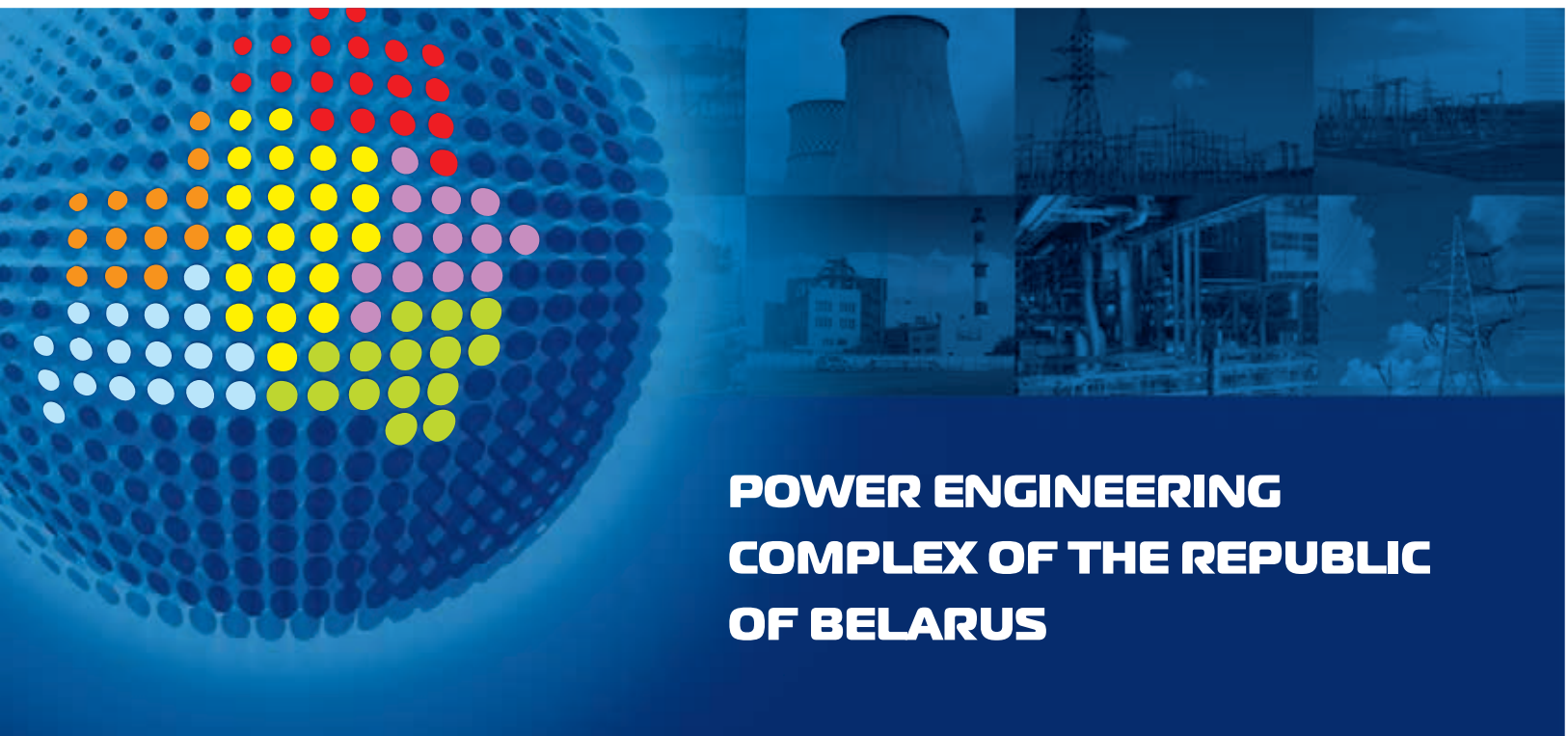


**POWER ENGINEERING
COMPLEX OF THE REPUBLIC
OF BELARUS**

**DISCOVERING
NEW HORIZONS
OF COOPERATION**

MINISTRY OF ENERGY OF THE REPUBLIC OF BELARUS



**POWER ENGINEERING
COMPLEX OF THE REPUBLIC
OF BELARUS**

**DISCOVERING
NEW HORIZONS
OF COOPERATION**

Minsk
2014

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Dear Colleagues and Partners,

The recent years were significant for the Belarusian energy industry. They were marked by the beginning of large-scale structural transformations, being strategic in terms of their nature. The essence of reforms as described in the Draft Concept Law of the Republic of Belarus “On the Electric Power Industry” is to separate the monopolistic and competitive types of activities and to form the market of electric energy. These transformations will facilitate the development of the Belarusian electric power industry in line with current trends, its integration into the Common Economic Space, and will contribute to the improvement of conditions for investments in the energy industry.

Now, the energy industry grows rapidly. During the recent three years, the highly-effective generating facilities with the total capacity of 785 MW were commissioned; in 2014, the capacity of facilities planned for commissioning is about 1000 MW. These considerable steps in renewal of basic electric power assets in Belarus became possible, inter alia, due to attraction of foreign investments.

The foreign investors took part in implementation of the projects for reconstruction of Minsk CHP-5 and Minsk CHP-2 combined heat and power plants, Beryozovskaya State district Power Plant (Power-generating unit No.5), Grodno CHP-2, Grodno hydroelectric power plant at the river Nyoman, mini-CHPs using locally-available fuels in Pruzhany and Rechitsa towns etc. Also, foreign investments are attracted for construction of Polotsk hydroelectric power plant, construction of CCGT units (400 MW) at Beryozovskaya SDPP and Lukomlskaya SDPP, construction and reconstruction of substations and power transmission lines (330/110 kV), construction of Belarusian NPP and power delivery facilities for the NPP. Our partners in implementation of investment projects are the companies from Russia, China, the Czech Republic, India, Austria and other countries.

We are open for mutually beneficial cooperation, and we think that many promising projects in construction of hydroelectric power station, energy sources utilizing locally-available fuels, biogas facilities and other energy industry facilities covered by the governmental programs may be attractive for our foreign partners.

Our country has a regulatory legal base which guarantees equal rights for national and foreign investors, irrespective of their pattern of ownership, and providing the conditions for protection of investors' rights in Belarus. The maturity of current Belarusian investment legislation is highly appreciated by international financial organizations and private investors.

Investments in the Belarusian energy industry are profitable because the attractiveness for investors means not only favorable conditions in terms of taxation and trade but also stability, experienced and disciplined workforce, competitive environment for further development of business. The combination of these factors provides unique opportunities for investments in the Belarusian energy industry.

I'm positive that this booklet, The Power Engineering Complex of the Republic of Belarus: Discovering New Horizons of Cooperation, will be a useful source of information for your business and will contribute into our mutually beneficial cooperation.



The Minister of Energy
of the Republic of Belarus

V. Potupchik



Ministry of Energy of the Republic of Belarus

POWER ENGINEERING COMPLEX OF THE REPUBLIC OF BELARUS

The energy industry is among the key industries in the national economy of the Republic of Belarus. Its development is prescribed by the strategy of social and economic development of the country and by several programs ensuring successful achievement of the set priorities, with governmental support and guarantees.

The Ministry of Energy of the Republic of Belarus (the MoE) is the governmental authority that takes part in development and implementation of the national energy policy.

The MoE basic tasks include implementation of scientific technical, economic and social activities intended to provide conditions for effective operation of energy industry facilities in order to satisfy the needs of the national economy and population for electric and thermal energy, natural and liquefied gas, solid fuels, and to use these resources effectively and safely.

The Ministry's central office includes the Nuclear Power Industry Department (acting as a legal entity), Chief Directorates, Directorates, Departments, and Sectors. As of January 1, 2014, 78 organizations, employing about 90,000 people, are subordinated to the MoE.

For reference:

In 2010, the transit of Russian electric energy through the Belarusian electrical networks was 4.2 billion kW-hours; in 2011 – 2.8 billion kW-hours; in 2012, 1.9 billion kW-hours; and in 2013, 1.97 billion kW-hours.

International electric energy links of the Belarusian Unified Energy System.



The three main industrial organizations directly subordinated to the MoE of Belarus are the State Production Association of Electric Power Industry (Belenergo SPA), the State Production Association for Fuel and Gas Supply (Beltopgas SPA) and the Belarusian Nuclear Power Plant Republican Unitary Enterprise, covering the areas of activities within the fuel and energy industry in Belarus.

At present, fuel and energy consumption in the Republic of Belarus is about 44 million tons of coal equivalent. About 13% of this consumption is covered by own energy resources, 87% are imported, predominantly from the Russian Federation. The Russian Federation is the major supplier of energy resources, providing 90% of the total import of the fuel and energy resources.

Natural gas covers more than 90% of thermal and electric energy generation, and 80% of the total consumption of fuel for boilers and furnaces. To diversify the fuel and energy budget, the construction of the Belarusian NPP (2340 MW) has been initiated, local fuel and energy resources are used, and efforts are made to develop the renewable energy industry.

Currently, the energy industry key tasks are as follows:

- to diversify the fuel and energy resources in terms of their types and suppliers;
- to modernize the fixed assets in the national fuel and energy complex in Belarus in order to keep these assets at an adequate level;
- to implement energy-effective technologies;
- to make as far as possible and reasonable in economic terms the use of locally-available types of fuel and renewable energy sources in the fuel and energy budget.

ELECTRIC POWER INDUSTRY

The State Production Association of Electric Power Industry (Belenergo SPA) provides generation, transmission and distribution of electric and thermal energy. The current installed capacity of the electric power plants in Belarus is more than 9000 MW, completely covering the country's needs for electric energy (in 2013, 37.7 billion kW-hours).

Due to economic reasonability, the electric energy for the Belarusian Energy System is imported from the Russian Federation and Ukraine; in 2013, the need for import was 6.7 billion kW-hours. It is expected that, with the new energy effective generating facilities commissioned, the electric energy import can be reduced.

The Republic of Belarus exports the electric energy to the Baltic States within the scope of contracts being in force, predominantly to implement the emergency capacity reserve in accordance with the regulations. In 2013, the amount of export was 346 million kW-hours.

The Belarusian Energy System has an extensive backbone network of power transmission lines, more than 7000 km, including overhead interconnection lines linking the Belarusian Energy System with the systems in Russia (three overhead lines, 330 kV, and one overhead line, 750 kV), Ukraine (two overhead lines, 330 kV), Poland (one overhead line, 220 kV, and one overhead line, 110 kV), Lithuania (five overhead lines, 330 kV).

Working in parallel, and taking into consideration the configuration of electrical networks, the networks of the Belarusian Energy System is used for transit transmission of the Russian electric energy to Bryansk region, Pskov region and Kaliningrad region of the Russian Federation, and to Lithuania.





Ministry of Energy of the Republic of Belarus

The amount of investments planned for the Belarusian Energy System in the current five-year period is about 5 billion USD, almost two times more than in the previous five years. This will make it possible to improve the effectiveness of the Belarusian electric power industry. This

goal is important to be achieved for the purposes of security of the Republic of Belarus in terms of energy and for making the Belarusian products more competitive in international markets.



The major stage of modernization in electric power industry is expected to be completed by 2020. In accordance with the forecast, by the end of 2020, the capacity of the Belarusian Energy System will be 11000 MW, and the electric energy consumption will be 41 billion kW-hours, in line with the planned rates of development of the Belarusian economy.

The Ministry of Energy actively works in improving the regulatory legal base in all areas of electric and thermal power industry: the Draft Concept Law of the Republic of Belarus "On the Electric Power Industry" has been prepared, the final stage is in progress in preparation of legislative acts that



will regulate the procedures for connection of legal entities and individual entrepreneurs to the electric power supply systems, and plans exist to prepare the heat supply rules and to improve tariffing.

These measures are intended to implement the treaties, to harmonize legislations within the Union State, the Common Economic Space and the CIS, and to improve the positions of Belarus in international economic ratings.

The strategic tasks implemented in 2011-2013 are as follows:

- reliable and uninterrupted delivery of natural and liquefied gas, peat fuel, electrical and thermal energy were provided for customers in Belarus in accordance with the required amounts;
- the specific fuel consumption was reduced from 268.9 grams of coal equivalent per kW-hour to 256.1 grams of coal equivalent per kW-hour, for electric energy supply, and from 168.05 grams of coal equivalent per kW-hour to 167.57 grams of coal equivalent per kW-hour, for thermal energy supply;
- the thresholds of the energy security indices were improved, and the energy system operation was made much more reliable (the rate of failures in operation of basic equipment was reduced more than by half, the rate of emergency trips of power transmission lines was reduced by 60%, and the average line repair time was reduced more than 1.5 times);
- the newly-designed highly-effective generating facilities with the total capacity of 785 MW were commissioned, resulting in saving about 1.1 million tons of coal equivalent;
- time-of-use electric power tariffs for households were introduced.

The electric power industry in the Republic of Belarus: several parameters

Parameter	Unit of measurement	2013
Electric power generation	billion kW-hours	31.3
Electric power import	billion kW-hours	6.7
Electric power export	billion kW-hours	0.3
Electric power consumption	billion kW-hours	37.7
Specific consumption for electric power generation	grams of coal equivalent per kW-hour	256.1

NUCLEAR POWER INDUSTRY

The state policy in the nuclear power industry development is implemented by the Department for Nuclear Power Industry of the Ministry of Energy of the Republic of Belarus. The Belarusian Nuclear Power Plant Republican Unitary Enterprise acts as a construction customer and as an operator for the purposes of the Belarusian NPP commissioning, operation, derating, service life extension and decommissioning.

Within the scope of implementation of the Belarusian NPP construction project, in 2013 the preconstruction works were completed (such as housing construction, construction of utilities for housing, for transportation and for the NPP operation, preparation of a foundation pit for major buildings and structures comprising the power-generating unit No.1 etc.). The regulatory legal base necessary to launch the NPP construction was prepared. The license was issued for the first power-generating unit construction, and this construction work was launched.

In accordance with the General Contract for the Belarusian NPP construction, the first power-generating unit shall be commissioned in November 2018, and the second, in July 2020.

The launch of the Belarusian NPP will bring the following benefits:

- the energy security of the Republic of Belarus will be significantly improved, due to diversification in terms of fuel types;
- more than 5 billion m³ of imported natural gas will be replaced annually;
- electric energy generation cost in Belarus will drop, as well as the growth rate of tariffs for energy delivery to the customers, contributing to the improvement of economic security of Belarus;
- obsolete and ineffective generating facilities will be decommissioned;
- release of greenhouse gases will be reduced by 7–10 million tons annually.



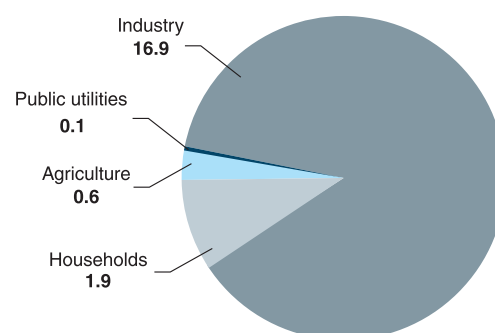
Also, the NPP construction in Belarus is a dramatically new intellectual and technological impetus for the country's development, and the additional provision for strengthening the energy independence and economic self-reliance of Belarus.

PEAT INDUSTRY AND GAS USAGE

The State Production Association for Fuel and Gas Supply (Beltopgas SPA) provides uninterrupted gas delivery to the population, peat extraction and processing, related construction and scientific activities.

Belarus is among the leading countries in terms of gas usage. Gas supply is now provided in every of 118 district center cities in Belarus. Natural gas is available in 99% of cities (except for Disna, Vitebsk Region), 96% of urban-type settlements and 11% of rural settlements. The length of the natural gas supply networks in Belarus is more than 50,600 km, natural gas is available in 2.7 million flats, liquefied gas, in more than 1.1 million flats. In 2013, the total increment of length of natural gas pipelines was 2561.1 km. The volume of the investments received from various sources and committed into the fixed capital from various sources was 130.5% of the planned amount, with the attracted direct investments surpassing the planned amount by 5.5 million USD.

Natural gas delivery to the consumers in Belarus (billion m³)





Ministry of Energy of the Republic of Belarus

There are about 500 gas filling stations for motor vehicles in Belarus. Also, Beltopgas SPA operates the network of service workshops that convert motor vehicles to gas fuels and provide maintenance for gas equipment of motor vehicles. Novogrudok gas equipment plant makes the equipment for conversion of motor vehicles to LPG; this equipment, in terms of technical parameters, is not worse than the similar equipment made abroad.

The State Program "Peat" for 2008-2010, covering the period until 2020, is currently under implementation in Belarus. This program regulates the activities in peat extraction and processing. Peat is among the small range of energy resources available in Belarus in commercial amounts. At present, by the amount of peat extraction, Belarus ranks the third in the world, after Finland and Ireland.

Belarus has about 9,000 peat deposits; their total area is 2.4 million hectares. The estimated peat reserves are about 4 billion tons, with 800 million tons available for use as a fuel. The

area of deposits allocated for peat industry enterprises in Belarus is 17,400 hectares, i.e. less than 0.8% of their total area. In recent years, annual peat extraction in Belarus varied from 2.5 to 3.2 million tons. In accordance with the existing short-term and long-term plans, peat extraction amount will remain about 2.5 million tons a year. With these amounts of extraction, the reserves of this energy resource are expected to be sufficient for 250 years.

The main products made of peat are fuel briquettes commercially used in the energy industry and for public utilities. Now, the capacities and technologies available at peat industry enterprises subordinated to the MoE are sufficient to produce 1,400 thousand tons of peat briquettes annually.

Peat extraction and processing in Belarus is 100% mechanized. The equipment used at the Belarusian peat processing enterprises is almost completely made in Belarus. Export of this equipment to Russia and Ukraine has been launched.

ENERGY MACHINERY INDUSTRY

Development of domestic energy machinery industry facilities is among the goals of the energy policy of the Republic of Belarus.

At present, various electrical engineering products are made in Belarus, such as regenerative air preheaters, steam boilers, accessories for filter replacement and installation, charcoal adsorbers and transformers of various types, poles made of reinforced concrete, metal structures for power transmission lines (0.4-10 kV) and substations. Also, a wide range of domestically-designed equipment for gas supply facilities is made, such as:

- process equipment for LPG gas-filling stations for motor vehicles;
- equipment and devices for construction of gas pipelines made of polyethylene pipes;
- gas distribution plants and ready-to-operate units, including cabinet-type and volumetric block-type gas distribution plants (both standard and tailored);
- protective and diagnostic equipment for pipelines;
- gas meters;
- shutoff and reducing equipment etc.

The Ministry of Energy of the Republic of Belarus seeks cooperation with foreign investors in the energy machinery industry. Implementation of joint projects in this area is a benefit of the integration making the products competitive in international markets.

ENVIRONMENT FOR INVESTMENTS IN THE REPUBLIC OF BELARUS

The basic document specifying the general conditions for investment activities in the Republic of Belarus is the Investment Code intended to promote the investment activities and to protect the investors' rights. Investors may, at their own discretion, carry out any activities arising from possession, use and disposal of the investment activity objects and results. In particular, they may dispose of any profit obtained as a result of investments; specifically, they may reinvest this profit in the territory of the Republic of Belarus or, after paying taxes and other mandatory fees, transfer it to other countries without any restrictions.

Since 2009, the procedure of "investment contracts with the Republic of Belarus" has been used successfully. After signing the investment contract, within the scope of implementation of the investment project, the investor and (or) the organization duly established in the Republic of Belarus by this investor or with this investor acting as a participating party, becomes entitled to several benefits and preferences set by Decree No.10 of the President of the Republic of Belarus dated August 6, 2009 "On creation of additional conditions for investment activities in the Republic of Belarus".

At present, in accordance with the existing Strategy for attracting direct foreign investments for the period until 2015, the primary form of direct foreign investments is the establishment of joint and foreign enterprises for implementation of green field investment projects. This will promote the use of new advanced technologies and equipment in manufacturing, implementation of know-hows in marketing and management, production of goods not available at the domestic market yet. Another important form of attracting foreign capital is the implementation of brown field investment projects, when the state-owned stocks (except for the strategically important stocks because of the state security reasons) are partially sold to foreign investors.

Appropriate normative legal acts have been adopted in order to attract investments into the energy industry in the Republic of Belarus; these acts provide for special measures intended to promote the inflow of direct foreign investments into the development of renewable energy sources.

In accordance with the Law of the Republic of Belarus dated December 27, 2010 "On Renewable Energy Sources", the Belarusian Energy System guarantees that:

- the electric energy produced from renewable energy sources will be purchased in full at promotional tariffs set at the level of the electric energy tariffs

for industrial consumers and consumers having the same status with the connected capacity not exceeding 750 kVA, with the multiplying coefficients set for various types of renewable energy sources. In accordance with the Decision of the Ministry of Economy of the Republic of Belarus, No.100 dated June 30, 2011 (with amendments), the following multiplying coefficients are set for energy purchase:

- energy produced from nonconventional and renewable energy sources (wind and water energy, biomass, biogas):
 - during the first ten years after commissioning: 1.3 (about 17.93 cents per kW-hour);
 - next ten years of the plant operation: 0.85 (about 11.72 cents per kW-hour);
- natural water flow energy:
 - during the first ten years after commissioning: 1.1 (about 14.3 cents per kW-hour);
 - next ten years of the plant operation: 0.85 (about 11.72 cents per kW-hour);
- solar energy:
 - during the first ten years after commissioning: 2.7 (about 35.0 cents per kW-hour);
 - next ten years of the plant operation: 0.85 (about 11.72 cents per kW-hour).
- renewable energy installations will be connected to the state-owned power grids by virtue of an energy purchase contract between the entity producing energy from renewable energy sources and the governmental energy supply agency. For this purpose, the governmental energy supply agency:
 - provides unobstructed and nondiscriminatory determination of the nearest point of state-owned power grids and guaranteed connection of renewable energy installations to this point in accordance with the procedure specified by the legislation;
 - bears the costs for modernization of state-owned power grids to provide technical conditions for connection of renewable energy installations to the nearest point of state-owned power grids;
 - provides reception of the complete offered amount of energy produced from renewable energy sources and delivered by the entities producing energy from renewable energy sources to the state-owned power grids, and provides payments for this energy.

It should be noted that the expenses for connecting renewable energy installation to the nearest point of the state-owned power grids will be borne by the entities producing energy from renewable energy sources.



Ministry of Energy of the Republic of Belarus

MAKING USE OF LOCALLY-AVAILABLE FUELS AND RENEWABLE ENERGY SOURCES

For the purpose of implementation of the Concept of Energy Security of the Republic of Belarus, approved by the Edict of the President of the Republic of Belarus dated September 17, 2007, No.433, the state programs listed below have been adopted with regard to energy saving and more intensive use of locally-available and renewable energy sources:

- the Republican Program of Energy Saving in 2011-2015 (the Decision of the Council of Ministers of the Republic of Belarus dated December 24, 2010, No.1882);
- the National Program of Development of Locally-available and Renewable Energy Sources in 2011-2015 (the Decision of the Council of Ministers of the Republic of Belarus dated May 10, 2011, No.586);
- the State Program of Construction of Energy Sources on the Basis of Locally-available Fuels in 2010-2015 (the Decision of the Council of Ministers of the Republic of Belarus dated July 19, 2010, No.1076);
- the State Program of Construction of Hydroelectric Power Plants in the Republic of Belarus in 2011-2015 (the Decision of the Council of Ministers of the Republic of Belarus dated December 17, 2010, No.1838);
- the Program of Construction of Energy Sources on the Basis of Biogas in 2010-2015 (the Decision of the Council of Ministers of the Republic of Belarus dated June 9, 2010, No.885).

In accordance with the Law of the Republic of Belarus dated December 27, 2010, No.204-Z, "On Renewable Energy Sources", the Ministry of Energy of the Republic of Belarus provides guaranteed connection of renewable energy installations to the state-owned power grids, and manages the governmental energy supply agencies to purchase the complete offered amount of energy produced from renewable energy sources and delivered by the entities producing energy from renewable energy sources to the state-owned power grids.

INVESTMENT PROJECTS FOR DEVELOPMENT OF RENEWABLE ENERGY SOURCES

From the point of view of direct foreign investments, the most promising areas for developing renewable energy in Belarus at present are hydroelectric power industry and wind power industry.

In accordance with the State Program of Construction of Hydroelectric Power Plants in the Republic of Belarus in 2011-2015, approved by the Decision of the Council of Ministers of the Republic of Belarus on December 17, 2010, No.1838, 33 hydroelectric power plants, with the total capacity of 102.1 MW, are planned to be constructed or reconstructed.

The Ministry of Energy of the Republic of Belarus invites the potential foreign investors to implement the investment projects of Belenergo SPA in hydroelectric power industry, subject to the direct investment conditions:

- construction of Nemново HPP, 20 MW;
- construction of Orsha HPP, 5.65 MW;
- construction of Shklov HPP, 4.9 MW;
- construction of Mogilev HPP, 5.1 MW;
- construction of Beshenkovichi HPP, 33 MW;
- construction of Verkhnedvinsk HPP, 13 MW.

In accordance with the National Program of Development of Locally-available and Renewable Energy Sources in 2011-2015, approved by the Decision of the Council of Ministers of the Republic of Belarus on May 10, 2011, No.586, 1840 sites suitable for installation of wind turbines were found in Belarus; their calculated capacity is 1600 MW, and calculated annual electric energy production is 2.4 billion kW-hours.

In wind power industry, the Ministry of Energy seeks to implement the projects for construction of wind farms at the following promising sites:

- the wind farm in Liozno district, 50 MW;
- the wind farm in Oshmyany district, 25 MW;
- the wind farm in Novogrudok district, 25 MW;
- the wind farm in Smorgon district, 15 MW.

Nuclear Energy Department of the Ministry of Energy of the Republic of Belarus

14 K. Marx St., 220030 Minsk,
Telephone: (+375 17) 218-29-67
(+375 17) 218-25-62



Stanislav Chernousov

Director

Nuclear Energy Department of the Ministry of Energy of the Republic of Belarus was founded in September 2008 with a view of realization of the state policy in the field of nuclear power development in Belarus, securing safe location, design, construction, commissioning, operation and decommissioning of a nuclear power station as provided by law.

In accordance with the tasks assigned to it, the Department:

- elaborates programs in the field of nuclear power development, exercises control over their implementation;
- gives guidance for all aspects of nuclear power engineering creation and functioning; implements policy in science and technology;



- organizes the development of normative legal documents in the field of nuclear power engineering;
- in accordance with the established procedure, cooperates with the Republican state authorities, local executive and administrative authorities and

other organizations with regard to the matters within the scope of competence of the Department;

- takes part in preparation of programs and plans of R&D activities in the nuclear power;
- analyses the experience of application of legislation in nuclear energy use and submits proposals for its improvement to the Ministry of Energy;
- provides methodological guidance in nuclear power industry development matters;
- arranges scientific research activities in the nuclear power industry;
- arranges the activities intended to study, analyze and implement the international experience in the nuclear power development;
- cooperates, within the scope of its powers, with the state authorities and international organizations, including IAEA, represents the interests of the Ministry of Energy in these authorities and organizations and prepares, in accordance with the established procedure, the conclusion of international interdepartmental agreements for signing;
- performs other functions, connected with the realization of the state policy in the sphere of nuclear power engineering.





BELARUSIAN NUCLEAR POWER PLANT

Republican Unitary Enterprise

In accordance with the Edict of the President of the Republic of Belarus dated November 12, 2007, No.565, "On Some Measures for Construction of the Nuclear Power Plant", the Nuclear Power Plant Construction Directorate State Institution was established.

In accordance with the Edict of the President of the Republic of Belarus dated December 30, 2013, No.583, "On Reorganization of the Nuclear Power Plant Construction Directorate State Institution", the institution was reorganized into the Belarusian Nuclear Power Plant Republican Unitary Enterprise (Belarusian NPP State Enterprise).

The enterprise acts as a construction customer and as an operator for the purposes of the Belarusian NPP commissioning, operation, derating, service life extension and decommissioning.



Mikhail Filimonov

Director General



The decision to build own nuclear power plant in Belarus was made on January 15, 2008, at the meeting of the Security Council of the Republic of Belarus. The Decision of the Security Council No.1 "On Development of the Nuclear Power Industry in the Republic of Belarus" was signed on January 31, 2008. In accordance with the decision, the nuclear power plant will be built in Belarus. The NPP nameplate capacity will be 2400 MW; the Power-generating Unit 1 will be commissioned in 2018, the Power-generating Unit 2, in 2020.

NPP projects, designed by leading companies at the international market of nuclear technologies, were comprehensively considered. As a result, the Russian project, AES-2006 (NPP-2006), was chosen for implementation in the Republic of Belarus. This is Generation 3+ project which meets the strictest IAEA norms and recommendations and has higher safety characteristics.

On July 18, 2012, in accordance with the results of the meeting of the Council of Ministers of the Union State of the Russian Federation and the Republic of Belarus, the General Contract for the Belarusian NPP construction was signed; the signing ceremony was attended by the Prime Ministers, Mikhail Myasnikov and Dmitry Medvedev.

On August 9, 2012, the time capsule (with the letter to future generations) was placed at the Belarusian NPP construction site; Alexander Lukashenko, the President of the Republic of Belarus, took part in the ceremony. This was the symbolic start of the construction of the first Belarusian nuclear power plant.

On November 6, 2013, the concrete pouring for the foundation of building and structures of the Power-generating Unit 1 was launched: the "first concrete" was poured. This was the beginning of the principal stage of work for construction of the Belarusian NPP.

The Belarusian NPP project: Specifications

Design service life	60 years
Nameplate capacity of power-generating units	2 x 1170 MW
Capacity factor	90 %
Core meltdown probability (power operation)	5.940×10^{-7} year ⁻¹
Annual power delivery (for two power-generating units)	17.74 billion kW-hours
Project payback period	18.5 years

Ostrovets, 231201 Grodno Region,
NPP construction site
Telephone / fax: (+375 1591) 7-03-38, 7-03-42
e-mail: dsae@tut.by
www.dsae.by

UNP 190919639

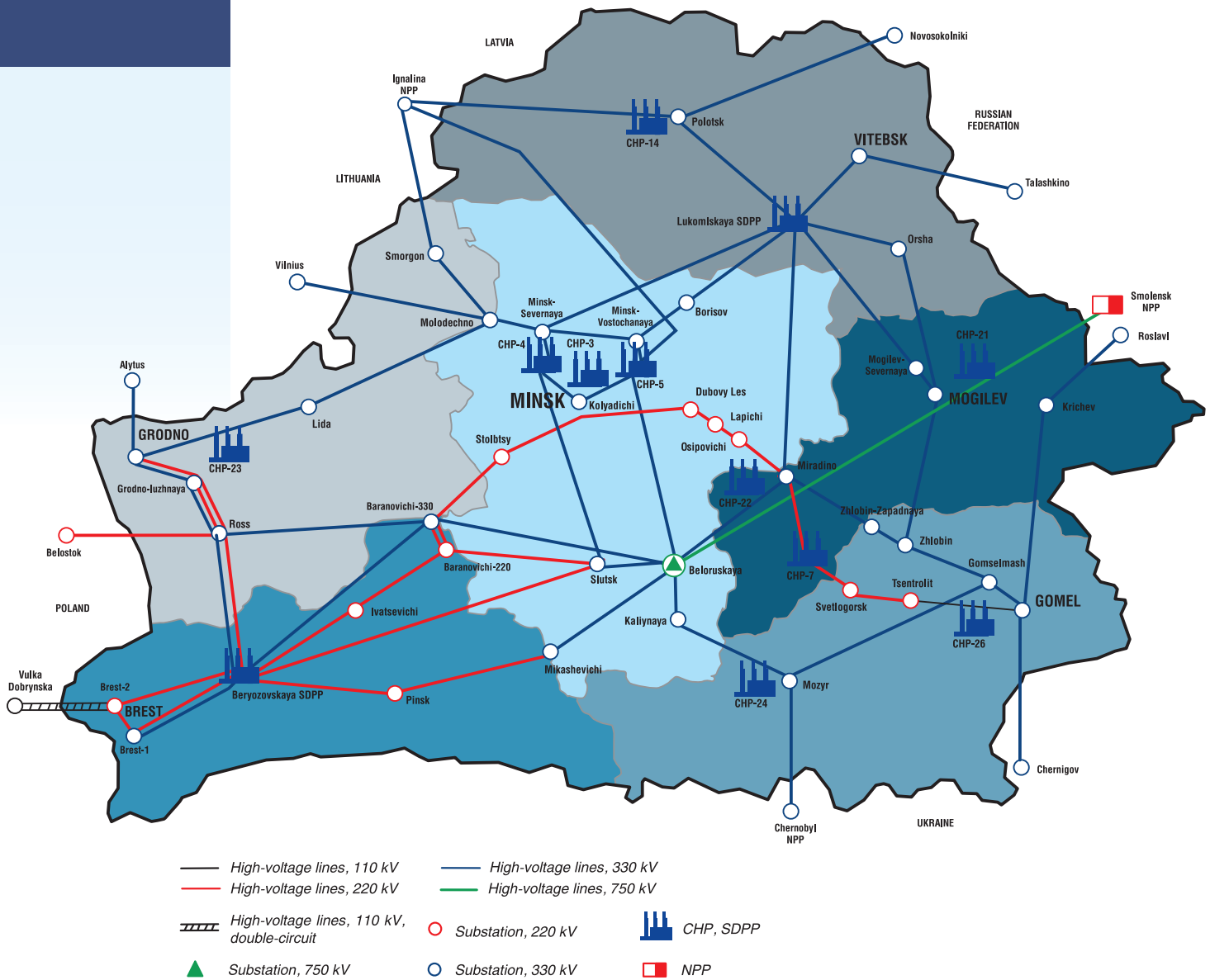


ENERGY SUPPLY AGENCIES



14 K. Marx St., 220030 Minsk
 Telephone (+375 17) 218-23-59 Fax: (+375 17) 218-26-39
 e-mail: belenergo@bel.energo.by www.energo.by

BELARUSIAN ENERGY SYSTEM: PRINCIPAL GRID



BELENERGO

The State Production Association of Electric Power Industry (Belenergo SPA) manages the economic activities of the electric power industry complex in the Republic of Belarus.

Belenergo SPA comprises six Republican unitary enterprises of electric power industry, three design institutes, construction and installation organizations, industrial infrastructure organizations, repair and maintenance enterprises. In total, the Belarusian Energy System employs more than 63000 people.

Energy sources operated by Belenergo SPA cover more than 95% of the electric energy needs and more than 50% of the thermal energy needs in Belarus.

The total installed capacity of the thermal power plants is 8488.4 MW. The energy system also includes 23 small hydroelectric power stations (the total installed capacity is 26.3 MW), one wind power plant (1.5 MW) and isolated generating plants at industrial enterprises (the total installed capacity is 636.0 MW).



Yevgeny Voronov

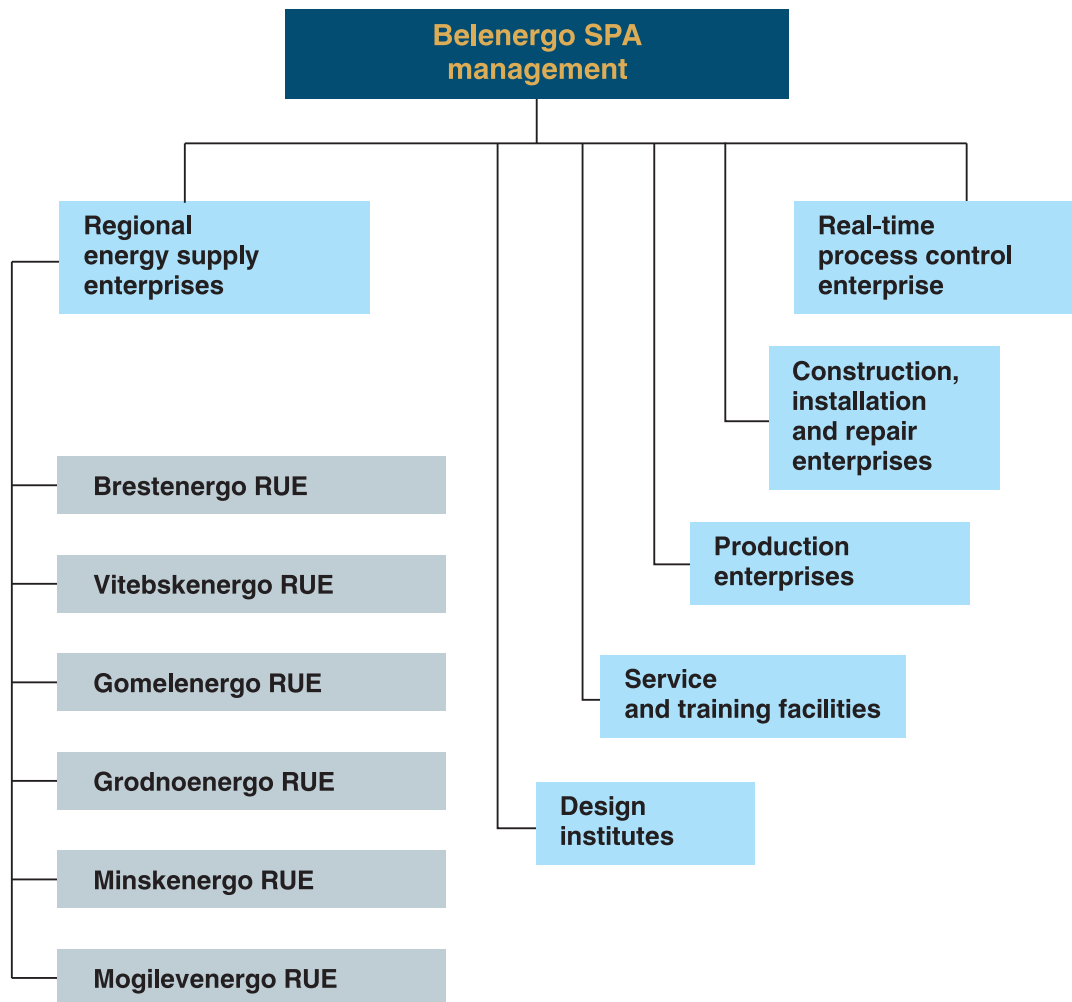
Director General

Principal activities of Belenergo SPA:

- Belarusian Energy System management;
- generation, transmission and distribution of electric and thermal energy;
- maintaining appropriate condition of power plants, electrical networks and heat networks;
- real-time dispatching control for the electric energy generation and delivery process;
- technical supervision over the condition of the electric power plants and network facilities within the Belarusian Energy System;
- arrangement of activities for the balanced development of the energy system (such as energy demand forecasting, investments, energy facilities construction).



MANAGEMENT STRUCTURE



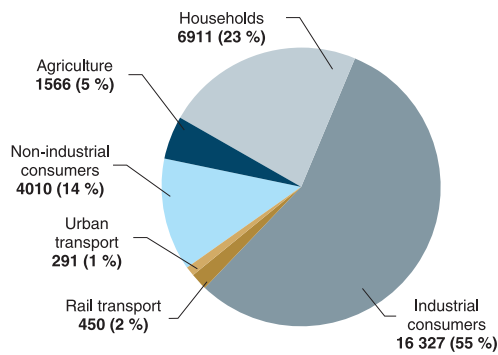
BELENERGO

Belarusian Energy System: key indicators

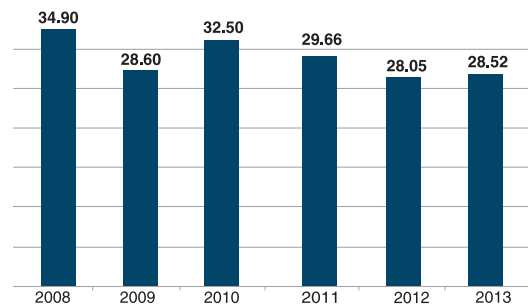
Installed capacity: **9152.2 MW**
 Electric energy generated by Belenergo SPA sources: **28.515 billion kW-hours**
 Thermal energy supply: **35.989 million Gcal**
 Electric energy import: **6.716 billion kW-hours**
 Electric energy generated by isolated generating plants: **2.809 billion kW-hours**
 Electric energy export: **0.346 billion kW-hours**
 Electric energy consumption in Belarus: **37.694 billion kW-hours**

Power transmission lines length
 Total: **239,060 km**
 Overhead lines, 35–750 kV: **35,660 km**
 Overhead lines, 0.4–1 kV: **203,400 km**
 Cable lines: **34,750 km**
 Heat networks: **5,840 km**

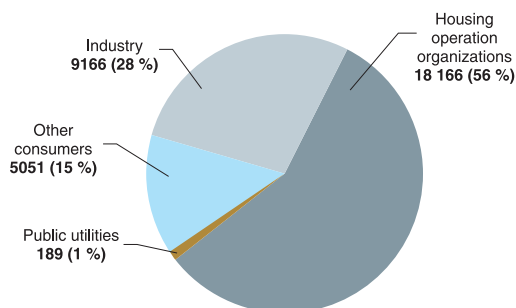
Electric energy consumption in 2013,
million kW-hours (%)



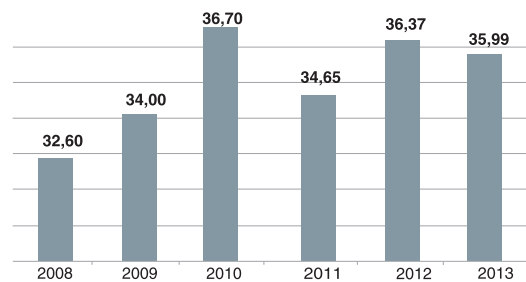
Electric energy generation by Belenergo SPA energy sources, billion kW-hours



Thermal energy consumption in 2013,
thousand Gcal (%)



Thermal energy supply by Belenergo SPA,
million Gcal





During the current five-year plan period, the Belarusian Energy System development is implemented in accordance with the State Program of Development of the Belarusian Energy System for the period until 2016 and for subsequent years, approved by the Government in February 2012 and updated in 2013. The activities listed in this Program are coordinated with the plans of development and modes of operation of energy sources in all industries. Also, the Program covers the need to create the standby capacity intended to control the energy system operation modes after the NPP commissioning.



Great steps for modernization of the Belarusian Energy System were made within the scope of the State Program implementation in 2011–2012.



In cooperation with the partners from China, such investment projects were implemented as: Minsk CHP-2 reconstruction and the construction of the industrial wind power plant, the first such facility in the Republic of Belarus, 1.5 MW, in Grabniki settlement. Also, Rechitsa mini-CHP was commissioned. The new turbine installation (40 MW) began to generate electric energy at Vitebsk CHP.



In 2012, the CCGT unit, the largest in Belarus (399.6 MW), was commissioned at Minsk CHP-5; the commissioning ceremony was attended by the President of Belarus. The CCGT unit was completely built (on turnkey basis) by the Chinese National Corporation for Overseas Economic Cooperation, using the loans provided by the State Development Bank of China.



In 2012, Grodno HPP was commissioned, which is the largest hydroelectric power station in Belarus, with the installed capacity of 17 MW. The largest-ever project in the Belarusian hydroelectric power industry was launched – the chain of hydroelectric power stations on the Western Dvina River, with the total capacity of more than 100 MW. Construction of Vitebsk HPP and Polotsk HPP was launched.



BELENERGO

In recent years, the Belarusian Energy System made significant progress; as a result, depreciation of the fixed assets was reduced to 41.1%, as of the end of 2013.

In 2013 and in 2014 (Q1), highly-effective generating facilities with the total capacity of 644.0 MW were commissioned by Belenergo SPA, including:

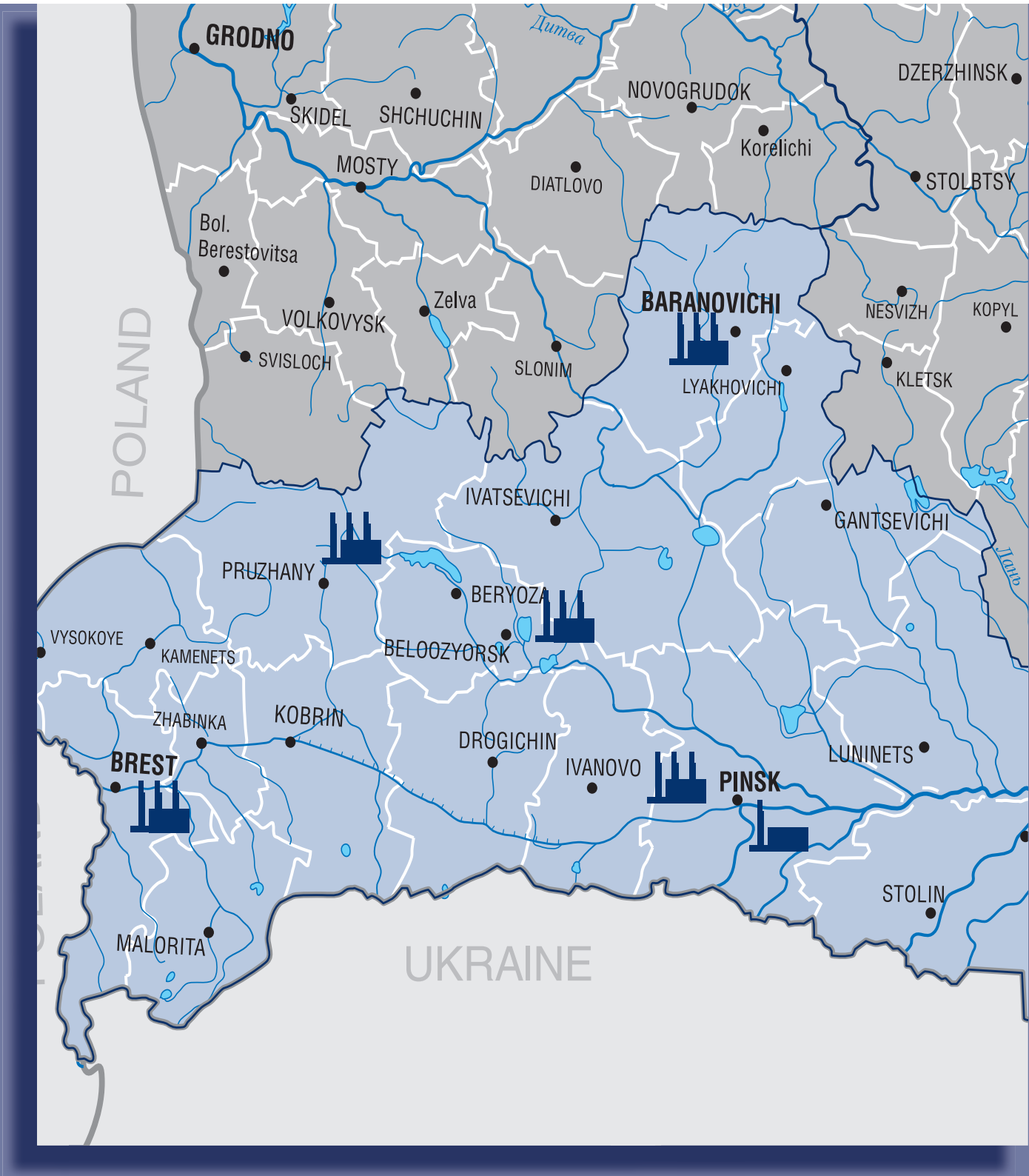
- the gas turbine unit at Grodno CHP-2, 121.7 MW;
- the CCGT unit at the district boiler plant in Mogilev, 19.5 MW;
- the steam turbine unit at Bobruisk CHP-2, 2.6 MW;
- the steam turbine unit at Mozyr CHP, 70 MW;
- Baran' mini-CHP, using locally-available fuels, with the electrical capacity of 3.25 MW, the thermal capacity of 17.2 MW;
- the recovery steam turbine, 2.3 MW, at Mogilev CHP-2 (in 2014);
- construction and installation work has been completed at CCGT power-generating units, 427 MW, at Beryozovskaya SDPP and Lukomlskaya SDPP (in 2014).

Due to the projects implemented in 2013, the technology-related energy consumption for transmission in electrical networks was reduced from 11.25% in 2006 to 9.88% in 2013; in heat networks, from 9.91% to 9.36% respectively.

Implementation of measures within the scope of the State Program will result in saving more than 1.2 million tons of coal equivalent, with the specific fuel consumption for electric power generation reduced by 25–30 grams of coal equivalent per kW-hour (by 10%).



PRINCIPAL ENERGY SOURCES



CHP plants mini-CHP plants

Beryozovskaya SDPP
Baranovichi Heat Networks
Brest Heat Networks
Pinsk Heat Networks
Baranovichi Electrical Networks
Brest Electrical Networks
Pinsk Electrical Networks
Pruzhanj Electrical Networks
Energonadzor (Energy Inspection)
Beloozerskenergoremont
(Beloozersk Energy Facilities Repair Service)
Energotelecom
Personell Training Center “Energetik”
Health Center “Energiya”
Agroenergo Zelenevichi
(Zelenevichi agricultural enterprise)
Baranovichienergostroi (Baranovichi
Enterprise for Energy Industry Construction)

For 60 years Brestenergo RUE has been successfully providing services to the customers by generating and transmitting electric and thermal energy. The generating facilities and electrical networks are appropriate to deliver energy to each customer and to export it to foreign countries.

Brestenergo RUE is a sophisticated technical complex comprising power plants, boiler plants, electrical networks and heat networks, integrated in their operation modes and uninterrupted operation.

The enterprise comprises 6 power plants, 3 hydroelectric power plants, 4 large boiler plants, more than 5,000 km of electrical networks (35–330 kV), more than 33,000 km of distribution networks (0.4–10 kV), more than 500 km of heat networks.

Brestenergo RUE provides heat for about half a million people of six largest cities in Brest Region. The team-oriented and dynamically developing staff comprising more than 6000 employees has lots of ideas and plans, including construction of new high-tech energy industry facilities and modernization of existing ones.

High attention is paid to the problems of fuel saving, energy saving, use of locally-available fuels, nonconventional energy. Two energy sources have been built, Pinsk CHP and Pruzhanj CHP, making use of locally-available fuel (wood fuel and milled peat).

13/1 Vorovskogo St., 224030 Brest

Reception:

(+375 162) 27-13-59, 27-15-59

Fax: (+375 162) 21-84-90, 27-14-32

e-mail: box@brestenergo.by www.brestenergo.by



Sergey Leonovets

Director General

**Brestenergo RUE long-term
development priorities:**

- improvement of the country's energy security;
- reliable and proper energy supply to the population and the national economy;
- reduction of unit costs of generation, transmission and consumption of energy resources;
- making use of own energy resources, as far as reasonable;
- improvement of financial stability, efficiency of operation and development.



UNP 200050653

The strategic goal of energy saving activities for the period until 2015 is to save fuel by replacing obsolete and worn equipment:

- commissioning the generating facilities at Beryozovskaya SDPP (power-generating unit No.5 and the CCGT unit, 427 MW);
- decommissioning the power-generating units of stages No.1 and No.6 at Beryozovskaya SDPP;
- building a CHP in Luninets to use locally-available fuels;
- reducing losses in heat networks and electrical networks.

Technical and economic parameters in 2013

Parameter	Unit of measurement	Result
Electric energy generation	million kW-hours	1862.7
Electric energy consumption	million kW-hours	3854.3
Thermal energy delivery incl. steam	thousand Gcal	2659.1 1303.4
Specific consumption of coal equivalent: – for electric energy delivery – for thermal energy delivery	grams / kW-hour kg / Gcal	311.8 164.08
Losses in electrical networks	%	10.6
Losses in heat networks	%	9.46
Maximum electric energy consumption (18 December, 2013)	MW	603
Energy saving	tons of coal equivalent	63181

The most important areas of activities are: reconstruction of 110–330 kV substations (replacing obsolete equipment and equipment which has been in operation beyond its specified service life); construction of heat networks using pre-insulated pipelines; technical upgrade of energy metering equipment.

In distribution networks, 0.4–10 kV, insulated wires and new types of switching devices are widely applied. In cable networks, heat-shrinkable sleeves and cables with insulation made of cross-linked polyethylene are actively used.

By 2015, Brestenergo RUE plans to: build the high-voltage line Beryozovskaya SDPP – Ross’ 330 kV; expand the substation, 330 kV, in Baranovichi (III stage); replace boiler units at Brest CHP, stages No.1 and No.2; build and reconstruct several substations, 110 kV.

The plans until 2020 include building the overhead line Beryozovskaya SDPP – Pinsk – Mikashevichi 330 kV;



reconstructing Brest CHP (replacing turbine No.4); reconstructing Baranovichy CHP (replacing turbine No.3).

The principal stage of reconstruction is almost completed at the second largest (in terms of capacity) power plant in Belarus, Beryozovskaya SDPP. In December 2013, the PGU-427 CCGT unit, including all components of its equipment, was connected to the Belarusian Energy System for the first time.

The investment project "Construction of CCGT Unit, 400 MW, at Beryozovskaya SDPP", is in progress in accordance with the contract signed by Brestenergo RUE and China Machinery Engineering Corporation.

The final stage is in progress in modernization of unit No.5 at Beryozovskaya SDPP. The steam turbine and the generator used in this unit are the pilot items, i.e. the first in the series of similar equipment.

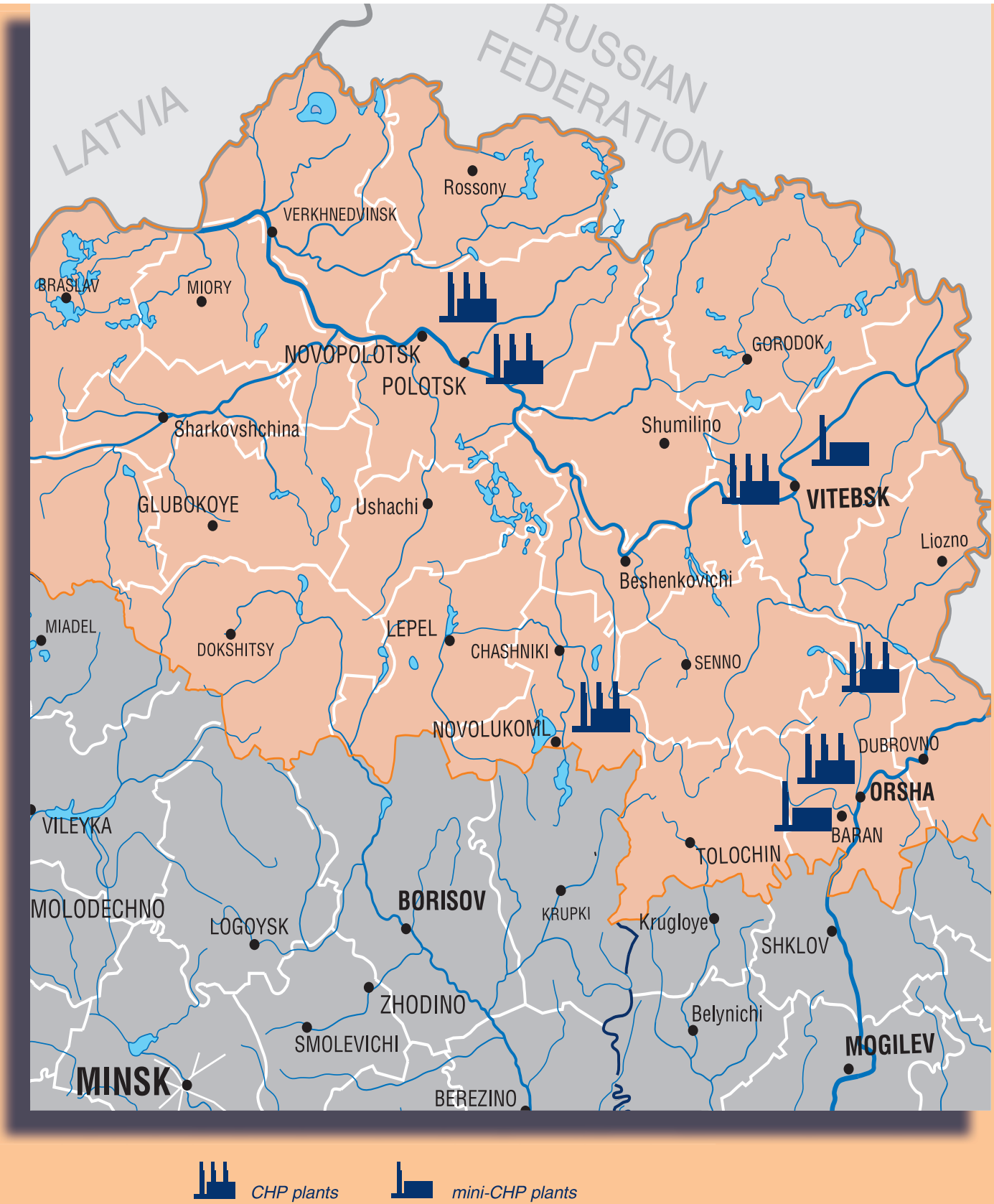
The principal works for installation and adjustment of the steam turbine equipment were carried out by the Belarusian organizations: Beloozerskenergoremont (the branch of Brestenergo RUE), Belenergoremnaladka JSC, Tsentrenergomontazh JSC, Elektrotsentrsmontazh JSC, Belenergostroi RUE, Belenergozashchita JSC.

Brestenergo RUE has all the necessary permissions (licenses) for various types of activities. The quality management system in compliance with the requirements of the International Standard STB ISO 9001, has been implemented in the branches of Brestenergo RUE.

The mission of Brestenergo RUE in its trade activities is: to work with each consumer; to provide reliable and proper supply of thermal and electric energy; to promote effective competition at the energy market in the Republic of Belarus.



PRINCIPAL ENERGY SOURCES



VITEBSKENERGO

Lukomlskaya SDPP
Belorusskaya SDPP
Novopolotsk CHP
Vitebsk CHP
Orsha CHP
Polotsk CHP
Vitebsk Heat Networks
Polotsk Electrical Networks
Orsha Electrical Networks
Glubokoye Electrical Networks
Vitebsk Electrical Networks
Energonadzor (Energy Inspection)
Energosbyt (Energy Sales)
Vitebskenergospetsremont
(Vitebsk Energy Facilities Repair Service)
Training Center
Agricultural division "Vesna-energo"
Agricultural division "Teplichny"
Physical training and health center

In January 1963, the regional electrical networks operation enterprise was reorganized into the District Directorate for Energy Industry and Electrification in Vitebsk region. With the development of energy industry and further mergers of electrical industry operators in the region, the range of functions and tasks of the District Directorate expanded. In 1989, with Lukomlskaya SDPP and Novopolotsk CHP integrated with it, the District Directorate for Energy Industry was reorganized into the Production Association of Energy Industry and Electrification, and, in 2000, into Vitebskenergo Republican Unitary Enterprise.



30 Pravdy St., 210029 Vitebsk
Telephone: (+375 212) 47-01-50
Fax: (+375 212) 47-30-75, 47-40-22
e-mail: energo@vitebsk.energo.by
www.vitebsk.energo.by



Pavel Kharitonov

Director General

Principal activities:

- generation, transmission and distribution of electric and thermal energy;
- maintaining appropriate condition of power plants, electrical networks and heat networks;
- real-time dispatching control of the electric energy generation and delivery processes;
- technical supervision over the condition of the electric power plants and network facilities within Vitebskenergo RUE;
- arrangement of activities for balanced development of the energy system in Vitebsk region;
- animal husbandry, crop production, peat extraction and peat briquette production.

UNP 300000252

Principal technical and economic parameters in 2013

Parameter	Unit of measurement	Result
Electric energy generation	thousand kW-hours	12,330,642
Electric energy delivery	thousand kW-hours	11,779,278
Thermal energy delivery from headers	Gcal	5,997,717
Specific consumption of coal equivalent: – for electric energy delivery – for thermal energy delivery	grams / kW-hour kg / Gcal	296.4 164.88
Auxiliary consumption for electric energy delivery	%	3.27
Auxiliary consumption for thermal energy delivery	kW-hour / Gcal	26.84
Process-related consumption at boiler plants	kW-hour / Gcal	20.674
Process-related electric energy consumption for transportation in electrical networks	%	3.72
Process-related thermal energy consumption for transportation in heat networks	%	6.16

Vitebskenergo RUE principal investment projects:

- construction of CCGT unit, 400 MW, at Lukomlskaya SDPP;
- construction of Polotsk HPP on the Western Dvina river;
- construction of Vitebsk HPP on the Western Dvina river.



VITEBSKENERGO

The installed capacity of the Vitebsk Energy System, the largest in the Republic of Belarus, is 3144.942 MW, which is more than 35% of the total capacity of the electric power plants operated by Belenergo SPA.

The energy system operates 6 electric power plants, two mini-CHPs, 7 small hydroelectric power plants (with the total capacity of 2.532 MW), more than 800 km of heat networks, more than 50,000 km of electrical networks for all voltage levels.

Annual generation of electric energy is 12–15 billion kW-hours, thermal energy delivery is 5–6 million Gcal. The system employs more than 10,000 people.

The leader of the Belarusian Energy System, Lukomlskaya SDPP, plays a primary role in providing energy to the customers in Vitebsk region. The CHP is completely integrated into the energy balance of Belarus. More than 70% of the energy generated by the plant is exported from Vitebsk region.

Two divisions of Vitebskenergo RUE are involved in peat processing: Belorusskaya SDPP, with Osintorf peat processing workshop, and Orsha CHP, with Usvizh-Buk peat processing workshop. The key products are milled fuel peat for burning as dust fuel, milled peat for compost making, lump peat, and agricultural soil “Urozhainy”.

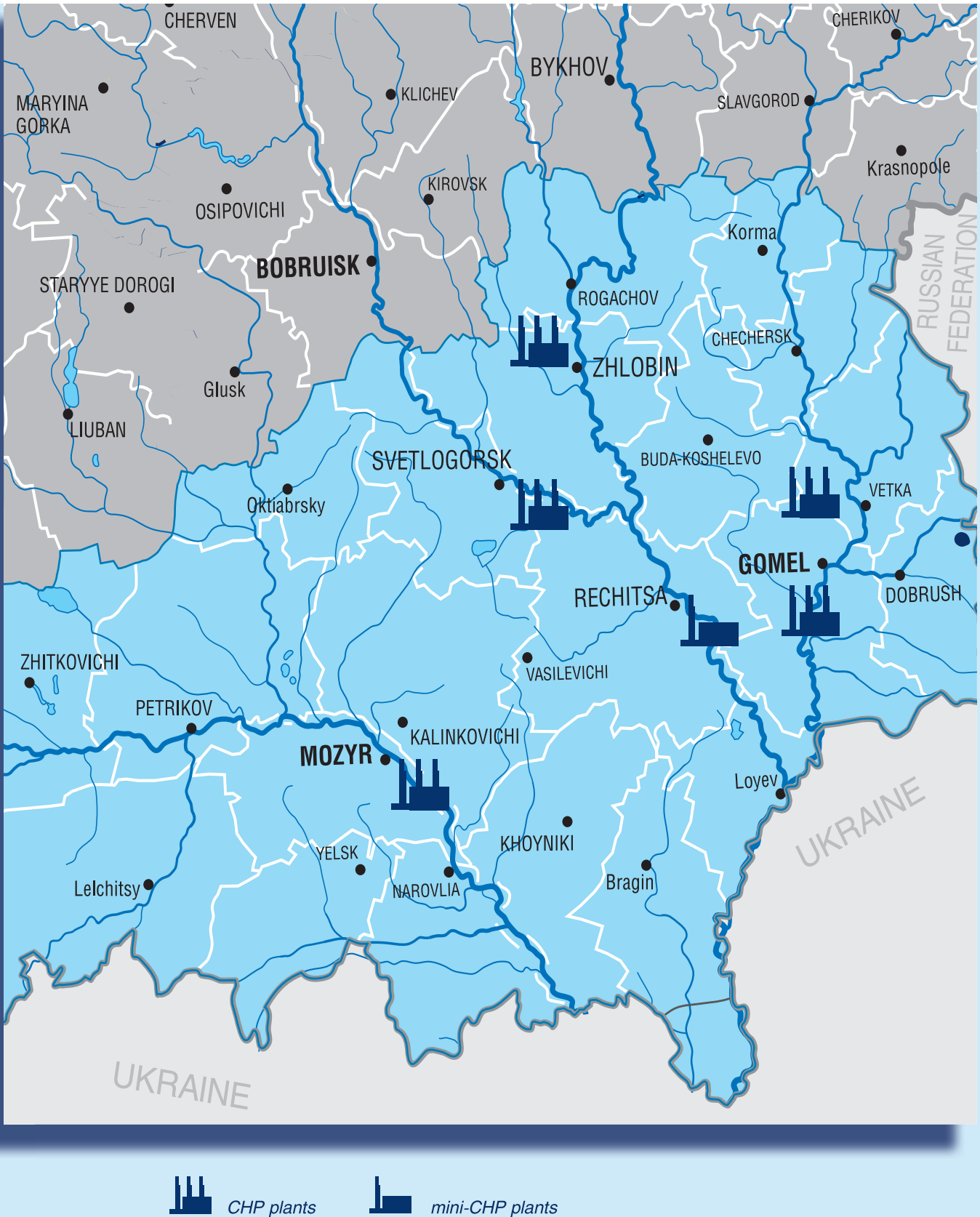
Vitebskenergo RUE also includes two agricultural divisions: Vesna-energo and Teplichny. Their principal business is vegetable production in greenhouses, as well as production of milk, grain and fodder.

Vitebskenergo RUE also operates two health and recreation complexes, Sosnovy Bor and Zheleznyaki, available not only for the energy system employees but for the general public.

In recent years, considerable work has been carried out by the energy industry personnel in Vitebsk region to modernize, upgrade and reconstruct the energy-generating facilities at the power plants in Vitebsk region, to construct new energy sources, to introduce up-to-date technologies in electric energy generation, electrical equipment, information technologies, automated control systems, microprocessor-based up-to-date relay-type protection systems, automatic equipment and remote control systems, and to make use of locally-available fuels and nonconventional energy sources.



PRINCIPAL ENERGY SOURCES



- Gomel CHP-2
- Svetlogorsk CHP
- Mozyr CHP
- Gomel Heat Networks
- Gomel Electrical Networks
- Zhlobin Electrical Networks
- Mozyr Electrical Networks
- Rechitsa Electrical Networks
- Energosbyt (Energy Sales)
- Energonadzor (Energy Inspection)
- Gomelenergospetsremont
(Gomel Energy Facilities Repair Service)
- Training Center
- Agricultural enterprise "Dubrava-agro"
- Lebedev Agricultural Company

Gomel region is a territory with a highly developed diversified industry, ever growing construction sector and agriculture. There are 300 large and medium-size enterprises in the region, comprising more than 20% of the Belarusian industrial output. As a result, the energy industry in the region faces serious requirements and difficult tasks. However, the Gomel Energy System managed to cope with these challenges throughout the time of the region development.

Gomelenergo RUE areas of activities include generation, transmission and distribution of electric and thermal energy, with related real-time dispatching process control; maintaining appropriate condition of power plants, electrical networks and heat networks; technical supervision over the condition of the electric power plants and network facilities operated by the enterprise; arrangement of activities for balanced development of the energy system in Gomel region.

9 Frunze St., 246001 Gomel
Telephone: (+375 232) 74-24-05 (reception room)
Fax: (+375 232) 74-11-91, 74-54-97
e-mail: gomelenergo@gomelenergo.by
www.gomelenergo.by

UNP 400069497



Alexander Petukh

Director General

Gomelenergo RUE characteristics (as of 01 January, 2014)

Installed capacity	
Electrical (MW)	930.418
Thermal (Gcal / hour)	4,111.78
Turbine units	17
Boiler units	54
of which: hot water boiler units	24
Heat networks (km)	771
Electrical network areas	25
Step-down substations, 35–330 kV	247
of which:	
330 kV	5
220 kV	2
110 kV	133
35 kV	107
High-voltage lines (km), 35–330 kV	6636
of which	
330 kV	815
220 kV	156
110 kV	3315
35 kV	2350
Transformer substations, 6–35/0.38 kV	11012
Distribution substations, 6–10 kV	107
Installed transformers, 6–10 kV	13522
Lines (km), 6–10 kV	18832
Lines (km), 0.38 kV	17381

Principal technical and economic parameters in 2013

Parameter	Unit of measurement	Result
Electric energy generation	thousand kW-hours	2,743,263
Electric energy delivery	thousand kW-hours	2,425,414
Thermal energy delivery from headers	Gcal	5,541,744
Specific consumption of coal equivalent:		
– for electric energy delivery	grams / kW-hour	195.6
– for thermal energy delivery	kg / Gcal	169.4
Auxiliary consumption for electric energy delivery	%	4.08
Auxiliary consumption for thermal energy delivery	kW-hour / Gcal	38.58
Electric energy consumption for process purposes	thousand kW-hours	52 292
Process-related electric energy consumption for transportation in electrical networks	%	7.25
Thermal energy consumption for process purposes	Gcal	7447
Process-related thermal energy consumption for transportation in heat networks	%	8.44

Gomelenergo RUE is an integrated sophisticated technical complex that includes power plants, boiler plants, transformer substations, electrical networks, heat networks, integrated in their operation modes and uninterrupted operation, and fully satisfying the needs of the regional population and economic entities in electric and thermal energy.

Modern equipment, information technologies, automated control systems are widely introduced in the regional energy system, and measures for energy saving are taken. The measures which are constantly taken to upgrade and replace obsolete and worn-out equipment allow the energy system of Gomel region to improve the structure of generation of thermal and electric energy and to reduce its production cost.

For example, due to the heat pipeline built from Mozyr CHP, the city of Mozyr is reliably provided with heat and hot water; also, fuel consumption per unit of the generated electric energy has been reduced.

For the purposes of fuel saving, loads related to thermal energy are reassigned from boiler plants operated by various entities to the CHPs operated by the Energy System in Gomel, Mozyr and Svetlogorsk.

Several facilities have been commissioned: the recovery turboexpander unit, 4 MW capacity, at Gomel SHP-2; three cogeneration gas reciprocating units, 26.19 MW total capacity, at Zhlobin boiler plant (as a result, it was reclassified as the CHP).



Modern technologies are widely applied in the electrical networks of the energy system. Insulated wires are used in 0.4–10 kV networks. In cities, cable lines with insulation made of cross-linked polyethylene are actively built. In distribution networks of 10Kv vacuum reclosers are widely used, which allows to control the networks automatically and, consequently, to provide a more reliable energy supply to the customers.

Microprocessor-based relay-type protection systems are successfully introduced.

At 330-kV substations, works are in progress to replace air circuit breakers (110 kV) by SF6 circuit breakers; as a result, operating costs have been significantly reduced. To improve reliability, breaker isolating switches at 110 kV substations and oil circuit breakers upon expiry are replaced by SF6 equipment.

In recent years, several new 110 kV substations have been built (Lebedevka, Svetoch, Mozyr-Yuzhnaya), and several substations have been reconstructed (Novobelitsa, Metizny, Zadrute). Due to these activities, the operating expenses have significantly decreased, and electric energy supply to the customers has become more reliable.

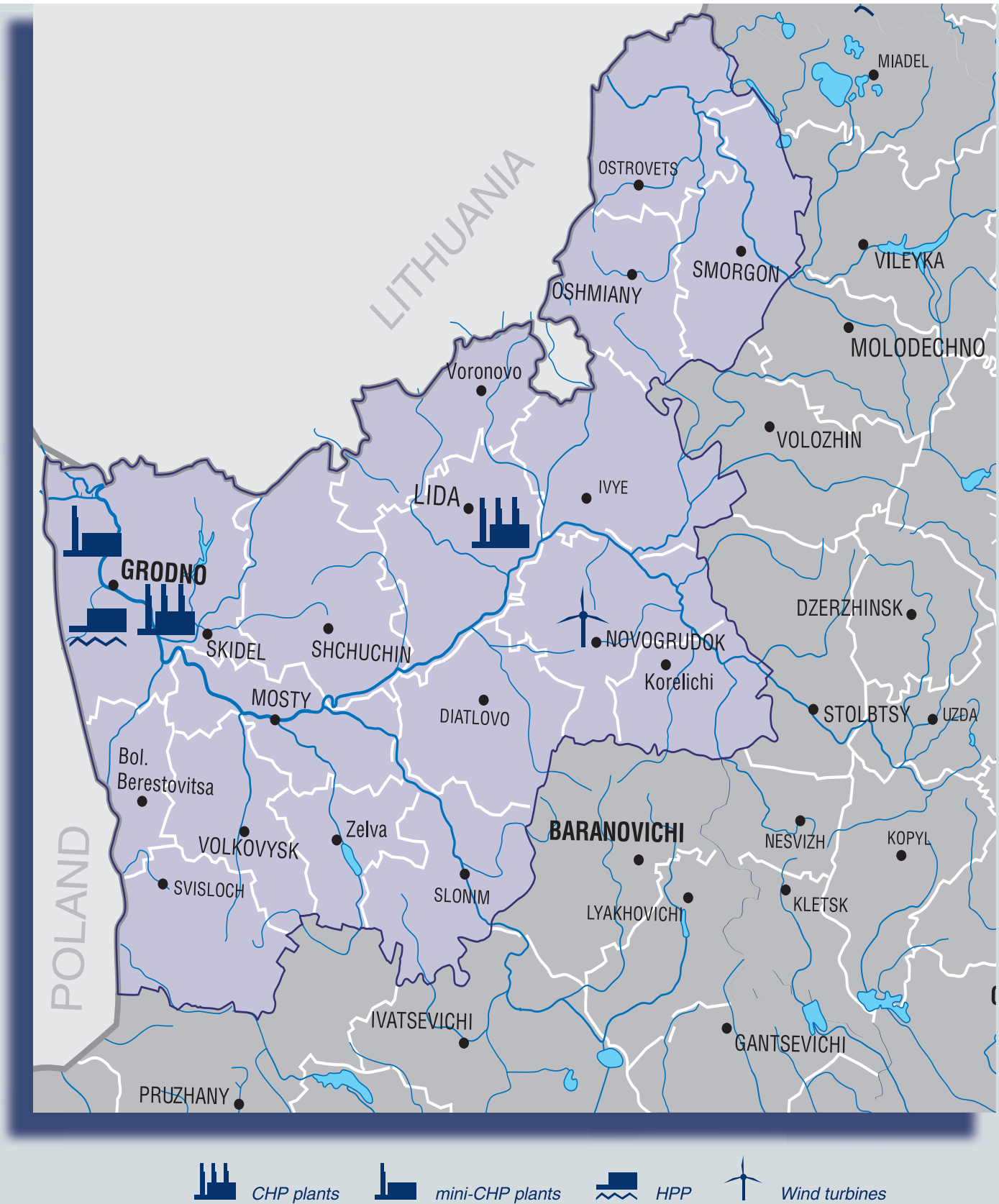
In September 2011, Rechitsa CHP was commissioned, with its unique technology characteristics. The latest technologies of thermal and electric energy generation were implemented at this mini-CHP, using locally-available fuels, ORC modules and thermal oil boilers. The most important advantage of this new equipment is the capability to use energy at relatively low temperatures, high efficiency of the turbine (especially when it is loaded partially), higher efficiency compared to the steam turbine units with a similar capacity, high operational reliability at low operational parameters, etc. Up-to-date automated process control system is used to control the process flow at the mini-CHP.

The most significant investment project in recent years has been the project for reconstruction of the steam turbine (PT-60-130) at Mozyr CHP, including replacement of the high-pressure cylinder. The new equipment was commissioned in December 2013. Due to the applied technical solutions, the annual turbine operation time will be increased by 1,500 hours. The electrical capacity is increased by 10%, the thermal capacity of heat extraction is increased by 25%. Due to this reconstruction, the tariffs can be reduced approximately by 20% for the thermal energy with steam (40 atmospheres) delivered to the Mozyr Refinery.

Future plans for the region include higher rates of renewal and development of the energy industry facilities and activities for structural improvement of electric energy generation at the CHPs.



PRINCIPAL ENERGY SOURCES



- Grodno CHP-2
- Grodno Electrical Networks
- Volkovysk Electrical Networks
- Lida Electrical Networks
- Oshmyany Electrical Networks
- Grodno Heat Networks
- Lida Heat Networks
- Dispatching and Process Control Equipment Enterprise
- Energonadzor (Energy Inspection)
- Energostroiremont
Repairing and Construction Production Unit
- Training Center
- Health resort "Energetik"
- Agricultural company "Stary Dvorets"

Grodnoenergo RUE is a state enterprise that provides centralized delivery of electric energy to the consumers in Grodno region and centralized delivery of thermal energy to the consumers in Grodno, Lida and Smorgon.

The Energy System of Grodno region was founded as early as 1959, when several power plants with the total capacity slightly higher than 42 MW were activated for uninterruptable simultaneous operation at 35 kV lines for the first time in Grodno region. As a result, due to the effective work of several generations of the energy industry specialists, the modern energy industry was created and in operation now in the region. New technologies and up-to-date energy equipment are used at the facilities operated by the enterprise, and the multifunctional automated control system works reliably. Now Grodnoenergo RUE comprises 13 divisions.

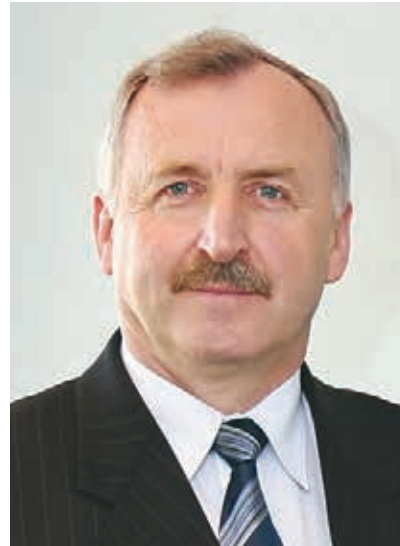
64 Kosmonavtov Ave.,
230003 Grodno

Telephone: (+375 152) 75-53-00, 79-23-59

Fax: (+375 152) 75-54-41

e-mail: volt@energo.grodno.by
www.energo.grodno.by

UNP 500036458



Vladimir Shaternik

Director General

Principal activities:

- generation, transmission and sales of electric and thermal energy;
- provision of services to the population, such as connection of electric installations in dwelling houses and other private permanent structures, including design, installation and adjustment procedures;
- manufacturing of electricity meters, data collection and transmission devices, LED-based equipment, provision of services in design and installation of systems for thermal and electric energy metering (the center of these activities is the Dispatching and Process Control Equipment Enterprise);
- construction and repair services and manufacturing of a wide range of high-quality products made of concrete, such as poles, paving tiles, foundation blocks, ceiling slabs, rings for water well lining (the center of these activities is Energostroiremont Republican Construction Enterprise);
- resort and medical services at the health resort of the first category "Energetik";
- production and sales of animal husbandry and crop growing products by the agricultural company "Stary Dvorets".

The right to implement these types of activities is confirmed by 11 licenses and 25 certificates.

Principal technical and economic parameters in 2013

Parameter	Unit of measurement	Result
Electric energy generation	kW-hours ths	1,511,829
Thermal energy output from headers	Gcal	3,926,220
Specific consumption of coal equivalent: – for electric energy output – for thermal energy output	grams / kW-hour kg / Gcal	171.8 167.18
Auxiliary consumption for thermal energy output	kW-hour / Gcal	30.16
Process-related consumption at boiler plants	kW-hour / Gcal	24.82
Electric energy losses	%	7.55
Thermal energy losses	%	8.23

As of January 1, 2014, the installed electric capacity of the Grodno Energy System is 376.138 MW: CHPs, 355.539 MW; hydroelectric power stations, 19.099 MW; wind farms, 1.5 MW.

The installed thermal capacity of the boiler plants is 289 Gcal/hour.

The annual output of electric energy over 2013 is 1,511,829 ths kW-hour: 96,415 ths kW-hour of HPPs and 3,988 ths kW-hour of WDPP.

The length of 6–10 kV lines is 17,114 km, including the length of overhead and cable lines which stretch 14,956 km and 2,158 km respectively. The length of 0.38 kV lines is 16,055 km; of which, the length of overhead lines is 14,039 km (including overhead lines with insulated wires, 2,257.8 km); cable lines, 1,962 km.

The length of heat networks is 629.2 km, including 213.4 km of pre-insulated pipes.



GRODNOENERGO

The enterprise staff (as of January 1, 2014) comprises 6223 employees including 2573 managers, officials and specialists, and 3650 workers.

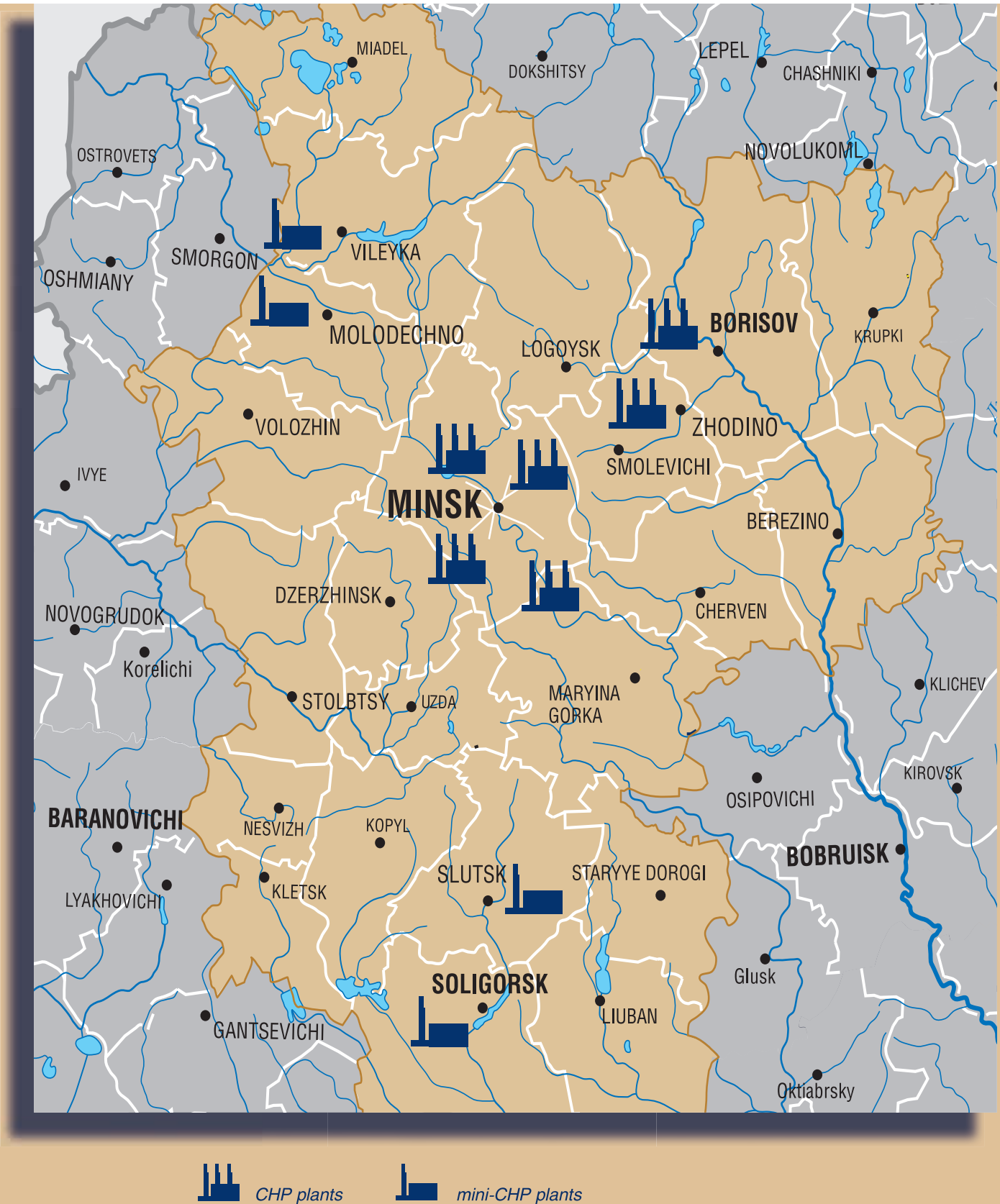
The Energy System of Grodno region was the first in Belarus to install and commission in 2011 the wind turbine, 1.5 MW. In 2012, the first medium-size hydroelectric power plant in Belarus, Grodno HPP (17 MW), was commissioned by Grodnoenergo RUE. In 2013, a large-scale project for construction of a gas turbine unit (121.7 MW) was implemented at Grodno CHP-2. Long-term plans for the Grodno Energy System include construction of a wind farm and the first solar power plant.

Construction of new power plants in Grodno region is the real promising development not only for Grodno region but for Belarus as a whole. The basis for this development is the result of the conscious efforts of thousands of people for many years, heritage of generations of the energy industry staff as well as the best traditions and the glorious heritage of the veterans.

The efforts of Grodnoenergo RUE staff for making the energy delivery more reliable, construction of new energy facilities and reconstruction and modernization of the existing ones provide the basis for effective operation of the energy system in the future.



PRINCIPAL ENERGY SOURCES



- Minsk CHP-3
- Minsk CHP-4
- Minsk CHP-5
- Zhodino CHP
- Borisov CHP
- Minsk Heat Networks
- Minsk Cable Networks
- Minsk Electrical Networks
- Borisov Electrical Networks
- Molodechno Electrical Networks
- Slutsk Electrical Networks
- Stolbtsy Electrical Networks
- Energosbyt (Energy Sales)
- Energonadzor (Energy Inspection)
- Training Center
- Minskenergospetsremont (Minsk Energy Facilities Repair Service)
- “Lebedevo” agricultural company

The energy system of Minsk region is of the highest capacity and the largest in Belarus. Located in the center of electrical loads, it generates more than 25% of electric energy and about 40% of thermal energy produced by all the energy sources operated by Belenergo SPA. The enterprise staff is about 15,000 persons.

Minskenergo RUE carries out comprehensive activities for generation, transmission, distribution and sale of electric and thermal energy.

The principal task for the energy system is to provide reliable and uninterrupted delivery of energy to the consumers in the Belarusian capital and in Minsk region, among which are the largest enterprises forming the basis of the national industry. To resolve this very important task, the energy system has appropriate facilities: it operates six CHPs, several high-capacity district boiler plants in Minsk, Molodechno and Borisov, and mini-CHPs in Vileika, Molodechno, Soligorsk and Slutsk.



Pavel Drozd

Director General

As of the beginning of 2014, the installed capacity of the power plants operated by Minskenergo RUE is about 2500 MW, the total thermal capacity of turbines and boiler units is more than 9,000 Gcal/hour.

Minsk Energy Center operates 65,000 km of power transmission lines of all voltage classes and more than 2,400 km of heat networks. The electric network divisions also implement the electric energy reception and transmission (flows) to other regions in Belarus.

In terms of various parameters, the Minsk Energy System keeps the leading position among the enterprises of the Belarusian Energy System.



**24 Aranskaya St.,
230033 Minsk**

Telephone: (+375 17) 218-43-59, 223-81-03

Fax: (+375 17) 327-21-11, 223-93-03

e-mail: office@minskenergo.by

www.minskenergo.by

UNP 100071593

Minskenergo RUE technical and economic parameters in 2013

Parameter	Unit of measurement	Result
Installed capacity, as of 01.01.2014: – thermal – electric	Gcal / hour MW	9040.6 2454.5
High-voltage lines, 35-750 kV 750 kV 330 kV 220 kV 110 kV 35 kV	lines / km	2/226 21/1305 6/437 146/3775 153/2493
6–10 kV lines	km	22028
0.4 kV lines	km	22059
Electric energy generation	million kW-hours	8618.245
Thermal energy delivery	thousand Gcal	13246.604
Specific fuel consumption: – for electric energy delivery – for thermal energy delivery	grams / kW-hour kg / Gcal	225.9 167.63
Effective delivery	million kW-hours	10263.797



MINSKENERGO

In recent years, the Minsk Energy System has implemented rapid modernization of fixed assets, first of all, at the energy sources. Due to the equipment modernization and construction of new generating facilities, the energy supply to the consumers has become much more reliable. Application of modern combined-cycle steam and gas technologies at the power plants within the Minsk Energy System has resulted in significant improvement of their technical and economic parameters and in reduction of fuel consumption per unit of generated electric and thermal energy.

The appropriate basis has been prepared for the implementation of challenging projects which have never been implemented in the Belarusian energy industry. Advanced information technologies (such as automated energy metering systems, automated process control systems etc.) have been introduced, and new technical solutions have been tested.

Also, efforts are made to solve the problems related to the use of locally available fuels and energy sources, and measures for energy saving are actively implemented.

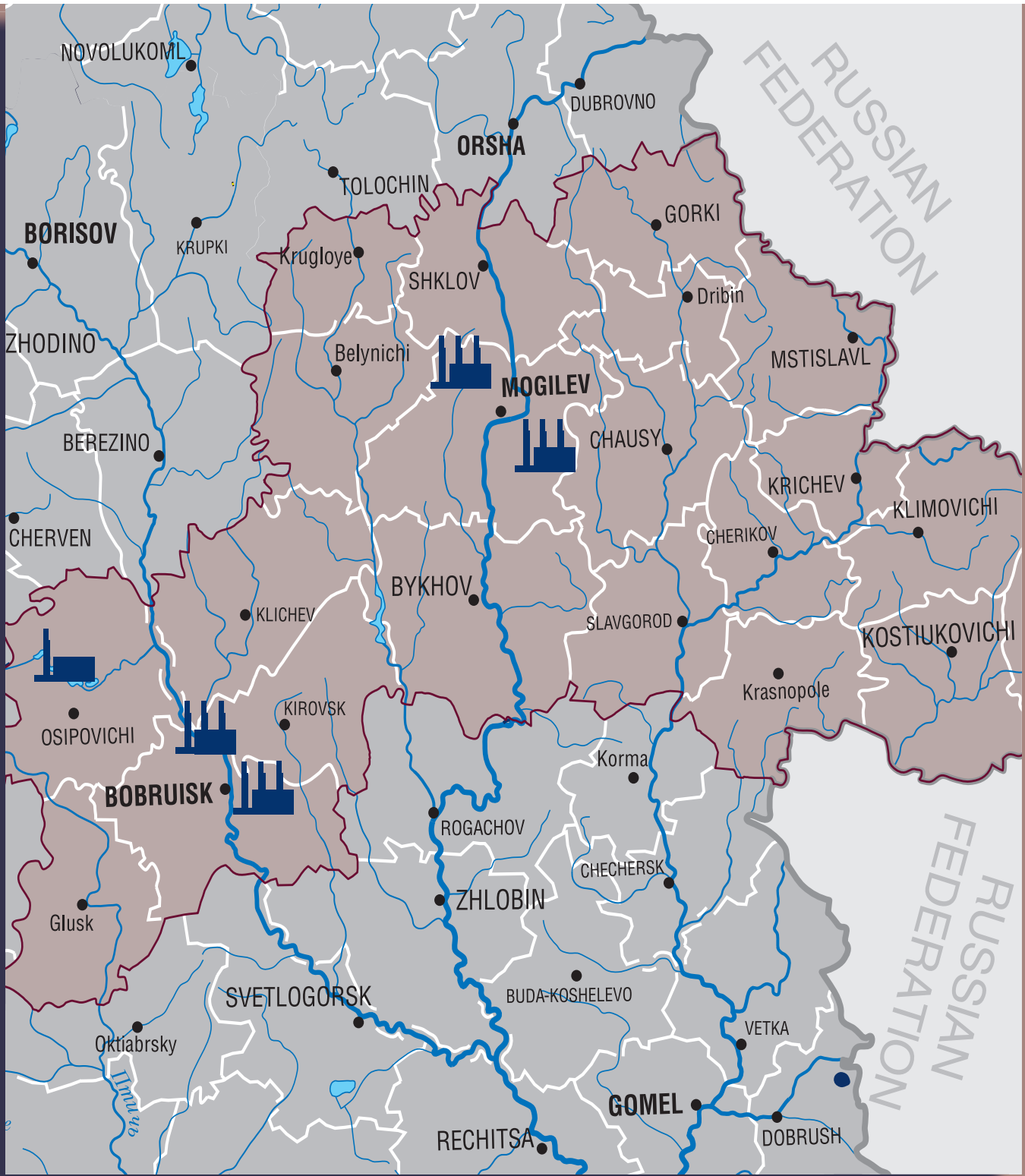
Much is being done to modernize the existing backbone lines and 330 kV substations and to build new ones: for these purposes, advanced electrical equipment is used, such as SF6 switches, overvoltage limiters, small-sized sealed accumulator batteries, etc. Pre-insulated pipelines are actively applied in heat networks.

The energy industry system of Minsk region is now a rapidly developing highly-automated complex of energy facilities with the staff working reliably as a team, surely capable to solve the most sophisticated technical problems.

Minskenergo RUE carries out its activities in accordance with the special permissions (licenses) it holds. The divisions of Minskenergo RUE have prepared and implemented the quality management and environment protection systems and keep these systems relevant; this is confirmed by the certificates of conformity with the requirements of the international standards.



PRINCIPAL ENERGY SOURCES



MOGILEVENERGO

- Mogilev CHP-2
- Bobruisk CHP-2
- Mogilev Heat Networks
- Bobruisk Heat Networks
- Mogilev Electrical Networks
- Bobruisk Electrical Networks
- Klimovichi Electrical Networks
- Energonadzor (Energy Inspection)
- Energy Repair Service
- Engineering Center
- Training Center
- Agricultural division "Vendorozh"

The energy system of Mogilev region is among the oldest in the Republic of Belarus.

It was more than hundred years ago when the first city electric power plant was commissioned in Mogilev, and more than 50 years ago when the Mogilev Energy System was established.

Now, Mogilevenergo RUE is a modern enterprise with effective structure of electric and thermal energy production based on up-to-date technologies.

Mogilevenergo RUE provides generation, transmission, distribution and sale of electric and thermal energy, with related real-time dispatching process control.

The total installed capacity of the energy sources operated by Mogilevenergo RUE is 587.845 MW.



Konstantin Putilo

Director General

The enterprise comprises 12 divisions.

Currently the Mogilev Energy System operates 32.392 thousand km of 0.38/6–10 kV electric networks; 5.313 thousand km of 35–750 kV electric networks; 204 substations, 35–750 kV; three small hydroelectric power plants, 4.045 MW capacity. Also, 40 steam boilers and 26 hot water boilers, 18 turbine units and 8 hydraulic generating units are in operation at the electric power plants and boiler plants.

The energy system also operates 618.08 km of heat networks, of which 546.773 km are main lines in Mogilev, Bobruisk, Osipovichi, Kostyukovichi.



**3 Bonch-Bruevich St.,
212030 Mogilev**

Telephone: (+375 222) 29-33-59

Fax: (+375 222) 29-34-81

e-mail: energo@mogilev.energo.by

www.mogilev.energo.by

UNP 700007066

In recent years, large efforts have been made by Mogilevenergo RUE to build new facilities and to reconstruct the existing ones: the district boiler plant RK-3 in Mogilev has been reconstructed, including installation of a new generating equipment with the capacity of 19.5 MW; the recovery turbine with the capacity of 2.6 MW has been installed at Bobruisk CHP-2; the recovery turbine with the capacity of 2.3 MW was installed at Mogilev CHP-2. As for the current five-year plan period, extensive work is again expected in the Mogilev Energy System. Several large-scale projects are planned for implementation; as a result, the energy industry potential in the region will become significantly higher. Among these projects are: the reconstruction of the steam turbine unit PT-135/165-130/21 (stage No.5) at Mogilev CHP-2; the reconstruction of the steam turbine unit PT-60-130 (stage No.2) at Bobruisk CHP-2 and its conversion to the “degraded vacuum” mode. Also, the gas turbine unit, GTU-25, is planned to be built at Mogilev CHP-1.

Principal technical and economic parameters in 2013

Parameter	Unit of measurement	Result
Electric energy generation	million kW-hours	1,448.343
Thermal energy delivery	thousand Gcal	4,618.080
Electric energy delivery from bus lines	million kW-hours	1,244.393
Purchased electric energy	million kW-hours	2,346.306
Electric energy consumption for its transportation in networks	million kW-hours %	370.056 10.30
Heat losses	thousand Gcal %	340.341 7.37
Effective electric energy delivery	million kW-hours	3160.771
Effective thermal energy delivery	thousand Gcal	4234.306
Specific fuel consumption for energy production (calculated by physical method):		
– electric energy	grams / kW-hour	193.1
– thermal energy	kg / Gcal	171.08



MOGILEVENERGO

Mogilevenergo RUE pays great attention to locally-available fuels. To increase the share of locally-available fuels in the fuel balance, Osipovich mini-CHP with the capacity of 1.2 MW on wood fuel was commissioned in 2006; also, lignin is used as fuel at Bobruisk CHP-1.

The following directions are among the top-priority of energy saving: to reassign the loads related to thermal energy from the boiler plants to the CHPs; to use variable-frequency electric drives for variable-load mechanisms; to use pre-insulated pipes to replace ineffective heat pipelines; to introduce modern energy-efficient technologies, processes, equipment and materials in energy production, and improve the ones already in use in terms of energy efficiency; to reduce the losses of electric energy in electrical networks; to replace the electric equipment in 0.4–10 kV networks to use better and more cost-effective equipment instead.

The enterprise has developed a technical strategy for the scheduled replacement of obsolete and worn-out inductive electric energy meters with modern electronic meters.

The existing energy industry in Mogilev and Mogilev region is the result of labour achievements of the previous generations as well as the current staff of many thousands of energy industry specialists, equipment adjusters, installers and designers.

At present, the Mogilev Energy System faces the challenging tasks; however, we are positive that the creative conscious work and high level of professional skills will allow the Mogilevenergo RUE staff to solve them.





Valery Gorovikov

Director General

The Republican Unitary Enterprise of Electric Power Industry (ODU RUE) exercises functions of the national dispatching center and provides continuous centralized real-time dispatching of Integrated Power System of Belarus (IPS of Belarus) and its synchronous operation with the power systems of foreign countries.

ODU RUE is a part of the Belenergo State Production Association of Electric Power Industry subordinated to the Ministry of Energy of the Republic of Belarus.

Main goals:

- to provide real-time dispatching of coordinated operation of the power plants, electrical networks and heat networks of the IPS of Belarus;
- to provide stable, reliable and cost-effective operation of the IPS of Belarus and its synchronous operation with the power systems of the CIS and the Baltic States;
- to provide information and technical services for customers in accordance with the requirements of the legislation and customers' expectations;
- to provide intradepartmental electric communication services for the organizations of the Belarusian electricity sector.

Main functions:

- real-time dispatching of the IPS of Belarus and control of the operating conditions of 220–750 kV transmission network and the main power plants of IPS of Belarus;
- ensuring safe and reliable operation of the IPS of Belarus as well electricity quality in compliance with the valid technical requirements;
- participation in forecasting of electricity production and consumption and providing necessary reserve capacity;
- control of the national balance of active power and providing necessary power reserves in real-time operation;
- coordination of maintenance schedule and commissioning/decommissioning of main power plants and transmission network equipment in the IPS of Belarus;
- working out of best daily generation schedule for the main power plants of the IPS of Belarus;
- implementation of measures to ensure secure operation of the IPS of Belarus and to prevent and eliminate emergencies;
- operation and development of a supervisory control and data acquisition system;
- determination of principles and parameters of relay protection systems and emergency automation in the IPS of Belarus;
- control of operation and maintenance of relay protection systems managed and operated by the dispatcher of ODU RUE;
- coordination of activities for development of the automated electricity metering system within the IPS of Belarus;
- information provision, development and operation of the automated control system for the top-level management of the IPS of Belarus;
- control of operation of the lines and stations within the intradepartmental electric communication network and remote control systems.

ODU RUE provides reliable real-time control of the Integrated Power System of Belarus

14 K. Marx St., 220030 Minsk
Telephone: (+375 17) 218-23-10
Fax: (+375 17) 218-24-55
e-mail: odu@odu.energo.by
www.odu.by
UNP 100059894





**GAS SUPPLY AND
PEAT INDUSTRY**



3 V. Khoruzhei St., 220005 Minsk
 Telephone: (+375 17) 288-23-93
 e-mail: mail@bel.topgas.by

Fax: (+375 17) 284-37-86
 www.topgas.by

GAS SUPPLY, GAS SUPPLY ORGANIZATIONS, PEAT PROCESSING ENTERPRISES AND MECHANICAL ENGINEERING PLANTS OPERATED BY BELTOPGAS SPA.

Length of gas pipelines:

- Brestoblgas
- (Brest Region): 9,814.4 km
- Vitebskoblgas
- (Vitebsk Region): 5,267.4 km
- Gomeloblgas
- (Gomel Region): 8,249.1 km
- Grodnooblgas
- (Grodno Region): 7,639.9 km
- Mingas
- (Minsk City): 4,586.4 km
- Minskoblgas
- (Minsk Region): 9,313.5 km
- Mogilevoblgas
- (Mogilev Region): 5,755.0 km



BELTOPGAS

The State Production Association for Fuel and Gas Supply (Beltopgas SPA) is an integrated state-operated production entity which reports to the Ministry of Energy of the Republic of Belarus and integrates the manufacturing and economic activities of 46 organizations of various patterns of ownership, with more than 27,000 employees. Beltopgas SPA comprises four production complexes and a complex assisting the activities of the production enterprises.

GAS SUPPLY

Six regional gas service enterprises and the gas service enterprise in the city of Minsk together with 118 district and inter-district gas supply organizations form a highly-developed, technically advanced and economically effective system. Continuously developing, it allows to provide consumers with natural and liquefied gas, from preparation of specifications, design and construction of gas supply systems for delivery of gas to every flat; operation of gas-distribution systems, related structures and gas-consuming equipment, including the equipment installed in dwelling houses; design and manufacturing of gas equipment, mechanization and automation equipment and related spare parts. The gas complex also includes the enterprise rendering services for delivery of liquefied gas by rail transport.

- Brestoblgas Unitary Enterprise
- Vitebskoblgas Unitary Enterprise
- Gomeloblgas Republican Production Unitary Enterprise
- Grodnooblgas Unitary Enterprise
- Mingas Unitary Enterprise
- Minskoblgas Unitary Enterprise
- Mogilevoblgas Republican Unitary Enterprise
- SG-TRANS Republican Unitary Enterprise



Leonid Rudinsky

Director General

PEAT INDUSTRY

The complex comprises 23 peat industry enterprises (2 enterprises are operated by Belenergo SPA). These enterprises extract and process peat, produce fuel briquettes and peat-based nutrient soils for the customers in Belarus and for export. The complex also comprises mechanical engineering plants to produce and repair machines, mechanisms and equipment for a full range of works and technologies in peat industry.

- Zhitkovichi TBZ Peat Briquette Plant JSC
- Lyakhovich TBZ Peat Briquette Plant JSC
- TBZ Ditva Peat Briquette Plant JSC
- TBZ Gattcha-Osovsky Peat Briquette Plant JSC
- Braslav TBZ Peat Briquette Plant JSC
- TP Glinka Peat Enterprise JSC
- Berezinskoye Peat Briquette Plant JSC
- TP Kolpenitsa Peat Enterprise JSC
- Krasnoye Znamya JSC
- Peat extraction and Processing Workshop, Vitebskoblgas UE
- Starobin TBZ Peat Briquette Plant JSC
- TBZ Usyazh Peat Briquette Plant JSC
- TBZ Neman Peat Briquette Plant JSC
- Lida TBZ Peat Briquette Plant JSC
- Turshovka JSC
- Oshmyany TBZ Peat Briquette Plant JSC
- Zelenoborskoye JSC
- TP Dneprovskoye Peat Enterprise JSC
- TBZ Tsna Peat Briquette Plant JSC
- ZTM Bolshevik JSC



CONSTRUCTION COMPLEX

The enterprises of the construction complex operated by Beltopgas SPA construct and install gas pipelines, heat networks, water supply and sewerage networks and related structures, ventilation systems, indoors gas consumption systems (both for natural and liquefied gas), install pre-insulated pipelines for utilities, make anticorrosion insulation on pipelines, inspect welded joints and carry out other construction and installation activities.

- Belgasstroï JSC
- Gomelgasstroï JSC
- Rogachevgasstroï JSC
- Mogilevgasstroï JSC
- Grodnogasstroïizolyatsiya JSC
- SMT Beltoplivostroï JSC
- Lidagasstroï JSC
- Stroïgas Brest JSC
- SPMK-4 JSC
- Selstroïgas JSC
- SPMK Gasstroïmontazh
Republican Unitary Enterprise

INDUSTRIAL PRODUCTION COMPLEX

Industrial enterprises operated by Beltopgas SPA predominantly produce gas-burning industrial and domestic products intended for export, such as gas stoves and electric stoves (Gefest trademark), automobile and domestic gas cylinders of various applications, including those meeting the European standards; equipment for fuel systems of gas vehicles and for vehicles converted for this type of fuel. These enterprises fully satisfy the needs of gas facilities operated in Belarus for equipment, systems, instruments and other items; also, they actively produce import-substituting products in this branch of industry and new products based on scientific and technical developments.

- Novogrudok gas equipment plant JSC
- Belgastechnika Republican
Unitary Enterprise
- Brestgasoapparat JV JSC

INDUSTRIAL ACTIVITY ASSISTANCE COMPLEX

This complex includes two design institutes: Belgiprogas, which implements a wide range of design activities in gas supply and gas usage and is the leading design organization for the development of gas supply systems in Belarus, and Belniitopproject, which implements a wide range of design, scientific, research and survey activities in peat industry. The complex also includes organizations that provide logistics support for Beltopgas SPA, provide personnel training services in gas supply, heat supply, peat extraction and processing, and organizations engaged in scientific management.

- Belgiprogas Republican Unitary
Enterprise
- Belniitopproject Republican Unitary
Enterprise
- Beltopgaskomplekt JSC
- Nauchnaya Organizatsiya
Truda (Scientific Management)
Republican Unitary Enterprise
- GAS-INSTITUT State Personnel
Training Institute

BELTOPGAS

Beltopgas SPA: Principal parameters of production in 2013

Natural gas supply to consumers	19.491 million m³
Liquefied gas sales	115.6 thousand tons
Peat extraction	2,574.0 thousand tons
Peat briquette production	1,090.5 thousand tons

GAS USAGE DEVELOPMENT IN BELARUS

As of January 1, 2014, gas is available in every of 118 districts in Belarus. Natural gas is available in 112 of 113 cities (Disna, small town in Vitebsk region, is expected to be provided with gas in 2014-2015), 78 of 81 urban-type settlements and more than 60% of agricultural towns. The percentage of flats provided with natural gas is 70.5% of the total number of flats provided with gas.

The length of natural gas supply networks is 50,625.7 km (27,283.1 km, or 53.9%, in rural areas); liquefied gas supply networks, 233.1 km (221.7 km, or 95.3%, in rural areas).

Annual increment of the total length of natural gas pipelines in Belarus is more than 2500 km. In 2013, 2561.1 km of gas pipelines were built, of which, 1103.3 km, for dwelling houses being in use (within the scope of implementation of the Edict of the President of the Republic of Belarus dated June 2, 2006, No.368), and 1179.7 km, for agricultural towns and rural settlements (in accordance with the State Program for Sustainable Development of Rural Areas in 2011–2015).

Natural gas is available in 2,664,989 flats (70.5%), of which 347,284 flats (28.3%) are in rural areas; liquefied gas is available in 1,116,458 flats, of which 880,398 flats are in rural areas. Among the consumers of liquefied gas, 98.3% obtains gas from gas tank plants; others, from group gas supply plants.

In 2013 the supply gas pipeline for gas delivery to Svir, an urban-type settlement in Minsk region, was commissioned. Natural gas delivery was arranged to replace liquefied gas in 20,187 flats in agricultural towns and rural settlements. In 2013, natural gas was made available for the first time in 146 agricultural towns and rural settlements. Also, gas pipelines were commissioned to deliver natural gas to the CCGT units at Lukomlskaya and Beryozovskaya SDPPs.

Providing rural settlements with gas is especially important now, because the demand for natural gas in rural areas grows steadily. Every year, gas supply is made available to about 150 rural settlements; however, the number of households in need for gas supply does not decrease.



BRESTOBLGAS



Evgeny Kazimirchik

Director General

Brestoblgas UE was established
in March 27, 1960.

The enterprise's mission is safe and uninterrupted delivery of natural and liquefied gas to the consumers in Brest region.

Principal activities of the enterprise:

- maintenance and repair of gas equipment and gas supply networks;
- maintenance and repair of household gas equipment (including the equipment of foreign origin);
- manufacturing of assemblies and parts for gas supply systems;
- conversion of motor vehicles to run on liquefied hydrocarbon gas;
- repair of gas equipment for motor vehicles running on bottled gas;
- repair and calibration of measuring instruments and gas detectors;
- construction of gas supply systems;
- installation of remote control systems at gas control stations and boiler plants;
- installation of heating systems, water supply systems, electric power supply systems for boiler plants and furnace plants at public utility facilities;
- design of gas supply systems and related survey activities;
- operation adjustment tests at boiler units, electro-physical measurements;
- repair of vehicle motors and bodies.

**16, General Popov St.,
224012 Brest
Telephone / Fax:
(+375 162) 41-21-99**

**e-mail: box@brest.gas.by
www.brest.gas.by**

UNP: 200274574





50 years in the service market!

At present Brestoblgas UE is a strong multi-industry enterprise with an extensive material and technical basis, modern equipment and advanced technologies which make it possible to provide the national economy entities and households in Brest region with natural and liquefied gas 24 hours a day.

The organization comprises 4 inter-district and 8 district production directorates (4 gas filling stations are operated by district gas supply directorates), extensive network of gas filling stations for motor vehicles (13 fixed and 19 mobile stations), Health Resort "Nadzeja", Domanovo agricultural enterprise, Berezinskoye peat processing plant.

As of January 1, 2013, gas supply is provided in 596,300 flats in Brest region. The degree of gas supply in dwelling houses is 98.1%.

Brestoblgas UE personnel provides service for 9105 km of gas pipelines, 548 gas control stations, 434 cabinet-type control stations, 202 gas control units, 875 cathode stations.

The enterprise also offers agricultural products, peat briquettes (BT-2 grade), planting soils, sawn lumber, work clothing, and resort services.

Certificates:

STB ISO 9001-2009,
valid until November 22, 2015;

STB ISO 14001-2005,
valid until May 15, 2015;

STB 18001-2009,
valid until April 1, 2015.





PRODUCTION REPUBLICAN UNITARY ENTERPRISE

VITEBSKOB LGAS

Pyotr Shershen

Director General



Vitebskoblgas Production Republican Unitary Enterprise was established in March 1960. The enterprise is a division of Beltopgas SPA.

The enterprise's mission is trouble-free and uninterrupted gas supply to the consumers in Vitebsk region. This is achieved by maintaining operating efficiency of the whole system, diagnosing the gas networks and equipment and conducting constant scheduled maintenance and servicing.

Gas-supply organizations of the region provide reliable and uninterrupted delivery of natural and liquefied gas to the households and to industrial, transport, agricultural and energy enterprises. Several large-scale projects and state programs are in progress, such as provision of gas supply to agricultural towns, and construction of gas distribution networks in the districts where gas has already been made available.

Vitebskoblgas UE is a sophisticated technically advanced regional gas service system. It comprises 21 divisions, including three production directorates for gas service and 18 district production directorates for gas service.



36 Pravdy St., 210029 Vitebsk
Telephone: (+375 212) 49-36-10, 49-36-02, 47-00-46
Fax: (+375 212) 47-00-46
e-mail: info@oblgas.vitebsk.by
www.oblgas.by

UNP 300002084

We bring warmth and comfort into each house!

This structure makes it possible to provide a full range of services related to gas transportation, delivery to the consumers, emergency and repair request handling, gas consumption mode monitoring. The enterprise provides services in design, construction, operation, repair and diagnostics of gas supply systems for households and for industrial consumers. The enterprise includes laboratories for electro-physical measurements, welding quality control, vessels diagnostics, household gas meters calibration. Gas-filling stations provide a complete range of services for installation, repair and tests of gas tank equipment for motor vehicles running on liquefied hydrocarbon gas.

As a multi-functional enterprise (with more than 30 types of activities), Vitebskoblgas UE is also engaged in peat extraction, manufacturing of peat-based products and agricultural production.

In recent years, Vitebsk region has ranked among the leaders in Belarus in terms of rates and scopes of gas network construction.

Annually, the enterprise sells 3.0–4.0 billion m³ of natural gas and 15–18 thousand tons of liquefied gas to customers in Vitebsk region.

The enterprise has 8 licenses, 2 permissions, 2 accreditation certificates, 2 certification documents and 16 certificates for the above-listed activities.

Vitebskoblgas UE is among the leading enterprises in the region, both in industrial activities and in social life.

For its high results in the industrial activities and contribution to the development of the region, Vitebskoblgas UE has been repeatedly awarded the title of the winner in the regional competition and was listed on the Board of Honour of Vitebsk region. At the final stage of the XI Republican Ecological Forum (August 23-25, 2013, Bobruisk), it was declared the winner in the category “Landscaping of Territories of Enterprises, Organizations, Institutions, Facilities of Agricultural Tourism and Motorway Service” taking into consideration the contribution of divisions of Vitebskoblgas UE.



GOMELOBLGAS



Anatoly Feigin
Director General

Gomeloblgas Republican Production Unitary Enterprise is among the largest in the Republic of Belarus in terms of length of gas networks and gas consumption in the Republic of Belarus.

The history of the enterprise dates back to March 1, 1960, when the Gomel Trust for Gas Service was established, subordinated to the Chief Directorate for Gas Service of the Council of Ministers of BSSR.

The enterprise's mission is trouble-free and uninterrupted delivery of natural and liquefied gas to the consumers. The range of services offered by Gomeloblgas PRUE covers virtually all activities related to gas supply to Gomel and Gomel region, operation, reconstruction and repair of gas service facilities. Along with provision of safety, the enterprise's staff faces the task to complete the activities for making natural gas available in all agricultural towns, villages and settlements of Gomel region.



17 Gagarin St., 246050 Gomel
Telephone: (+375 232) 70-04-07
(reception room)

Fax: (+375 232) 21-52-18
e-mail: oblgaz@mail.gomel.by
www.gomeloblgaz.by

PRODUCTION REPUBLICAN UNITARY ENTERPRISE



The industrial structure of Gomeloblgas PRUE includes 5 inter-district and 5 district production directorates, 11 workshops, Gomel Repair Production Directorate, Antonovka-Agro Agricultural Production Directorate, Khoiniksky Peat Briquette Plant.

The length of the gas networks operated by the enterprise's divisions is about 8,000 km. Gas supply is provided to about 1,000 enterprises and more than 600,000 flats and households.

Gomeloblgas PRUE provides services in gas supply to dwelling houses, manufactures cabinet-type control stations, gas control stations and inlet gas pipelines.

The enterprise's division Antonovka-Agro Agricultural Production Directorate is engaged predominantly in dairy and meat production. In addition to this primary area of activity, it grows cereals and potato.

The primary activity of Khoiniksky Peat Briquette Plant, division of Gomeloblgas PRUE, is production and sales of peat briquettes and peat for composting. Customers' demand for peat briquettes exists both in the Republic of Belarus and abroad.

Gomeloblgas PRUE is a founder of Belpolimerigas JV LLC. The primary business of this company is manufacturing of polyethylene thermistor fittings used in gas and water supply systems to be sold in the Republic of Belarus and abroad.

The enterprise has all the necessary licenses, certificates and other authorization documents for these activities. Products produced by and works carried out by Gomeloblgas PRUE are certified in terms of quality and occupational safety to meet the requirements listed in STB ISO 9001, STB ISO 14001 and STB ISO 18001.



UNP 400035057



Yevgeny Smirnov

Director General

Grodnooblgas Production Republican Unitary Enterprise is a division within the structure of Beltopgas SPA, the Ministry of Energy of the Republic of Belarus.

The enterprise's mission is safe and uninterrupted delivery of natural and liquefied gas to the consumers in Grodno region.

Principal activities of the enterprise:

- delivery and sale of natural and liquefied gas;
- design and construction of facilities for the gas distribution system and gas consumption facilities;
- manufacturing of assemblies and parts for the gas distribution system (including cabinet-type control stations);
- maintenance of gas pipelines and household gas equipment;
- installation and service maintenance of gas equipment;
- topographical geodesic and engineering geological surveys;
- instrumentation calibration;
- gas-consuming equipment adjustment;
- certification of electrogas welders; welded joints quality control;
- retail trade (liquefied gas sold at motor vehicles fuelling stations, and other goods);
- property leasing;
- production and sale of fuel briquettes (BT-2 grade);
- agricultural production (milk, meat, cereals, etc.).

With only liquid gas tank units operated at the initial stage of gas services in Grodno region, Grodnooblgas PRUE rapidly expanded to become a multi-service enterprise providing a full range of works related to gas service, gas supply, design, construction, diagnostics and quality control of gas supply systems.

The enterprise ensures high quality and safety at all stages of work, from installation of household gas appliances to sophisticated gas supply systems built on turnkey basis.

The premises arranged in enterprise's divisions, the system approach and efforts of specialists and workers resulted in Grodno region becoming the first region in Belarus where, at the end of 1997, gas supply was provided in all district centers, and in 2008, gas supply was arranged in all urban-type settlements.

Wide system of gas supply makes it possible to use natural gas for gas services in agricultural towns and rural settlements and to implement the State Program for Sustainable Development of Rural Areas ahead of shedule.

PRODUCTION REPUBLICAN UNITARY ENTERPRISE

GRODNOOBLGAS

The enterprise works with customers in accordance with the “one contact” principle. The enterprise carries out design, construction, adjustment and commissioning works quickly, with high quality and reliability.

This is because the paramount principle adhered by Grodnooblgas PRUE has remained unchanged for 55 years: making life convenient.

Licenses:

- No.02300/1120-1, issued by the Ministry of Emergency Situations of the Republic of Belarus, Activities in Industrial Safety;
- No.02300/191-4, issued by the Ministry of Emergency Situations of the Republic of Belarus, Activities in Use of Nuclear Power and Ionizing Radiation Sources;
- No.02190/5-36976, issued by the Ministry of Transport and Communications of the Republic of Belarus, Activities in Automobile Transport, Inland Water Transport, Sea Transport (Except for Transport Within the Republic for Own Needs);
- No.02010/0649507, issued by the Ministry of Internal Affairs of the Republic of Belarus, Activities for Provision of Security for Legal Entities and Natural Persons.

Certificates:

- BY/112 05.01.007 02025, issued by the State Committee for Standardization of the Republic of Belarus, Certificate of Conformity of the Quality Management System with the Requirements of STB ISO 9001-2009;
- BY/112 05.04.080 00406, issued by the State Committee for Standardization of the Republic of Belarus, Certificate of Conformity of the Occupational Safety with the Requirements of STB 18001-2009;
- 37372989.831-2012, issued by the Ministry of Architecture and Construction of the Republic of Belarus, RUP Stroitekhnorm, Certificate of Technical Competence.



60/1 Kosmonavtov Ave.,
230003 Grodno

Telephone: (+375 152) 79-01-02

Fax: (+375 152) 79-00-89

e-mail: office@gas.grodno.by

www.gas.grodno.by



UNP 500036445



Vadim Sholonik
Director General

MINGAS Production Republican Unitary Enterprise is a multi-service organization, with the mission of safe and uninterrupted delivery of natural and liquefied gas to the consumers in the city of Minsk and Minsk district.

Principal activities of the enterprise:

- trouble-free and uninterrupted delivery of natural and liquefied gas to the consumers in the city of Minsk and Minsk district;
- design and operation of the gas distribution system and related services;
- agricultural production;
- peat extraction and peat product production.

МИНГАЗ

UNP: 100308563

We are the organization that respects its customers, strictly observes the requirements of legislation and cares about its reputation.

MINGAS UE comprises the peat product manufacturing service and “Bubny” agricultural division. The enterprise also operates the recreation facility “Ogonyok Health Complex”, providing medical and resort services to the citizens of the Republic of Belarus and to foreign citizens.

The accredited calibration laboratory calibrates the instrumentation used by MINGAS UE and provides services for other organizations in calibration of pressure gages, head gages and pressure transducers.

The principal types of manufactured products include: gas control stations; cabinet-type gas control stations; hoses for gas appliances; permanent joints for connection of polyethylene pipes and steel pipes (PE80 GAS SDR 11); fuel briquettes (peat, BT-2 grade); peat for agricultural applications; animal husbandry and plant growing products.

The organization carries out its activities in accordance with the licenses for industrial safety, wholesale and retail petroleum product trade, medical services, etc.

High quality of works and services provided by MINGAS UE is confirmed by the fact of development and implementation of the quality management, environment protection and occupational safety system (IMS, the integrated management system) meeting the requirements of the international standards in terms of quality, ISO 9001:2008 (STB ISO 9001:2009) and environment protection, ISO 14001:2004, as well as the requirements of the National Standard of the Republic of Belarus in occupational safety, STB 18001-2009; this is confirmed by relevant certificates issued by the Russian Register Certification Association and by the Belarusian State Institute of Metrology Republican Unitary Enterprise.

MINGAS UE is a holder of the certificate of conformity with the requirements of the technical regulation, TR 2009/013/BY “Buildings and Structures, Building Materials. Safety”, for implementation of works in installation of outdoor networks and structures: pipeline installation.

MINGAS UE regularly replaces obsolete equipment, introduces modern monitoring systems for gas consumption modes covering all categories of customers, and applies energy-saving technologies.

11 Botanicheskaya St., 220037 Minsk
Telephone: (+375 17) 294-20-10, 299-28-80, 285-36-33

E-mail: root@mingas.by
www.mingas.by





PRODUCTION REPUBLICAN UNITARY ENTERPRISE

MINSKOBLGAS

MINSKOBLGAS Production Republican Unitary Enterprise is a large multidivisional gas service enterprise, with up-to-date equipment and experienced, initiative and industrious personnel.

The mission of the enterprise is safe and uninterrupted delivery of natural and liquefied gas to all categories of consumers in Minsk region.



We provide safe and uninterrupted delivery of natural and liquefied gas to the consumers.



UNP 100008077



Principal activities of the enterprise:

- gas fuel distribution in pipelines and gas fuel sales;
- wholeselling of natural (burning) gas;
- construction of utilities;
- motor vehicle maintenance and repair;
- cargo handling;
- cargo transportation arrangement;
- transportation and forwarding activities;
- peat extraction;
- wholeselling of peat;
- cereals and legumes growing;
- cattle breeding.



Sergey Zherdetsky

Director General

MINSKOBLGAS UE comprises 4 inter-district and 9 district production directorates, 2 gas filling stations (Knyagininskaya and Rudenskaya), special motor vehicle service, Minsk Repair and Production Directorate, Bobrovichi agricultural division in Volozhin District. In 2007, the briquetting workshop was affiliated with MINSKOBLGAS UE and arranged as the division of Berezino Gas Service District Production Directorate.

As of January 1, 2014, the facilities in operation in Minsk Region (except Minsk district) include:

- 9313.5 km of natural gas pipelines;
- 39.3 km of liquefied gas pipelines;
- 27 gas-filling stations for motor vehicles, of which 25 are fixed ones;
- 803 cabinet-type gas control stations;
- 510 gas control stations.

Natural gas is available for 943 public utilities and 338 industrial consumers; liquefied gas is used by 600 consumers.

Gas supply is provided in 555,852 flats; natural gas in 335,562 flats, and liquefied gas in 220,290 flats. Knyagininskaya and Rudenskaya gas-filling stations provide the consumers with liquefied gas.

MINSKOBLGAS UE offers the following products, works and services:

- peat briquettes, including loading onto motor vehicles, in bulk or in big bags;
- peat for compost (STB 832-2001 Standard); for large quantities, motor vehicles may be used for shipment;
- peat-based mixed soils for plant growing;
- agricultural products;
- health and recreation services (such as summer camps for children, seminars, sport events, staff parties);
- maintenance and repair of household gas appliances.

9 Gursky St., 220015 Minsk
E-mail: info@mx.mog.by

Telephone: (+375 17) 372-79-71
www.mog.by

MOGILEVOBLGAS

Mogilevoblgas Production Republican Unitary Enterprise is a division of Beltopgas SPA. The governmental managing authority for Mogilevoblgas is the Ministry of Energy of the Republic of Belarus.

The enterprise carries out the range of activities for gas services in the region, such as gas supply networks design and construction, gas delivery to the industrial, agricultural, public utility entities and households in Mogilev and Mogilev region, arrangement of safe operation of gas service systems and facilities.

Mogilevoblgas RUE also offers services in repair and operation of gas-consuming equipment, construction of gas supply systems in dwelling houses, liquefied gas storage.

There are several promising areas of activities of the enterprise:

- sale of liquefied gas as a motor fuel;
- conversion of motor vehicles to run on gas-based motor fuel;
- production of gas control stations, cabinet-type control stations and other equipment;
- liquefied gas storage at gas-filling stations.



UNP 700010367

With only fifty years of operation, Mogilevoblgas RUE is now a strong industrial complex comprising 21 divisions, a gas-filling station, an agricultural enterprise (a division of Shklov District Gas Service), a peat extraction and processing workshop (a division of Krichev District Gas Service), and subsidiary, SPMK Gasstroimontazh Republican Unitary Enterprise.

Mogilevoblgas RUE has appropriate material and technical basis for effective management in all these areas of activities.

Mogilevoblgas RUE operates 5754.98 km of gas pipelines, 323 gas control stations, 380 cabinet-type control stations and 821 protecting devices for electrochemical protection of buried steel gas pipelines against corrosion.

Development of the gas pipelines operated by the enterprise contributed to better supply of flats with natural gas, including conversion from liquefied gas to natural gas. As of today gas supply is provided in more than 470,000 flats; natural gas supply, in 306,600 flats, and liquefied gas supply, in 163,600 flats.

In accordance with its contractual obligations, Mogilevoblgas RUE provides natural gas supply to 552 industrial consumers and consumers having the same status, 666 non-industrial public utility enterprises and 92 agricultural consumers.

Mogilevoblgas RUE employs more than 2500 employees who ensure uninterrupted and trouble-free gas supply to consumers and operation in accordance with the prescribed characteristics.



Alexey Kushnarenko

Director General

Licenses, permissions and certificates:

- license for activities in industrial safety (design, installation, operation, adjustment, maintenance, repair and diagnostics);
- license for activities in automobile transport (urban, suburban, intercity and international transportation of passengers and cargo by motor vehicles);
- license for medical services;
- permission issued by the Department for Supervision of Safe Implementation of Works in Industry (Gospromnadzor), for making gas control stations, cabinet-type control stations and gas control units;
- calibration laboratory certificate (accreditation);
- electrophysical measurement laboratory certificate (accreditation);
- destructive and nondestructive test laboratory certificate (accreditation).



**11 Gabrovskaya St.,
212030 Mogilev**

Telephone / Fax:

(+375 222) 45-01-64

e-mail: admin@mogilev.gas.by

www.mogilev.gas.by



Yevgeny Yezersky

Director of SG-TRANS
Republican Unitary Enterprise

The enterprise provides forwarding services for arrangement of transportation of liquefied hydrocarbon gases by rail transport, both within the Belarusian market and beyond it. SG-TRANS RUE is among the organizations that hold dominating positions in commodities markets of the Republic of Belarus.

SG-TRANS RUE owns 966 tank cars for transportation of liquefied gas.

For the purpose of implementation of activities in accordance with its Articles of Incorporation, the enterprise obtained the license for maintenance of technical devices used at hazardous industrial facilities that involve operation of pressure equipment (1st group vessels).

The mission of SG-TRANS RUE is uninterrupted transportation of gas products from oil refineries, such as Naftan JSC, Polymir Plant, Mozyr Oil Refinery JSC, Belorusneft State Production Association Republican Unitary Enterprise (including Belarusian Gas Processing Plant), and delivery of full amounts of liquefied gases to the domestic market in Belarus.

The facilities operated by the enterprise allow to provide forwarding services for transportation of gases from the plants as scheduled and in full amounts to meet our contractual obligations.

Gas products are transported from the plants for the needs of gas service entities in the Republic of Belarus, for industrial gas consumers and for public utilities. Also, by virtue of contracts signed with residents and non-residents of the Republic of Belarus, SG-TRANS RUE provides forwarding services in transportation of gas products for export.

The enterprise utilizes latest technologies and equipment in its operations in order to be in line with the principles of scientific and technical progress.

Adherence to industrial and environmental safety in operation of the rolling stock is among the important principles of economic activities implemented by SG-TRANS RUE.

**13 Promyshlennaya St.,
211440 Novopolotsk**

**Telephone / Fax: (+375 214) 53-20-30 (Reception)
Telephone / Fax: (+375 214) 53-86-28 (Director)
E-mail: sgtrans@vitebsk.by**

Telephone: (+375 214) 53-20-30 (Novopolotsk Goods Transportation Workshop)

Telephone: (375 2363) 7-35-48 (Mozyr Goods Transportation Workshop)

Telephone: (375 2340) 2-30-17 (Rechitsa Goods Transportation Workshop)

REPUBLICAN UNITARY ENTERPRISE FOR

TRANSPORTATION AND DELIVERY OF LIQUEFIED PETROLEUM GASES

The Republican Unitary Enterprise for Transportation and Delivery of Liquefied Petroleum Gases (SG TRANS RUE) is a state-owned commercial organization.

The enterprise's staff is a team of professionals combining experience and wisdom of the older generations with activity and challenges of the youth.



OPEN JOINT-STOCK COMPANY

ZHITKOVICHI PEAT BRIQUETTE PLANT



Viktor Kupratsevich

Director

The decision to build Chervonoye peat processing plant (Zhitkovichskoye Republican Unitary Enterprise; now, Zhitkovichi TBZ Peat Briquette Plant JSC) was made by the Government of BSSR in 1967. Peat extraction was launched in 1971.

Zhitkovichi TBZ Peat Briquette Plant JSC fully satisfies own needs in raw materials for production of peat briquettes and thermal energy. The plant is also capable to deliver peat to agricultural enterprises and for firing as powdered fuel in boiler plants and mini-CHPs.

Due to the staff's professional skills, regular efforts in seeking ways to improve quality of products, reduce their costs, improve competitiveness and find new markets, the enterprise enjoys a stable demand for peat briquettes, both in the domestic market and abroad.

At present, Zhitkovichi Peat Briquette Plant sells its peat briquettes in 18 districts in Gomel region and in 8 districts in Vitebsk and Mogilev regions. The plant has a plan to start delivering peat and briquettes to CHPs and boiler plants which are now under construction or in design stages.

Since 1992, 35–40% of the products has been exported to Sweden. The Scandinavian party is interested in keeping partnership relations with Zhitkovichi Peat Briquette Plant, because the results of the survey have demonstrated that the plant's products are the best in Belarus in terms of heat value.



UNP 400050005

Chervonoye settlement, Zhitkovichi District, 247988 Gomel Region

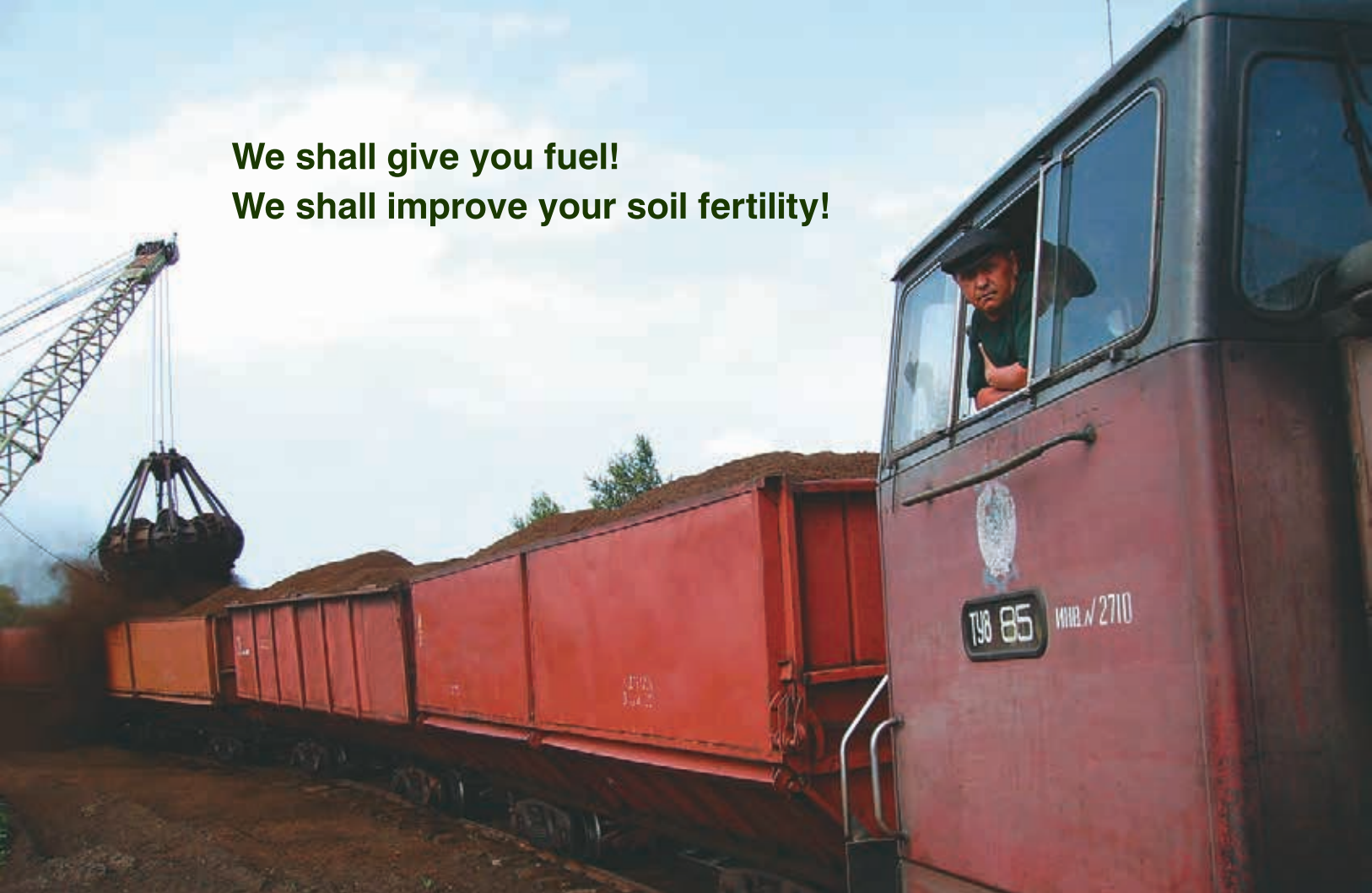
Telephones: (+375 2353) 9-86-01 (Director)

(+375 2353) 9-61-69 (Reception)

Telephone / fax: (+375 2353) 9-86-00

E-mail: tbz@mail.gomel.by; ruptbz@mail.ru.

**We shall give you fuel!
We shall improve your soil fertility!**



Principal activities of the enterprise:

- fuel peat extraction;
- peat extraction for composting;
- peat briquette production;
- planting soils production;
- thermal energy production.

All products made by the enterprise meet the specifications:

- peat for composting: STB 832-2001;
- milled fuel peat: STB 2062-2010;
- milled peat for briquette production: STB 917-2006;
- peat fuel briquettes: STB 1919-2008.



LIDA OPEN JOINT-STOCK COMPANY PEAT BRIQUETTE PLANT

For 57 years, Lida TBZ Peat Briquette Plant JSC has remained among the five largest enterprises in peat extraction and peat fuel briquette production.

Enterprise products:

- peat for composting: STB 832-2001;
- peat fuel briquettes (BT-1, BT-2, BT-6 grades): STB 1919-2008.

Peat fuel briquettes are an environmentally friendly type of fuel, non-toxic, fire- and explosion-safe under normal conditions, meeting the Sanitary Regulations and Norms (SanPiN).

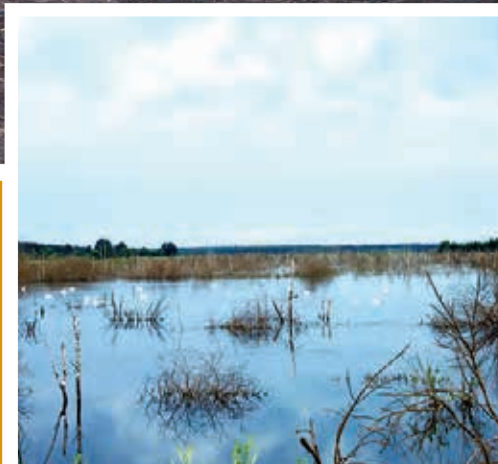
The enterprise sells its products both to the Belarusian and foreign customers.

The major buyers of fuel briquettes are fuel supply organizations (urban fuel supply authorities) in four Belarusian regions as well as foreign countries, such as Lithuania, Poland, Sweden, Germany, Finland, the Czech Republic.

Briquettes may be shipped by road or rail transport, in bulk or in packaging, such as polypropylene big bags or shrinkable film on pallets.

The enterprise has the certificate of conformity confirming that the quality management system for milled peat extraction and peat fuel briquettes production meets the requirements listed in STB ISO 9001-2009. The certificate of conformity is registered in the Registry, No. BY/112 05.01.013 03013.

The enterprise is ready to cooperate with any organization, including foreign ones, for manufacturing of products made of or based on peat.



UNP 50052004

3 Lenin St.,
Pervomaisky settlement,
Lida District,
231301 Grodno Region

Telephone / Fax: (+375 154) 59-15-00
(+375 154) 59-12-72
(+375 154) 59-13-23

e-mail: 252008@tut.by,
140781@tut.by
www.Lida-tbz.by



Ivan Zalesky

Director

Lida TBZ Peat Briquette Plant JSC has a license No.02300/0473249 for activities in industrial safety.

The works and services related to this type of activity include:

- Operation of jib-type self-propelled cranes.
- Operation of hazardous industrial facilities:
 - the briquette workshop, with the equipment operating at pressures over 0.07 MPa (4th group vessels);
 - the boiler plant that uses:
 - ~ hazardous substance (natural gas);

~ the equipment operating at pressures over 0.07 MPa (4th group vessels).

- Transportation of hazardous cargos grade 3 (such as gasoline and diesel fuel) in tank trucks.

Working with us, you obtain a reliable and stable partner capable to find an individual approach to each customer.



STAROBIN PEAT BRIQUETTE PLANT



Viktor Anikeenko

Director

Starobin TBZ Peat Briquette Plant JSC is among the oldest peat briquette makers in the Republic of Belarus.

Principal activities of the enterprise:

- milled peat extraction;
- fuel briquette production;
- thermal energy production;
- electrical energy production;
- freight transportation.

The major type of the products produced is fuel briquettes comprising 95% of the total amount of products.

The enterprise makes two types of peat briquettes: BT-2 grade for domestic market, and BT-1 grade for export.

Peat briquettes made by the enterprise are eagerly purchased by customers from various regions of Belarus and abroad.

Starobin TBZ Peat Briquette Plant JSC provides services for delivery of peat briquettes to customers, and sells peat for agriculture.

Starobin TBZ Peat Briquette Plant JSC has appropriate licensing documents for its activities. It has the license for activities in industrial safety and the license for activities in providing safety of legal entities and natural persons.

In February 2011, the certificates of conformity with international standards ISO 9001:2008 (quality management system), OHSAS 18001:2007 (occupational safety and labor protection management system), ISO 14001:2005 (environmental management system) were obtained.

Implementation of the international standards at the enterprise contributes to the development of the enterprise itself, to the improvement of quality of the products and environmental safety of production, and to the better conditions working.



**Starobin,
Soligorsk District,
223730 Minsk Region**

**Telephone / Fax:
(+375 174) 29-94-59 (Director)**

**Telephone / Fax:
(+ 375 174) 29-92-39 (Reception)**

**Telephone: (+ 375 174) 29-61-38
e-mail: tbz@yandex.by**



UNP 600028016

LYAKHOVICH PEAT BRIQUETTE PLANT

Lyakhovichi TBZ Peat Briquette Plant JSC is among the leading peat fuel briquette makers in the Republic of Belarus.

In terms of fuel briquette production volumes, the enterprise is the first among the peat industry enterprises in Brest region.

The major consumers of fuel briquettes are the urban and district fuel supply authorities in Lyakhovichi, Pinsk, Stolin, Drogichin, Ivanovo, Gantsevichi, Luninets, Pruzhany and several other districts, and organizations in Brest, Mogilev and Gomel regions.

Briquettes are sold to foreign customers in Lithuania, Poland, Sweden, Finland.



Mikhail Khamitsevich
Director

Enterprise activities:

- peat extraction;
- peat fuel briquette production;
- woodworking.

Advantages:

- stability;
- high quality;
- reasonable price;
- reliability.

The enterprise's products have a high quality and reasonable prices, and they are affordable.



Areas for cooperation::

- Geographical expansion of foreign markets for fuel briquettes.
Products can be delivered:
 - in bulk or in big bags, 450–480 kg or 900–1000 kg on FCA terms;
 - by rail in bulk (open cars, capacity of 56–60 tons), from Reitanov station to the Belarusian – Polish or Belarusian – Lithuanian bords.
- Search for investors to expand the range of manufactured products.
- Cooperation for introduction of new lines in production.

**Tukhovichi village, Lyakhovichi District,
225385 Brest Region**

Telephone: (+375 1633) 4-72-34 (Director)

Telephone: (+375 1633) 4-72-81 (Reception)

Telephone / Fax: (+375 1633) 4-70-20

e-mail: ytp@tut.by

www.briketi.by

UNP 200069282

OPEN JOINT-STOCK COMPANY

Usyazh Peat Briquette Plant



We are glad to cooperate with you!



TBZ Usyazh Peat Briquette Plant JSC is among the oldest briquette makers in Belarus. It was commissioned on June 27, 1952.

TBZ Usyazh Peat Briquette Plant JSC produces and sells:

- Peat products:
 - peat fuel briquettes;
 - peat fuel for CHPs and boiler plants;
 - milled peat for composting;
 - planting soils with peat as the main component.
- Tailored equipmen.



Pyotr Slesarchik
Director

Fuel briquettes are the main type of the products made by the enterprise. They comprise more than 65% of the total output. Briquettes are used as fuel for households, CHPs and boiler plants. Annual peat briquette output is more than 90,000 tons.

The plant has also introduced a new type of solid fuel – peat fuel for CHPs and boiler plants. The capacity of the line for producing this product is 120,000 tons a year.

Another area of activities is production of planting soils (with peat used as the main component), for landscaping. Quality characteristics of these soils meet the specifications listed in TU BY 600017380.001-2013.

Since the beginnig of its operations, the enterprise has been demonstrating stable financial characteristics and fulfilling its obligations in relation to its partners. The plant pays significant attention to the product quality improvement. The plant's testing laboratory uses up-to-date equipment; the laboratory is accredited in accordance with STB ISO/IEC 17025 to test various types of solid fuels.

TBZ Usyazh Peat Briquette Plant JSC delivers briquettes to Smolevichi, Logoisk, Borisov, Minsk, Volozhin, Molodechno, Dzerzhinsk, Cherven districts and to the city of Minsk; also, broad gage rail cars are used to deliver the products to Vitebsk, Orsha, Mogilev, Krichev and other locations.

Export comprises a significant part of the total sales of fuel briquettes. The enterprise has a wide experience of product deliveries to foreign countries, such as Sweden, Finland, Russia, Lithuania, Poland.

**16 Promyshlennaya St., Usyazh settlement,
Smolevichi District, 222212 Minsk Region**

Telephone / Fax: (+375 1776) 6-71-30 (Reception)

**Telephone / Fax: (+375 1776) 6-71-46 (Logistics and
Sales Department) (e-mail: oc.usiazh@tut.by)**

**Telephone: (+375 1776) 6-71-36 (Accounting
Department)**



ОТКРЫТОЕ АКЦИОНЕРНОЕ ОБЩЕСТВО
"ТБЗ Усяж"

e-mail: usiazh@tut.by

www.usiazh.by skype: Usiazh TBZ

UNP 600017380

DITVA OPEN JOINT-STOCK COMPANY **PEAT BRIQUETTE PLANT**

Ditva Peat Briquette Plant JSC is among the largest Belarusian enterprises in peat extraction and in production of fuel briquettes, charcoal and Biohumus fertilizers.

In 2010, the quality management system at Ditva Peat Briquette Plant JSC was certified for conformity with STB ISO 9001:2009. In the same year, the prize of Grodno Regional Executive Committee for achievements in quality was awarded to the enterprise.

In 2012 the environmental management system (in accordance with ISO 14001:2004) and the occupational health and safety management system (in accordance with OSHAS 18001:2007) were prepared and implemented at the enterprise.

Ditva Peat Briquette Plant JSC regularly seeks ways to improve the quality of the products, reduce their costs, improve competitiveness and find new markets.



UNP 500051993

**Reliability.
Quality.
Progress.
That's our promise
to our partners!**



Kazimir Bantsevich

Director

**3 Pervomaiskaya St.,
Ditva settlement,
Lida District, 231322 Grodno Region**

Telephone: (+375 154) 57-72-33 (Director)

**Telephone: (+375 154) 57-71-33 (Secretary;
e-mail: info@ditva.by)**

**Telephone: (+375 154) 57-74-59 (Marketing
Department; e-mail: market@ditva.by)**

Telephone / Fax: (+375 154) 57-77-05

www.ditva.by



Ditva Peat Briquette Plant JSC offers:

Fuel briquettes, BT-2 grade

Briquettes are an environmentally friendly type of fuel, non-toxic, fire- and explosion-safe under normal conditions, meeting the Sanitary Regulations and Norms (SanPiN).

Fuel briquettes, BT-2 grade, are used at public utilities and industrial facilities. They are made of milled peat.

Briquettes may be shipped in bulk or packed in big bags, 450-480 kg. They are delivered to the consumers in Grodno, Mogilev, Vitebsk and Gomel Regions and to the markets of Lithuania, Poland, Sweden, Slovakia and Germany.

Charcoal

Hardwood is used to prepare charcoal. Charcoal is used for cooking in on char-grills, BBQ grills, braziers, etc., and as fuel for ovens and fireplaces. It does not produce soot or carbon black when it burns, and reduces the time necessary for cooking.

Biohumus

Biohumus, natural organic fertilizer, is a highly effective fertilizer made of peat, manure and the set of fertilizers (potassium, nitrogen and phosphate fertilizers) used as basic materials. It is used to improve fertility of any type of soil, to raise humus level, to provide additional nutrition to flowers, and to raise yield of potatoes, vegetables, fruits and berries.

PEAT PRODUCT MANUFACTURING SERVICE

The peat processing enterprise was founded in 1966. It was intended to produce milled peat for CHPs being in operation in Belarus and for agriculture, and to produce fuel for households (fuel briquettes) in nearby urban settlements and in other districts and regions. At the end of 2007, the peat processing enterprise was reorganized by affiliation with the MINGAS Production Republican Unitary Enterprise as the division for peat extraction and peat product manufacturing; later, in 2011, it was reorganized into the Peat Product Manufacturing Service, the division of MINGAZ UE.



Nikolai Ageichik
Head

The primary activity of the Peat Product Manufacturing Service MINGAS UE, is peat extraction and peat briquette making.

The sources of raw materials for the enterprise are Gala-Kovalevskoye and Orekhovsky Mayak peat deposits in Pukhovichi district, Minsk region.

The Peat Product Manufacturing Service MINGAS UE, is staffed with team-oriented personnel and has a significant fleet of modern equipment making it capable to arrange peat extraction in due time and to provide uninterrupted delivery of peat-based products to the customers.

Enterprise products: *Peat for composting*

Peat characteristics

STB 832-2001	
Max. moisture content (w/w), %	60
Max. ash content, %	25
Max. content of debris and impurities (stumps, combings, wood chips larger than 60 mm), %	10

Product sales:

- packaging in accordance with customer's requests;
- delivery terms: FCA, DAF;
- negotiated price.





Fuel briquettes, BT-2 grade peat

Characteristic	Current characteristics	STB 1919-2008
Max. total moisture content (w/w), %	18	20
Max. ash content, %	16	23
Min. mechanical strength, %	94	94
Min. calculated available lower calorific value, kcal/kg	3700	3000
Max. specific activity of Caesium-137 radioactive nu-clides, Bq/kg	13,1±1.4	1220

Product sales:

- available delivery terms: DAF/railway (the state boundary of the Republic of Belarus), FCA/road or FCA/railway (customer's warehouse);
- product may be exported in polypropylene big bags;
- product may be exported in bulk;
- negotiated prices, depending on delivery terms and amounts.



We are ready to negotiate the terms and conditions for cooperation with you!



UNN 100308563

MINGAS Production Republican Unitary Enterprise (MINGAS UE) Industrial Production Development Department

**11 Botanicheskaya St., 220037 Minsk
Telephone: (+375 17) 299-28-83
(+375 17) 299-28-96
Fax: (+375 17) 299-28-84
(+375 17) 294-55-56
E-mail: mingas04@mail.ru**

Peat Product Manufacturing Service, MINGAS UE

**Pravdinsky Settlement, Pukhovichi District, 222839 Minsk Region
Telephone: (+375 1713) 62-451
(+375 1713) 62-452
Fax: (+375 1713) 62-100**

OSINTORF

Peat processing workshop of Belorusskaya State District Power Plant, a division of Vitebskenergo Republican Unitary Enterprise

In accordance with the Order of the Ministry of Energy dated June 29, 2007, No.199, "On Reorganization of Republican Unitary Enterprises", two peat processing enterprises were reassigned from Beltopgas State Production Association to Vitebskenergo Republican Unitary Enterprise: Usvizh-Buk Production Republican Unitary Peat Processing Enterprise and Osintorf Production Republican Unitary Peat Processing Enterprise. They were organized, respectively, as peat processing workshops operated by Orsha CHP and Belorusskaya SDPP operated by Vitebskenergo Republican Unitary Enterprise.

Osintorf peat processing workshop has 51 employees and operates an area of 312 hectares at Osinovskoe peat deposit. Usvizh-Buk peat processing workshop has 97 employees and operates the area of 401 hectares at Usvizh-Buk peat deposit.

The principal objectives of Osintorf and Usvizh-Buk peat processing workshops include provision of energy sources operated by Vitebskenergo Republican Unitary Enterprise and boiler plants of public utilities with milled fuel peat for firing as powdered fuel, delivery of lump peat for boiler plants and households, delivery of peat for composting in agriculture, production and sales of planting soils.



Principal consumers of milled fuel peat:

- Belorusskaya SDPP, a division of Vitebskenergo Republican Unitary Enterprise, Orekhovsk urban-type settlement, Orsha District: 24.0 tons a year;
- Baran mini-CHP, operated by Orsha CHP, division of Vitebskenergo Republican Unitary Enterprise, Baran town, Orsha district: 36.0 tons a year;
- boiler plants of Tolochin-Kommunalnik Public Utilities Unitary Enterprise, Tolochin town: up to 15,000 tons a year;
- boiler plants of Dubrovno-Kommunalnik Public Utilities Unitary Enterprise, Dubrovno town: up to 11,000 tons a year;
- other consumers: up to 3,000 tons a year.

Belorusskaya SDPP
Orekhovsk, Orsha District,
211026 Vitebsk Region

UNP 300000252

Telephone: (+375 2162) 7-09-01
Fax: (+375 2162) 7-05-37
e-mail: zamdir@bst.vitebsk.energo.by

USVIZH-BUK

Peat extraction and transportation workshop of Orsha CHP, a division of Vitebskenergo Republican Unitary Enterprise

Principal consumers of lump peat:

- boiler plants of Dubrovno-Kommunalnik Public Utilities Unitary Enterprise, Dubrovno town;
- boiler plants of Tolochin-Kommunalnik Public Utilities Unitary Enterprise, Tolochin town;
- divisions of Vitebskobtoplivo (Vitebsk Regional Fuel Service) Regional Unitary Enterprise;
- divisions of Vitebskenergo Republican Unitary Enterprise;
- other consumers;
- households;
- export.

In 2013 peat extraction amount in Vitebskenergo Republican Unitary Enterprise was 74,700 tons; in 2014, it will be 80,000 tons, from 2015 it will be 90,000 tons.



Osintorf peat processing workshop uses the peat extraction complex manufactured by SU-OKONE OY, Finland, with three MERI PK-1SR peat spreaders, to extract lump peat. Peat produced by Osintorf demonstrates low ash content (1.8–6.0%), high quality and good potential for export. It can be used for fuel preparation (up to 6% ash content) and in chemical industry (up to 2% ash content).

Vitebskenergo Republican Unitary Enterprise has created the complete production cycle, from fuel production (peat extraction) to sales of thermal and electrical energy for final consumers, with minimum costs at each stage.

Vitebskenergo Republican Unitary Enterprise arranges peat extraction fields and installs new equipment in peat processing workshops in order to increase the amounts of consumption of locally-available fuels and to provide the amounts of peat necessary to satisfy the needs, first of all, of own energy sources and boiler plants of public utilities.

Orsha CHP
1 Yuzhnaya St., Orsha,
211030 Vitebsk Region

UNP 300000252

Telephone: (+375 2162) 3-49-57
Fax: (+375 2162) 3-48-74
e-mail: ost@vitebsk.energo.by

PEAT EXTRACTION AND PROCESSING FACILITIES OPERATED BY VITEBSKOB LGAS UNITARY ENTERPRISE



In accordance with the Order of the Ministry of Energy of the Republic of Belarus, No.199 dated June 29, 2007, Vitebskoblgas Unitary Enterprise was reorganized by affiliation of three peat processing enterprises with it:

- ◆ Vitebskoye Unitary Enterprise, Dokshytsy district;
- ◆ Pervoye Maya Production Republican Unitary Peat Processing Enterprise, Chashniki district;
- ◆ Production Republican Unitary Peat Processing Enterprise named after Dauman, Shumilino district.



Within the scope of this reorganization, these enterprises were rearranged as peat extraction and processing productions operated by gas service divisions of Vitebskoblgas Unitary Enterprise: Dokshytsyraigas District Production Directorate, Lukomlraigas District Production Directorate and Polotskogas Production Directorate, respectively.

Since the time when the peat processing enterprises were affiliated with it, Vitebskoblgas Unitary Enterprise has conducted large-scale activities to modernize these enterprises, including construction of new peat processing workshop and repair of the existing ones, renewal of peat extraction equipment, allocation and arrangement of new peat extraction fields. The goals of these activities are to increase the amounts of peat extraction, peat product output and sales and, as a result, to ensure economically-effective operation of the peat processing facilities.

In 2010, a new up-to-date workshop for planting soil production and high-moor peat baling was commissioned in Krulevshchina agricultural town, Dokshytsy district, with the capacity of 38,000 tons a year. High-tech equipment is used to produce more than 50 recipes of Vitebsk planting soils. Every soil produced is available in 5-, 10-, 20-, 55-, 100-, 250- and 300-litre packages. Annually, more than 70% of the peat products are exported abroad.

Due to the activities in arranging new extraction fields and resuming extraction in the fields that were in use earlier, the enterprise extracts 75-85 tons of peat annually. In 2013, 81,000 tons of peat were extracted, 71,500 tons of peat products were sold, including 48,000 tons exported. The products of peat extraction and processing facilities operated by Vitebskoblgas Unitary Enterprise are successfully sold in Belarus and exported to Russia, Ukraine, Kazakhstan, the Baltic States, Turkey, etc.



Taking into consideration the results of the modernization, peat extraction and processing facilities were redirected predominantly towards production of planting soils and high-moor bale peat.

Vitebskoblgas Unitary Enterprise is now among the largest users of subsurface resources in the Republic of Belarus. It operates 5 peat deposits, with the total area of 1000 hectares, containing more than 2.7 million tons of peat. The largest deposits are Zhuravlevskoye (Dokshytsy district) and Siden (Shumilino district) distinguished by high quality of peat with low level of decomposition, with is highly appreciated by specialists in gardening and agronomy.

Dokshytsy District,
211716 Vitebsk Region,
Krulevshchina agricultural town
Telephone: (+375 2157) 3-55-60
Fax: (+375 2157) 3-55-61

9 Mira St.,
Oktyabrsky settlement,
Chashniki District,
211147 Vitebsk Region
Telephone: (+375 2133) 2-54-45

Obol settlement,
Shumilino District,
211266 Vitebsk Region
Telephone/Fax:
(+375 2130) 3-64-46

www.torf.by

UNP 300002084



**CONSTRUCTION
AND INSTALLATION
COMPLEX**

Open Joint-Stock Company
BELGASSTROI

Belgasstroi JSC (Belarusian Gas Construction Service) was founded in 1997. The enterprise has 10 subsidiaries: Stolbtsygasstroi LLC (Stolbtsy Gas Construction Service), Vitebskgasstroi Unitary Enterprise (Vitebsk Gas Construction Service), Borisovgasstroi LLC (Borisov Gas Construction Service), Gasstroi LLC (Gas Construction Service), Belspetsmontazh LLC (Belarusian Special Installation Service), Polotskgasstroi Unitary Enterprise (Polotsk Gas Construction Service), Osipovichigasstroi LLC (Osipovichi Gas Construction Service), Bobruiskgasstroi LLC (Bobruisk Gas Construction Service), Spetsgasstroi Production LLC (Special Gas Construction Service), Belgasnaladka LLC (Belarusian Gas Adjustment Service). In pursuance of intergovernmental agreements, the enterprise with joint capital Venesuelagasstroi was registered in the territory of the Bolivarian Republic of Venezuela in June 2011.



Vladimir Yegorov
 Director General

The enterprise carries out the following activities:

- construction and installation of pipelines, heat pipelines, water supply and sewerage networks, ventilation systems;
- adjustment and commissioning procedures at utility networks and facilities;
- production of pre-insulated pipes for heat pipelines;
- welded joints quality control;
- anticorrosion insulation at pipelines;
- diagnostic procedures for boilers and pressure vessels;
- mechanical tests of specimens;
- certification of welders.

Accreditation documents, certificates and licenses:

- Certificate of conformity with STB ISO 9001-2009, No. BY/112 05.01. 022 00602, valid until December 23, 2014;
- Certificate of accreditation of Belgasstroi JSC Central Laboratory in accordance with STB ISO/IEC 17025, No. BY/112 02.2.0.3625 dated 07 April 2009, valid until July 30, 2017;
- Certificate of conformity with STB 18001-2009, No. BY/112 05.04. 080 00201 valid until June 18, 2015;
- Special Permission (License) No. 02300/375-4 for activities in use of nuclear power and ionizing radiation sources, valid until December 02, 2014;
- Special Permission (License) No. 02300/1682-1 for activities in industrial safety, valid until December 02, 2014.



Belgasstroi JSC has an accredited central laboratory that controls quality of welded joints and anticorrosion insulations of pipelines and carries out diagnostic procedures for boilers, pressure vessels, tanks for petroleum and petroleum products.



4 Sovetskaya St., 220050 Minsk
 Telephone: (+375 17) 200-71-17 (Reception)
 (+375 17) 200-71-88
 Telephone / Fax: (+375 17) 200-24-27
 e-mail: belgazst@mail.belpak.by



UNP 101218845

Open Joint-Stock Company
BELKOTLOOCHISTKA

Belkotloochistka JSC (Belarusian Boiler Cleaning Service) is the specialized enterprise for cleaning thermal energy equipment and process equipment from various contaminants. The services offered by the enterprise include:

- mechanical removal of ashes and slag from boiler units;
- mechanical and chemical removal of scale and crust from inner surfaces of heating elements of boiler units;
- hydrodynamic and mechanical cleaning of boilers and other heat-exchanging equipment;
- mechanical removal of various residues and contaminants (sandblast cleaning) from special-purpose process equipment;
- quantitative and qualitative chemical analysis of components of residues;
- development and application of technologies and procedures for chemical removal of residues from boilers (including all types and various pressures) and from various heat-exchanging equipment;
- fuel oil storage tank cleaning;
- removal of residues from pipelines;
- industrial diving;
- other works for cleaning equipment and facilities of thermal power plants and boiler plants;
- electrical equipment installation works.



Mikhail Chikilev
 Executive Director

The organizational structure of Belkotloochistka JSC consists of 10 production units located at large thermal power plants of the Republic of Belarus as well as a mobile production unit. Such structure allows the company to cover fully the national market using the wide network of local units and the mobile production unit which was founded to perform works at remote industrial facilities.

Belkotloochistka JSC has the work experience as a general contractor for providing services of processing bottom residues of fuel oil storage tanks and for diagnostic procedures of vessels and boilers.

The goals of the technical policy implemented by the enterprise are to improve regularly the personnel's skills, to seek new and to improve the existing cleaning technologies, to apply new reagents and metal corrosion inhibitors for chemical flushing.

The works for thermal energy equipment cleaning are carried out in accordance with the license No. 02300/0561182, issued by the Department for Supervision of Safe Implementation of Works in Industry (Gospromnadzor) of the Ministry for Emergency Situations of the Republic of Belarus, for activities in industrial safety.

The quality management system for services in thermal energy equipment cleaning is certified in conformity with ISO 9001:2008.



Our long-term experience of providing equipment cleaning in the energy sector will make us your reliable partner in solving your equipment cleaning needs.

22a Aranskaya St.,
 220033 Minsk
 Telephone / Fax: (+375 17) 298-27-57
 (+375 17) 327-66-03
 e-mail: belkotel@mail.ru
 www.kotel.by

UNP 100071353

OPEN JOINT-STOCK COMPANY

BELSELECTROSETSTROI



Nikolai Anishchik

Director General

Belselectrosetstroi JSC (Belarusian Rural Electric Network Construction Service) is a multi-service enterprise with more than 80 years of experience in electrification of agricultural, industrial and public utility facilities.

Principal activities of the enterprise:

- design, construction and installation of power transmission lines (0.38–110 kV), including overhead, cable and combined lines, and transformer substations, 10/0.4 kV–35–110/10 kV;
- adjustment procedures and indoors electrical equipment installation.



Due to its experience, Belselectrosetstroi JSC managed to create strong industrial structures to resolve the tasks of electrification in the national economy of the Republic of Belarus in a comprehensive manner. Virtually all reinforced-concrete and metallic structures, electrical equipment and devices, and cable products delivered to the construction sites are made by Belselectrosetstroi JSC at own subsidiary enterprises of the construction industry.



80 years of experience in electrification!

Belselectrosetstroi JSC comprises:

- eight construction and installation organizations staffed with highly experienced engineers and specialists in installation of electric power transmission lines, with necessary construction equipment, in all regional center cities of the Republic of Belarus;
- three factories operating as the enterprise's branches: Energodetal (Energy Components), Factory Energo-oborudovanie (Energy Equipment) and Factory Energokonstruktsiya (Energy Structures) Factory which provide construction sites with electrical equipment and devices, cable products, self-supporting insulated wires for power transmission lines, structures made of reinforced concrete and metal, joinery, and making a wide range of consumer goods;
- Manufacturing and Procurement Division which produces accessories for overhead lines with insulated wires (0.38 kV) and overhead lines with coated wires (10 kV), street lights (yellow, console-type) with mirror-type sodium vapor lamps, and operates own manufacturing department to make post insulators and base insulators, 0.4–10 kV;
- Manufacturing and Procurement Directorate;
- Comprehensive Design Department.

Belselectrosetstroi JSC closely cooperates with foreign partners in design and application of up-to-date technologies and manufacturing procedures for improvement of quality and reliability of construction and industrial manufacturing.

The enterprise has designed and certified the quality management system which meets the ISO 9001:2000 requirements.

All the products made by the manufacturing facilities operated by Belselectrosetstroi JSC carry the certificates of conformity.



3 Sukhaya St., 220004 Minsk
Telephone / Fax: (+ 375 17) 226-66-47
e-mail: bsess-to@yandex.ru
www.bsess.by

UNP 100120777



CLOSED JOINT-STOCK COMPANY

BELSPETSENERGO



Vladimir Metelsky
Director General

Belspetsenergo CJSC (Belarusian Special Energy Service) is a specialized multi-service repair and construction enterprise assigned by Belenergo State Production Enterprise as the directing organization for inspection and repair of chimneys, cooling towers, flue ducts, and capable to carry out a complete range of works, from inspections of buildings and structures for their technical condition assessment and working out of design documents to sophisticated repairs and construction works on a turnkey basis.

The organization comprises 12 production divisions located in largest Belarusian cities.

The projects implemented by Belspetsenergo CJSC include reconstruction of chimneys at the Belarusian energy facilities: Mogilev CHP-2, Novopolotsk CHP, Svetlogorsk CHP, Bobruisk CHP-2, Beryozovskaya SDPP, and at power plants in Russia: Bryansk SDPP, Samara CHP, Klinty CHP, and reconstruction of cooling towers at Minsk CHP-3, Minsk CHP-4, Bobruisk CHP-2, Gomel CHP-2.




Principal activities:

- construction of buildings and structures;
- repair and reconstruction of buildings, chimneys, cooling towers, flue ducts and other structures;
- installation of metal chimneys and other high-rise structures;
- facade repair and thermal insulation, roof repair;
- complete range of finishing works;
- special works:
 - masonry works;
 - insulation of pipelines and equipment;
 - acid resistant rubber lining and coating of structures;
 - corrosion protection;
 - rubber coating;
 - fireproofing of metal, wood structures and cable products;
- surveys, geodetic and design activities.



**40+ years in the market
of construction services!**



Belspetsenergo CJSC has a license for fire protection works and certificates for repair and construction works carried out by the enterprise.

Since 2003 the enterprise has been operating with the quality maintenance system in accordance with the requirements listed in ISO 9001 in construction, reconstruction and repair of industrial and civil high-rise structures and facilities, design and inspection of technical condition of buildings and structures, geodetic works. The enterprise has successfully passed three recertifications, confirming the chosen direction towards improvement of quality of provided works.

In 2008 the enterprise also implemented and certified the occupational safety management system.

**Belspetsenergo CJSC is always open
for cooperation and ready to offer
partners assistance in solving problems
in construction and repair of buildings
and structures.**



We offer comprehensive solutions.



6 Fabrichnaya St., 220033 Minsk
Telephone / Fax: (+375 17) 223-90-37
(+375 17) 285-06-30
e-mail: vysota@belspecenergo.by
www.belspecenergo.by

UNP 100069059



OPEN JOINT-STOCK COMPANY

Belelectromontazhnaladka

ENERGY OF CREATIVITY CONFIDENCE OF EXPERIENCE



Sergei Alekhnovich
Director

Belelectromontazhnaladka JSC (Belarusian Electrical Equipment Installation and Adjustment Service) is a parent multi-service installation and adjustment company with own design and manufacturing divisions allowing to carry out a complete range of works at power plants and substations: design, equipment delivery, installation, and adjustment of electrical equipment, instrumentation and automatic process control systems.

For more than 50 years the specialists of Belelectromontazhnaladka JSC have been working at the facilities of the Belarusian energy system, providing the customers with a complete range of works at energy facilities under reconstruction and at new energy facilities, and have been carrying out design, installation, adjustment and commissioning works in the following areas:

- radio and electronic equipment, instrumentation, high-frequency communications, remote control;
- electric drives for shutoff and control valves;
- measurement systems and automatic regulation systems, logical and regulating controllers, automated energy metering systems;
- equipment for substations and transformers of any classes of voltages, up to 750 kV;
- all types of microprocessor-based equipment;
- modernization of switchgear cubicles (retrofitting), with oil circuit breakers replaced by various types of vacuum circuit breakers, and electrical mechanical protecting devices replaced by microprocessor devices.

50 years in the energy industry!



The products manufactured by the enterprise include:

- cubicletype switchgear: cabinets, KRU 6–10 kV, for 630–4000 A currents and 8–40 kA breaking currents (the certificate of conformity of the Russian Federation, No. ROSS BY.AV28.V04042; ROSS BY AG75.N02385);
- assembled single-end service chambers, KSO-1-BEMN, with vacuum load-break switches, 10 kV, for 400 A and 630 A currents;
- vacuum circuit breakers, 10 kV, VV-BEMN type, for 800–2500 A rated currents and 20–31.5 kA rated breaking currents (VV-BEMN circuit breaker is similar to Siemens SI-ON 3AE11 power vacuum circuit breaker);
- DC boards, small-size control current cabinets, auxiliaries boards, auxiliaries switchgear, 0.4 kV, panels, switchboards for indoor and outdoor installation;
- microprocessor terminals of relay protection and automatic equipment (MR series), frequency changers (MFC710) for controlled electric drives, arc protection terminals for cubicle-type switchgear equipment in line replaceable units.

Belelectromontazhnaladka JSC has the licenses of the Republic of Belarus and international quality management certificates (CQS and IQNet) necessary for the works carried out by the enterprise. The quality management system and the occupational safety management system meet the requirements of the international standards, EN ISO 9001:2008 and BZOHSAS18001:2007 respectively.

Belelectromontazhnaladka JSC is a member of Interelectronaladka CJSC.

105a Plekhanov St., 220101 Minsk
Telephone: (+375 17) 368-09-05 (Reception)
Fax: (+375 17) 367-43-19
e-mail: bemn@bemn.by
www.bemn.by

UNP 100101011



Open Joint-Stock Company

**BEL
ENERGO
AVTOMATICA**

Belenergoavtomatika JSC (Belarusian Energy Automation Service) carries out construction, installation and adjustment works in all integrated energy systems in the Republic of Belarus.

Since the start of its operation in 1971, the enterprise carried out large-scale construction works at Minsk CHP-3, Lukomlskaya SDPP, Novopolotsk CHP, Svetlogorsk CHP and many other facilities. Thermal control devices and automatic equipment have been reconstructed at several dozens of power-generating boilers, hot water boilers, turbine generators, water treatment sections and other facilities.

The enterprise comprises 4 production departments: in Minsk, Mogilev, Novolukoml and Novopolotsk.



Sergei Baturchik
Director

Principal activities:

- ◆ construction, installation and repair works with automation systems and electrical equipment used for energy-related, industrial and domestic purposes;
- ◆ adjustment of automation systems and electrical equipment;
- ◆ repair, adjustment, diagnostics and calibration of instrumentation for vibration and mechanical characteristics control;
- ◆ maintenance of systems used for commercial metering and control of thermal energy resources;
- ◆ maintenance of electrical equipment and automation systems.

The enterprise has the following permissions and certificates:

- Special Permission (License) issued by the Department for Supervision of Safe Implementation of Works in Industry (Gospromnadzor) dated May 22, 2006, No.02300/451-1 (valid until May 21, 2016), for activities in industrial safety;
- Certificate of Technical Competence issued by Belstroicenter Republican Unitary Enterprise dated July 18, 2011, No.37611520.045-2011 (valid until June 22, 2014);
- Certificate of Conformity dated January 13, 2011, No.BY/112 04.18.003 08836 (valid until January 03, 2016), confirming that the instrumentation repair carried out by the enterprise meets the requirements listed in STB 8031-2007.



20 Omelyanyuk St.,
220021 Minsk
Telephone: (+375 17) 246-17-23
(Reception)
Fax: (+375 17) 243-37-60
e-mail: belenavt@tut.by
www.bea.by

UNP 100064414



Open Joint-Stock Company

BELENERGOZASHCHITA

Belenergozashchita JSC (Belarusian Energy Equipment Protection Service) is among the leading enterprises in thermal insulation, brickwork and anticorrosion works carried out for the energy industry, other industries and other branches of the national economy.

Principal activities:

- ◆ thermal insulation of equipment and pipelines at industrial facilities, thermal power plants, heat networks, industrial boiler plants, facilities for dwelling services and public utilities;
- ◆ anticorrosion protection of equipment, pipelines and building structures, such as paint, varnish and other coatings, acid-resistant lining on floors, foundations, channels and other building structures, application of raw rubber coating on equipment and pipelines followed by rubber vulcanization;
- ◆ sound insulation of outdoor natural gas pipelines at thermal power plants and equipment and pipelines at compressor plants;
- ◆ fire-resistant masonry works at boiler units;
- ◆ technical diagnostic procedures for thermal insulation and preparation of technical certificates;
- ◆ working out of design documentation.



Yuri Leonov
Director

The enterprise comprises 14 divisions and installation sites in the Republic of Belarus. The enterprise has premises, equipment, tools and vehicles necessary for its activities. The quality control of all the works carried out by the enterprise is conducted by a special department which has all the necessary measuring tools.

Belenergozashchita JSC has the permission necessary for the types of work carried out by the enterprise.

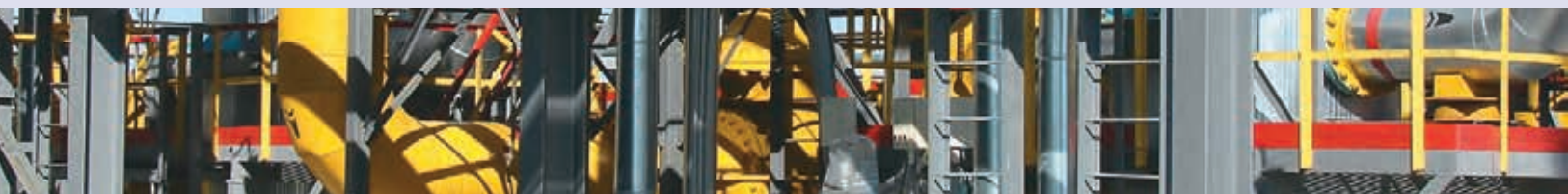
The enterprise maintains the quality management system and the occupational safety management system, meeting the international standards, ISO 9001:2008 and OHSAS 18001:2007. Since 2012, Belenergozashchita JSC has been a member of SpetsStroiReconstructsiya (Special Construction and Reconstruction), a self-regulating organization in the Russian Federation.



Due to highly professional skills of the specialists, the enterprise is capable to carry out works with high quality and on the due date, resulting in success both in the domestic and foreign markets.

7 Bekhterev Lane, 220021 Minsk
Telephone: (+375 17) 295-20-11
Fax: (+375 17) 296-53-05
e-mail: bez_minsk@tut.by

UNP 100098854





OPEN JOINT-STOCK COMPANY

BELENERGOREMNALADKA

Belenergoremnaladka JSC (Belarusian Energy Equipment Repair and Adjustment Service) is

- the largest organization in the Republic of Belarus specialized in repair, installation and adjustment of equipment for energy facilities;
- a member of Soyuzatomstroi (Union Nuclear Construction) a self-regulating organization (Moscow, the Russian Federation);
- a parent organization in the Republic of Belarus for repair of steam boilers, hot water boilers, steam pipelines and hot water pipeline (all categories), comprising seven accredited laboratories as its divisions;
- the leading organization in training and certification of personnel for the Belarusian Energy System in welding and nondestructive inspection of welded joints;
- a fair participant of foreign economic activities, with the experience of work in more than 20 countries;
- a manufacturer of equipment and metal structures meeting the requirements of the European standards and directives, with the right to use CE mark;
- a designer of advanced technologies, many of which are unique for the energy industry in the Republic of Belarus.



Vasily Khomenko
Director General



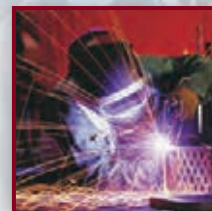
Belenergoremnaladka JSC has a great experience of work not only at the energy industry facilities in Belarus but also abroad. The enterprise's personnel took participated actively in construction, reconstruction and repair of energy equipment at various energy industry facilities in more than 20 countries, such as Russia, Ukraine, Estonia, Lithuania, Poland, Bulgaria, Libya, Benin, Nigeria, Egypt, Syria, Iraq, Iran, India, Kazakhstan, Mongolia, Cuba, Greece, Finland.





Principal products, works and services:

- installation, launch, adjustment, tests and commissioning of energy equipment at the facilities of the energy industry and other industries;
- major repair, reconstruction and modernization of energy equipment, including working out of related designs;
- development of new solutions in technologies and design which allow to improve economic parameters and to make the energy equipment operation more reliable;
- design of automated monitoring and control systems for various processes, and installation on turnkey basis;
- manufacturing of electrical equipment, energy equipment, related units and parts;
- energy equipment diagnostics, including metal condition tests;
- environmental waste rationing, preparation of environmental data sheets for enterprises and industrial waste handling instructions;
- working out of operating documents (instructions, drawings) and customer's operating personnel training on site;
- training and certification of welders.



Belenergoremnaladka JSC has all the necessary permitting documents confirming its competence in the Republic of Belarus, the Russian Federation and the EU countries.

The quality management system and occupational safety system meeting the requirements set by the international standards, ISO 9000:2008 and OHSAS 18001:2007, are applied for design, construction, installation, repair and adjustment works and for manufacturing the equipment and spare parts for the facilities in the energy industry and other industries.

18 Akademicheskaya St., 220012 Minsk
Telephone: (+375 17) 293-53-59 (Reception)
Fax: (+375 17) 290-95-30
e-mail: mail@bern.by
www.bern.by

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***Our products are reliability,
quality and cost-effectiveness
in energy equipment operation!***

Open Joint-Stock Company

BELENERGOSVYAZ

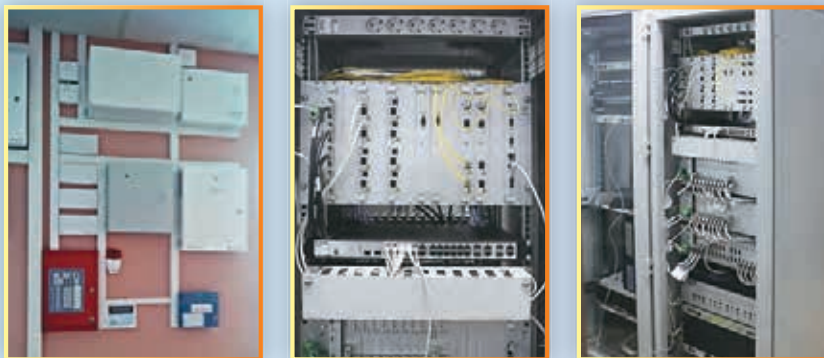
Belenergosvyaz JSC (Belarusian Energy Communication Service) is an enterprise specialized in design, construction, installation, repair, adjustment and commissioning works covering various telecommunication systems, automatic fire protection equipment systems, alarm systems and electric power supply systems for the facilities in the energy industry and other industries.

Belenergosvyaz JSC operates own facilities for manufacturing and sale of computer and server equipment of any configuration.

The enterprise comprises the following divisions: Center for Project Works, Minsk Construction and Installation Division, Vitebsk Construction and Installation Division, Drogichin Construction and Installation Division, Mogilev Maintenance Center, Information Technologies Department.



Alexander Shtytko
Director



Principal business activities:

- installation and adjustment of multiplexing systems, automatic telephone exchange stations, telephone communication systems, LANs;
- implementation of a wide range of works in construction, installation and adjustment of directing systems and fiber-optic communication line equipment (synchronous and plesiochronous digital hierarchy) for master line and zone levels;
- design, installation and adjustment of fire-fighting systems, fire alarm and fire alert systems, intrusion alarm systems, access control and CCTV systems;
- installation of electric power supply and electric lighting systems, indoor plumbing systems;
- own facilities for manufacturing and sales of personal computers and servers;
- services in construction machinery and special-purpose equipment leasing, freighting services.

In its activities, Belenergosvyaz JSC finds mutually beneficial solutions together with its customers, guarantees high professionalism, carries out works with reasonable costs, and provides service and repair for any systems irrespective of their complexity.

Examples of the projects carried out by Belenergosvyaz JSC:

- installation and adjustment of control and alarm systems, LANs, local automatic telephone exchange stations, outdoor communication networks, intrusion and fire alarm systems at the industrial facilities of the Belarusian NPP;
- installation and adjustment of fiber-optic communication lines and multiplexing systems for Minsk CHP-5, Minskenergo Republican Unitary Enterprise, Belorusskaya substation (750 kV), Minsk-Vostochnaya substation (330 kV), Borisov substation (330 kV), Kolyadichi substation (330 kV), Minsk CHP-4;
- range of works for reconstruction of communication systems and networks at Minsk CHP-2;
- installation and adjustment of fire alarm systems, process-related and security-related CCTV systems at Minsk CHP-3.

Belenergosvyaz JSC has the necessary permitting documents (licenses and certificates) for all the services offered by the company. The quality management system meets ISO 9001:2008 in terms of design and construction of indoor utilities, data transmission systems, security systems for buildings and structures, and outdoor utilities.

45 Montazhnikov St., 220019 Minsk
Telephone / Fax: (+ 375 17) 327-35-41
e-mail: info@besv.by
www.besv.by

UNP 100135648



REPUBLICAN UNITARY ENTERPRISE
BELENERGOSTROI

For more than 50 years Belenergostroi Republican Unitary Enterprise (Belarusian Energy Construction Service) has been a leading energy construction complex in Belarus comprising various construction, installation and specialized enterprises whose primary objective is to build large and small energy industry facilities.

The enterprise has extensive production facilities, including a plant for producing reinforced concrete components, metal structures production facilities, concrete batch plants, etc. The enterprise has a large fleet of construction equipment such as excavators (with the bucket capacity of 0.5...1.5 m³); bulldozers; tower, crawler-mounted, mobile, gantry, rubber-tire cranes with the lifting capacity ranging from 14 to 100 tons. The enterprise comprises 9 divisions in all regions of Belarus. The enterprise employs about 3,000 people.

Since 1958 Belenergostroi Republican Unitary Enterprise has built and reconstructed virtually all thermal power plants and many other energy industry facilities currently in operation in Belarus, such as Beryozovskaya SDPP, Lukoml'skaya SDPP, Novopolotsk CHP, Mogilev CHP, Bobruisk CHP, Grodno CHP, Gomel CHP, Minsk CHP-3, Minsk CHP-4, Minsk CHP-5, urban and district boiler plants with related infrastructure and other facilities.

Belenergostroi specialists took part in construction of Kalinin NPP and Smolensk NPP in Russia and energy industry facilities in Iran, Iraq, Greece, Mongolia, Syria and Cuba.

The enterprise is now reconstructing Beryozovskaya SDPP, Minsk CHP-5, and constructing the Belarusian NPP.

The total installed capacity of the energy industry facilities constructed and commissioned by Belenergostroi Republican Unitary Enterprise is more than 8000 MW.

The enterprise maintains the quality management system in accordance with ISO 9001:2008 and the occupational safety system based on the requirements listed in OHSAS 18001:2007.



Stanislav Shimul
Director General

Principal business activities:

- construction (building, installation and special works):
 - all types of power plants: thermal, nuclear, wind-driven, geothermal, hydroelectric;
 - all types of turbine generator plants: steam turbine, gas turbine and combined-cycle gas turbine plants;
 - gas compressor and gas distribution stations;
 - hot water boiler plants and steam boiler plants;
 - administrative and residential buildings;
 - facilities for social and cultural purposes, service facilities;
 - utilities network;
- reconstruction and repair works at existing buildings and structures;
- manufacturing of structures and construction items;
- delivery of equipment for construction of various facilities.

The technical, intellectual and organizational potential of personnel and 50 years of experience allow of Belenergostroi Republican Unitary Enterprise to implement projects of any complexity.



19 Chicherin St., 220029 Minsk
Telephone: (+375 17) 293-46-80 (Reception)
Fax: (+375 17) 293-44-90
e-mail: rupbest@rupbest.by
www.rupbest.by

UNP 100056165



Gomelgasstroj

Gomelgasstroj JSC (Gomel Gas Construction Service) is a construction organization of Beltopgas State Production Association, providing services for construction and design of gas supply systems for indoor and outdoor gas pipelines used to deliver gas to households and industrial facilities. The enterprise was founded in 1966.

Principal business activities:

- ◆ installation of indoor utilities in buildings and structures (indoor gas supply systems);
- ◆ construction of bases and foundations for buildings and structures (foundations on natural soil footings);
- ◆ installation of outdoor networks and structures (such as gas pipelines, heat networks, water supply and sewerage systems);
- ◆ anticorrosion coating of elements of buildings and structures (coatings made of paint, varnish, mastic, putty or poured polymers);
- ◆ installation of steel structures (pre-assembling of structural elements; bolted assembling and fastening of on-site connections between the structural elements, without prestressing force; doweled assembling of on-site connections between the structural elements; columns and supports, trusses, crossbars, beams and purlins);
- ◆ installation of precast concrete and reinforced concrete structures (walls in substructures of buildings).

All these types of works are certified in accordance with TR 2009/013/BY Technical Regulation.

In 2009 the enterprise successfully implemented the certified integrated management system meeting the standards of the quality management system (STB ISO 9001-2009) and the occupational safety management system (STB 18001-2009), re-certified in 2012, valid until March 02, 2015.

Gomelgasstroj JSC operates the accredited laboratory for nondestructive tests of welded joints (Accreditation No. BY/112.02.2.0.0662 dated October 12, 1998, valid until October 21, 2016); also, the enterprise has appropriate permission and technical capabilities to carry out mechanical tests (tensile and bending tests for specimens of welded joints).



Yuri Spivak
Director



1 Geofizikov Proezd, 246020 Gomel
Telephone: (+375 0232) 42-34-02 (Reception)
Fax: (+375 0232) 42-13-03
e-mail: gomelgazstroy@mail.by
gomelgazstroy_pto@tut.by

UNP 400230107



GRODNOGASSTROYIZOLYATSIYA

Open Joint-Stock Company

Grodnogasstroyizolyatsiya JSC (Grodno Gas Construction and Insulation Service) is the largest Belarusian manufacturer of pre-insulated and thermally pre-insulated pipes used in petroleum and gas pipelines, water and heat supply mains, utility pipelines.

Grodnogasstroyizolyatsiya JSC carries out construction and installation works at the facilities of gas and heat supply systems, builds utility systems, and designs the facilities of gas distributions, gas consumption and heat supply systems.

In accordance with the legislation of the Republic of Belarus, Grodnogasstroyizolyatsiya JSC is listed in the Register of Manufacturers of Goods (Works, Services), No. R-2918-2013.



Dmitri Khilko
Director

Principal business activities:

- ◆ Manufacturing (permission, issued by the Department for Supervision of Safe Implementation of Works in Industry (Gospromnadzor) No.08-795-2014):
 - pre-insulated steel pipes, with the diameter of 32–1020 mm, with extruded polyethylene-based outer double-layer protecting coating (TU BY 500013904.002-2001 Specification);
 - pre-insulated steel pipes, with the diameter of 57–1220 mm, with extruded polyethylene-based outer three-layer protecting coating (TU BY 500013904.003-2010 Specification);
 - pre-insulated steel pipes, with the diameter of 25–530 mm, with combined outer protecting coating made of polyethylene tapes (TU BY 03289805.001-97 Specification).
- ◆ Production (certificate of conformity No. BY/112 02.01.007 00090, valid until February 24, 2018):
 - pipes thermally pre-insulated by foamed polyurethane (STB 2252-2012);
 - steel articles thermally pre-insulated by foamed polyurethane (STB 2270-2012).
- ◆ Works (license issued by Gospromnadzor, No.02300/355-1, valid until March 23, 2016):
 - construction of gas supply and heat supply systems, installation and repair of trunk pipelines;
 - design of gas supply and heat supply systems design of processes for boiler plants;
 - geodesic and geological engineering surveys.
- ◆ Nondestructive and destructive tests for welded joints and insulations (accreditation certificate No. BY/112 02.2.0.0620 dated July 15, 1997).
- ◆ Works:
 - preparation of footings and foundations for buildings and structures (foundations on natural soil footings, driven pile foundations) (certificate of conformity No. BY/112 04.14.007 05686, valid until February 02, 2019);
 - installation of precast concrete and reinforced-concrete structures (columns, frames, half-frames, stiffening diaphragms, crossbars, beams, trusses, slabs) (certificate of conformity No. BY/112 04.14.007 05688, valid until February 02, 2019);
 - anticorrosion coatings of structures of buildings (paint and varnish coatings, coatings made of mastic or spackling paste, poured polymeric coatings, combined coatings made of paint and varnish) (certificate of conformity No. BY/112 04.14.007 05684, valid until February 02, 2019);
 - insulating coatings (waterproofing insulation made of roll materials; paint-type waterproofing insulation made of bitumen, paints and varnishes, polymers, bitumen and polymers, polymers and cement; waterproofing insulation made of metal sheets; thermal insulation and soundproofing insulation made of slabs and bulk materials) (certificate of conformity No. BY/112 04.14.007 05685, valid until February 02, 2019);
- ◆ Services in transportation of pre-insulated pipelines, products, metal structures, construction equipment, etc., with special motor vehicles.

Grodnogasstroyizolyatsiya JSC maintains the quality management system covering design and manufacturing of pre-insulated pipes for petroleum and gas pipelines, design and production of pre-insulated pipes and pre-insulated shaped items for heat supply networks, construction and installation works, design of gas supply, heat supply, heating and ventilation systems, geodesic and geological engineering surveys in accordance with the requirements listed in STB ISO 9001-2009 (certificate of conformity No. BY/112 05.01.007 01097, valid until December 07, 2016).



Grodnogasstroyizolyatsiya JSC can prepare the design, produce and install utilities networks on a turnkey basis.

6 Karsky St., 230003 Grodno
Telephone: (+375 152) 74-63-79
(+375 152) 74-62-20
Fax: (+375 152) 74-62-18
(+375 152) 74-62-62
e-mail: mail@gsiz.by, gsiz@tut.by
www.gsiz.by

UNP 500013904

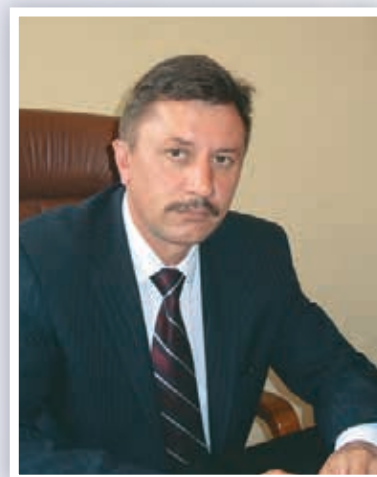
OPEN JOINT-STOCK COMPANY

ZAPAELECTROSETSTROI

Zapadelectrosetstroi JSC (Western Electric Grid Construction Service) was founded on October 14, 1968 as Zapadelectrosetstroi Trust.

The enterprise offers a complete range of works for construction and reconstruction of:

- overhead power transmission lines, 0.38–750 kV;
- cable power transmission lines, 0.38–110 kV;
- transformer substations, up to 750 kV, and distribution substations, 6–35 kV;
- fiber-optic communication lines (optical power ground wires);
and ready to operate as the general contractor for construction of any energy supply facilities.



Alexander Klimov
Director General

The enterprise comprises the following divisions:

- Mechanical Division No.3 (Minsk);
- Mechanical Division No.84 (Grodno);
- Mechanical Division No.87 (Gomel);
- Zapadelectrosetstroi JSC branch in Kaliningrad, the Russian Federation;
- Logistics Division (Minsk)
- representative office in Ukraine (Nikolayev region).

The Mechanical Divisions have more than 500 special construction vehicles (including rubber-tire and crawler-mounted vehicles), special equipment for installation of optic cables integrated into ground wires, and pretension wires.

The Metal Structures Manufacturing Workshop operated by Mechanical Division No.3 produces metal structures for overhead power transmission lines, 110–500 kV, and for transformer substations, up to 750 kV; tailored metal structures made in accordance with customers' drawings; consumer goods. The capacity of premises operated by the division is appropriate to produce 300–400 tons of metal structures monthly.

Due to the highly developed manufacturing and technological infrastructure, comprising many types of activities, the enterprise is capable to carry out construction and installation works in any climatic or geographical regions covered by domestic or foreign energy systems.

In 1969–2012 the enterprise built 1414 electric power transmission lines (the total length is 30904.07 km); 1097 substations (the voltages are 35–750 kV, the capacity is 28,340.28 MVA); 35 fiber optic communication lines (optical power ground wires) with the total length of 1370.877 km; cable lines, 92.718 km; 23 dwelling houses, 90,506 m² (1499 flats).

Zapadelectrosetstroi JSC personnel has experience of work in Vietnam, Germany, Egypt, India, Cuba, Libya, Mali, Mozambique, Mongolia, Poland, the Russian Federation, Syria, Ethiopia; also, it took part in the elimination of consequences of the Chernobyl NPP disaster.

The enterprise has introduced the integrated quality management system meeting the ISO 9001:2008 standard, the environment management system meeting the ISO 14001:2004 standard, and the occupational safety management system meeting the OHSAS 18001:2007 standard.

The Zapadelectrosetstroi JSC construction divisions obtained the certificates of conformity to certify that the works in installation of steel structures and in preparation of footings and foundations for buildings and structures meet the requirements listed in TR 2009/013/BY Technical Regulations.

The enterprise is a member of the non-commercial partnership "Self-regulating Organization Interregional Union of Construction companies" (certificate No. 0512-2009-100119877-C-2).



39/1 Koltsov St., 220090 Minsk
Telephone: (+375 17) 293-36-26
Fax: (+375 17) 262-90-20
e-mail: zapadelectro@adsl.by,
sdo@zess.by, pto@zess.by
website: www.zess.by



UNP 100119877

More than 45 year of successful work!

Open Joint-Stock Company **Lidagasstroj**

Primary activity is construction of utilities:

- ◆ trunk pipelines (petroleum, gas, petroleum product pipelines);
- ◆ gas distribution systems (outdoor gas pipelines made of steel and polyethylene, in cities and settlements, including the pipelines providing services for several settlements);
- ◆ gas control stations, cabinet-type control stations, gas control units;
- ◆ inlet gas pipelines for dwelling houses and indoor gas supply systems;
- ◆ plumbing works (installation of heating, water supply, sewerage, ventilation networks and systems).



Vasily Shikunets
Director



Several large facilities were constructed by Lidagasstroj JSC (Lida Gas Construction Service), such as:

- ◆ gas pipeline link between Korelichi urban-type settlement and Novogrudok (customer: Beltransgas JSC);
- ◆ gas supply systems for off-site facilities at the NPP in Belarus (customer: NIAEP JSC);
- ◆ reconstruction of Volkovysk – State Border gas pipeline branch (customer: Beltransgas JSC);
- ◆ reconstruction of gas pipeline branch and Brest-1 gas distribution station (customer: Beltransgas JSC);
- ◆ construction of gas supply trunk pipeline for the gas treatment facility at Lukomlskaya SDPP, Chashniki district (customer: Vitebskoblgas Production Republican Unitary Enterprise).

Licenses and certificates:

- License No.02300/1619-1 for activities in industrial safety, valid until December 30, 2014;
- License No.02300/363-4 for activities in use of nuclear power and ionizing radiation sources, valid until December 30, 2014;
- Certificate of Conformity No. BY/112.05.01.013/03237, confirming that the quality management system for construction of gas pipelines, piping systems and related facilities meets the requirements listed in STB ISO 9001-2009, valid until December 21, 2016.

The enterprise operates the accredited welding and insulation work quality control division (Accreditation Certificate No. BY 112.02.2.0.0594 dated February 18, 1997, valid until January 23, 2017).

**16 Khimikov St.,
231300 Lida, Grodno Region
Telephone: (+375 154) 53-22-65
Fax: (+375 154) 53-18-26
e-mail: Lidags@tut.by**

UNP 500256848



Limited Liability Company **SELSTROIGAS**

Selstroigas LLC (Rural Gas Construction Service), Slonim town, is a legal successor of Selstroigas Small Enterprise listed as a legal entity by Slonim District Executive Committee in accordance with Decision No.231 dated April 22, 1991.

At the initial stage of development, Selstroigas LLC employed only 10 people. Now the enterprise employs over 80 people.



Alexander Cherkes
Director



Principal types of works carried out by Selstroigas LLC:

- ◆ activities in industrial safety, installation of equipment and construction of pipelines;
- ◆ construction of civil utilities;
- ◆ geodesic surveys and preparation of maps;
- ◆ design and construction of buildings and structures, criticality level 1 and 2, and related engineering surveys for these purposes.

The enterprise builds gas supply systems made of steel and polyethylene pipes. Vehicles and equipment made in Belarus and Russia are used to build gas pipelines made of steel pipes. For gas pipelines made of polyethylene pipes, with butt and bell-and-spigot joints, equipment from leading German companies is used.

The geography of gas supply works carried out by Selstroigas LLC covers Grodno, Brest, Minsk and Vitebsk regions of Belarus, and the customers had a highly positive feedback in relation to the quality of the construction and installation work performed by Selstroigas LLC strictly on schedule.

In recent years several large companies, such as Grodnooblgas, Minskoblgas and Vitebskoblgas Republican Unitary Enterprises have been among the customers of Selstroigas LLC, which confirms its high credibility.

Selstroigas LLC will use its potential to maintain high quality of works and to meet customers' expectations.

61b Prirechnaya St.,
Slonim, 231800 Grodno Region
Telephone: (+375 1562) 4-49-13
(Director)
(+375 1562) 4-40-46
Fax: (+375 1562) 4-49-13
e-mail: selstroigas@mail.ru
www.ssg.by

UNP 500058150



Open Joint-Stock Company
BELTOPLIVOSTROI
CONSTRUCTION AND INSTALLATION TRUST



Beltoplivostroi Construction and Installation Trust JSC (Belarusian Fuel Construction Service), or SMT Beltoplivostroi JSC, specializes in construction works, pre-construction works at boggy soils, special-purpose, installation and repair works for the enterprises of Beltopgas Production Association and for other organizations and agencies.

The Company:

- ◆ acts as a general contractor for construction of 3rd-4th complexity class facilities for the third category;
- ◆ carries out construction of 3rd-4th complexity class facilities for the third category as a contractor;
- ◆ carries out construction of 1st-4th complexity class facilities for the third category as a subcontractor;
- ◆ acts as a general contractor for construction of 3rd-5th complexity class facilities for the third category;
- ◆ performs forest harvesting operations;
- ◆ conducts activity in the sphere of fire security;
- ◆ leases out means of transport and construction machinery.



Alexander Savchenko
Director General

The company comprises the following divisions:

- **SPMK Division (Special Mobile Mechanical Division);**
Kolodishchi agricultural town, Minsk district
- **SMU-2 (Construction and Installation Directorate No.2);**
Ditva agricultural town, Lida district, Grodno region
- **PMK-2 Division (Mobile Mechanical Division No.2);**
Zeleny Bor settlement, Ivatsevichi district, Brest region
- **PMK-4 Division (Mobile Mechanical Division No.4) ;**
Pravdinsky settlement, Pukhovichi district, Minsk region.

At present, SMT Beltoplivostroi JSC operates more than 200 items of equipment, it can harvest and deliver merchantable wood and use construction machinery to provide services (truck-mounted concrete mixers, aerial work platforms, mobile cranes, lowboy trailers, bed trucks, dump trucks, etc.).

The company has appropriate permissions (licenses) and certificates of conformity for all types of works.

51 Chkalov St., Kolodishchi agricultural town,
Minsk District, 223050 Minsk Region
Telephone: (+375 17) 508-01-52 (Director General)
(+375 17) 541-13-12 (Chief Accountant)
Telephone / Fax: (+375 17) 508-02-89 (Reception)
e-mail: beltoplivostroy@tut.by

UNP 100289211





Open Joint-Stock Company

SPECIAL MOBILE MECHANICAL DIVISION No.4

For more than 40 years, Special Mobile Mechanical Division No.4 JSC, or SPMK-4 JSC, has been among the largest enterprises in the Republic of Belarus for construction of pipelines (the enterprise has valid licenses for activities in industrial safety and for activities in use of nuclear power and ionizing radiation sources).

The enterprise operates the welding and insulation work quality control laboratory accredited in terms of conformity with the requirements listed in STB ISO/IEC 170205.

The quality management system for construction of outdoor and indoor gas supply, heat supply, water supply and sewerage systems meets the requirements listed in STB ISO 9001-2009.




Jerzy Vashkelevich
Director

SPMK-4 JSC provides works for construction of pipelines and for installation and adjustment of equipment:

- ◆ gas distribution systems (outdoor gas pipelines in cities and settlements, including the pipelines providing services for several settlements);
- ◆ trunk pipelines (petroleum, gas, petroleum product pipelines);
- ◆ gas distribution stations and systems, gas metering stations, gas filling stations;
- ◆ installation of steam boilers, with steam pressure not higher than 0.07 MPa, and hot water boilers, with water heating temperature not higher than 115°C;
- ◆ adjustment of equipment for hazardous facilities;
- ◆ installation of outdoor networks and facilities (such as pipelines and heat networks);
- ◆ installation of indoor utilities in buildings and structures (indoor gas supply systems for buildings and structures);
- ◆ start-up adjustment and operation adjustment procedures for heat equipment, instrumentation, chemical water treatment modes and water consumption modes of boilers at boiler plants, dryers operated at industrial facilities, agricultural installations and other gas-consuming equipment.

Construction and installation works are carried out by:

- **Grodno Division No.1;**
- **Shchuchin Division No.2;**
- **Slonim Division No.4;**
- **Korelichi Division No.5;**
- **Installation and Adjustment Division;**
- **Auxiliary Manufacturing Division;**
- **Welding and Insulation Work Quality Control Division;**
- **Mechanization Division.**



6 Karsky St., 230003 Grodno
Telephone / Fax: (+375 152) 74-71-69 (Reception)
 (+375 152) 74-71-13 (Chief Engineer)
 (+375 152) 74-72-35 (Deputy Director for Production)
Telephone / Fax: (+375 152) 74-71-30
e-mail: spm4@yandex.ru

UNP 500055269



Open Joint-Stock Company

STROIGAS, BREST

Stroigas, Brest JSC (Gas Construction Service, Brest City) means great experience in gas service, wide range of provided works, experienced specialists, ISO 9001-2009 quality management system, and accredited laboratory for welding work quality control.

The enterprise has a considerable work experience in three major areas:

- ◆ installation of gas pipelines, boiler equipment and metal structures;
- ◆ installation of outdoor and indoor utilities and plumbing systems;
- ◆ connection and installation of process equipment.



Sergei Kalinovsky

Director

The enterprise carries out the following construction and installation works:

- ◆ installation and reconstruction of boiler plants (including modular plants);
- ◆ installation of energy-saving equipment, such as air heaters and radiant gas heaters;
- ◆ installation of gas distribution stations and units;
- ◆ installation of process equipment;
- ◆ installation of indoor gas supply systems;
- ◆ installation of gas equipment for industrial and agricultural facilities, dwelling houses, boiler plants etc.;
- ◆ construction and repair of outdoor pipelines for all pressures.

Another area of activities carried out by the enterprise comprises start-up adjustment and operation adjustment procedures, such as:

- ◆ adjustment of equipment operated at hazardous industrial facilities: gas distribution system equipment (gas control stations, cabinet-type gas control stations, gas control units (shutoff and control valves, safety equipment, connecting pieces, filters; automation and alarm systems); fixed gas-filling stations for motor vehicles (pumping units, gas pipelines, connecting pieces and parts, shutoff valves, safety equipment, pressure vessels and equipment)) and gas-consuming equipment, except for such equipment for households (heat generation apparatus; gas-usage equipment and installations; infrared radiant burners; gas burner equipment; automation and alarm systems; indoor pipelines);
- ◆ adjustment of steam boilers, with steam pressure not higher than 0.07 MPa and hot water boilers with water heating temperature not higher than 115°C;
- ◆ start-up adjustment and operation adjustment tests for heat generators and grain dryers.

The enterprise also provides:

- repair of devices used at the industrial facilities where the equipment in operation includes gas distribution system equipment (gas control stations, cabinet-type gas control stations, gas control units (shutoff and control valves, safety equipment, connecting pieces, filters; automation and alarm systems)) and gas-consuming equipment, except for such equipment for households (gas burner equipment; automation and alarm systems);
- maintenance of steam boilers, with steam pressure not higher than 0.07 MPa and hot water boilers with water heating temperature not higher than 115°C;
- calculation of fuel and electric energy consumption rates per unit of delivered thermal energy (1 Gcal) and per ton of finished product made by the facility in which the boiler plant is in operation.

The welding work quality control division is also a part of the enterprise. It is accredited for:

- gamma-ray tests;
- X-ray tests;
- optical tests: visual optical inspection, visual inspection and measurements;
- mechanical tests: static tension, static bending.

The enterprise also has the permission issued by the Department for Supervision of Safe Implementation of Works in Industry (Gospromnadzor) to certify welders for the following welding methods: manual arc welding with coated metal electrode; machine welding in gas mixtures with continuous wire; oxyacetylene manual gas welding.

108 K Yanki Kupaly St., 224028 Brest
Telephone: (+ 375 162) 42-41-01
Telephone / Fax: (+ 375 162) 40-99-16
e-mail: stroigas@cityline.by
www.stroigas.by

UNP 200002616



Open Joint-Stock Company

TSENTERENERGOMONTAZH

Tsentrenergomontazh JSC (Central Energy Installation Service), or TsEM JSC, has a wide experience, both in Belarus and abroad, in installation of equipment and systems at the facilities of power industry (including nuclear power industry), petrochemical, metallurgical and woodworking industries, and experience as a general contractor, including supply of equipment, accessories and materials to facilities. The enterprise also provides a range of services on a turnkey basis in construction, reconstruction, modernization, repair and commissioning of facilities in various industries.

Principal business activities:

- ◆ installation, reconstruction and repair of all types of process equipment (such as steam boilers, hot water boilers, waste heat recovery boilers, steam turbines and gas turbines) at the facilities in the energy industry and in the chemical, petrochemical, petroleum refining, metallurgical and woodworking industries; process pipelines used for various purposes, steam and hot water pipelines; gas pipelines and gas distribution systems; hoisting machines and mechanisms; steel tanks up to 100,000 m³; civil or process steel structures of any purpose;
- ◆ manufacturing of parts and units for low-pressure and high-pressure pipelines used for various purposes; boiler heating surfaces; pressure vessels; tanks for water, petroleum and petroleum products up to 75,000 m³; optional equipment for various purposes; civil or process steel structures of any purpose;
- ◆ diagnostic procedures for all types of steam boilers and hot water boilers; pressure vessels; steam and hot water pipelines; hoisting mechanisms;
- ◆ construction of industrial buildings and structures.

TsEM JSC performs construction and installation works at the facilities both in Belarus and abroad: in the Russian Federation, Poland, Lithuania, Latvia, Greece, Iran, Libya, Guinea, Syria, Cyprus.

Business partners of TsEM JSC are the largest Belarusian enterprises and foreign companies, such as Belenergo State Production Association, Gomel Chemical Plant JSC, Mozyr Refinery JSC, Naftan JSC, Gomeltransneft Druzhba JSC, Grodno Azot JSC, LUKOIL-Belorussia Foreign Enterprise, Mosenergo JSC, Unified Energy System of Russia JSC (RAO UES), Tekhnopromexport Foreign Trade JSC, Atomstroyexport CJSC, Ministry for Electrification of Cyprus, ANSALDO CALDAIE S.p.a (Italy), ATHENA S.a. (Greece), GESALSTOM (France), METKA S.a. (Greece), IBERDROLA (Spain), SIEMENS (Germany).

Licenses, certificates:

- the license issued by the Department for Supervision of Safe Implementation of Works in Industry (Gospromnadzor) of the Ministry for Emergency Situations of the Republic of Belarus, No.02300/46-1, valid until February 28, 2016;
- certificates of conformity for the types of works carried out by the enterprise, No. BY/112 04.14.085 02238; No. BY/112 04.14.085 02239; No. BY/112 04.14.085 02240; No. BY/112 04.14.085 02241, valid until October 26, 2017.

TsEM JSC also has a certificate issued by Soyuzatomstroi Noncommercial Partnership self-regulating organization, Moscow, No. SRO-S-016-00104/2-13072012 dated July 13, 2012, authorizing to carry out the particular type(s) of works affecting safety of capital construction objects.



The quality management system maintained at the enterprise is confirmed by the certificate of conformity with the requirements listed in ISO 9001:2008 and BS OHSAS 18001:2007 standards.

Welding works at the enterprise have been certified by the German certification body, TUV Thuringen, confirming that they meet the welding engineering requirements in accordance with DIN EN ISO 3834-2.

The quality control service at the enterprise has been accredited to confirm that it meets the requirements for test and measurement laboratories listed in STB ISO/IEC 17025 (accreditation by the Belarusian State Accreditation Center) and the requirements for nondestructive test systems specified by the Federal Service for Ecological, Technological and Nuclear Supervision (Rostekhnadzor) (accreditation by Kontrol i Diagnostika (Control and Diagnostics) Scientific and Training Center, the Russian Federation).



7 Velosipedny pereulok,
220033 Minsk

Telephone: (+375 17) 298-48-02
(+375 17) 298-48-12

Fax: (+375 17) 298-48-29

e-mail: mail@tsem.by

www.tsem.by

UNP 100092167



Closed Joint-Stock Company

ENERGOTEPLOIZOLYATSIYA

Energoteploizolyatsiya CJSC (Electrical and Thermal Insulation Service) is a specialized repair service organization which is primarily involved in repair, construction and installation works with thermal insulation, masonry works and anticorrosion protection of energy equipment at power plants, thermal networks and boiler plants operated by Belenergo State Production Association, and similar works for other organizations by virtue of contractor's or subcontractor's agreements.



Alexander Smolei
Director



The organization carries out all types of works in thermal insulation:

- ◆ thermal insulation of boilers and turbines;
- ◆ masonry works for boilers;
- ◆ technical thermal insulation of pipelines with heat transfer fluid of any temperature;
- ◆ thermal insulation of heating mains, including application of foamed polyurethane items for this purpose;
- ◆ application of galvanized steel, polymer cement compounds and roll materials on insulated pipelines;
- ◆ thermal insulation of tanks and containers used for various purposes;
- ◆ outer anticorrosion protection of pipelines;
- ◆ inner and outer anticorrosion protection of tanks and containers, including sandblast cleaning of inner and outer surfaces;
- ◆ roofing: roofs made of rolled materials, mastics, steel sheets, shaped decking, metal tiles, corrugated and shaped sheets;
- ◆ anticorrosion coatings for structural members used in buildings and structures: paint and varnish coatings; coatings made of mastic, spackling paste or poured polymers; cladding or lining coatings.

The distinguishing feature of Energoteploizolyatsiya CJSC is its capability to concentrate rapidly the resources of 12 production divisions covering the whole territory of Belarus to carry out the works on any facilities, whether simple or sophisticated.

For 35 years of operation, the organization has gained great practical experience and good reputation.

Energoteploizolyatsiya CJSC demonstrates a high level of skills in its work, solving the tasks quickly and providing high quality. This high level is confirmed by the customers feedback.

The quality management system and the occupational safety management system meet the requirements of the international standards, ISO 9001 and OHSAS 18001 respectively.

*High quality, low costs, rapid response,
highly skilled personnel.*

3 Michurin St., 220021 Minsk
Telephone: (+375 17) 345-76-57
Telephone / Fax: (+375 17) 345-76-58
e-mail: energoeti@gmail.com,
eti@tut.by
www.eti.by

UNP 100390954



Open Joint-Stock Company **ENERGOTEKHPROM**

Energotekhprom JSC (Energy Equipment Industry Service) is a division of Belenergo State Production Association. It provides works for installation and repair of thermal energy equipment at thermal power plants and mini-CHPs. The enterprise was founded in 1993.

Principal activities:

- ◆ comprehensive repair, installation and adjustment of thermal energy equipment at thermal power plants and boiler plants;
- ◆ design of facilities, equipment and processes;
- ◆ design of new heating stations and modernization of existing ones, with programmable controllers used to control heating for buildings and structures;
- ◆ repair of overhead cranes and gantry cranes, including their mechanisms, electrical equipment, metal structures, crane tracks;
- ◆ manufacturing and modernization of control and shutoff valves for boilers, vessels and pipelines at thermal power plants and boiler plants, and manufacturing of spare parts;
- ◆ radiographic, ultrasonic, magnetic particle tests and other types of nondestructive tests for metals and welded joints.



Alexander Kirikovich
Director

Energotekhprom JSC designs, produces, installs and services a range of broadband balanced disk-type control valves applicable in various processes (such as consumption, replenishment, level control and injection). This equipment has proved to be excellent at the facilities in Russia, Lithuania, Bulgaria and Belarus.

Products and works provided by Energotekhprom JSC are certified in terms of quality and occupational safety to confirm that they meet the requirements listed in the international standards, DIN EN ISO 9001:2008 and BS OHSAS 18001:2007 (certificates TIC No.15 100 96321 and No.15 116 9130 dated June 15, 2009).

The enterprise operates a laboratory of nondestructive tests and technical diagnostics for metals and welds.



The projects implemented by the organization in 2011-2013:

- equipment installation at Rechitsa mini-CHP, with two boilers having the capacity of 12 MW each and two turbine generators having the electric capacity of 2 MW each, using peat briquettes as fuel;
- equipment installation at the mini-CHP in Petrikov, with a steam boiler having the capacity of 7.5 MW and a turbine generator having the electric capacity of 1.2 MW each, using woodworking wastes as fuel;
- installation of a steam boiler, 9 MW, at the boiler plant operated by Elinar-Broiler CJSC in Naro-Fominsk, the Russian Federation;
- installation of a steam pipeline at Minsk CHP-3, connecting the CCGT power-generating unit, PGU-230, with the pipelines for steam taken off for energy delivery, 1.3 MPa, and auxiliary steam pipelines for plant equipment, 14 MPa;
- installation of auxiliary equipment and pipelines at the mini-CHP in Baran', with a boiler having the capacity of 17 MW and a turbine having the electric capacity of 3.2 MW.

15 Omelyanyuk St., 220021 Minsk
Telephone: (+375 17) 246-17-25
Telephone / Fax: (+375 17) 242-96-04
e-mail: energotexprom@mail.belpak.by
www.energotexprom.by

UNP 100369239





Open Joint-Stock Company

ELECTROSENTRMONTAZH

Electrosentrmontazh JSC (Central Electric Installation Service) is a specialized industrial enterprise providing comprehensive construction, installation, electric cabling, start-up and commissioning works. It has own manufacturing premises which produce the automation and controls, protection and relay cabinets and panels, low voltage switchgear equipment, equipment for installation and electric cabling works, metal structures.

Electrosentrmontazh JSC carries out a complete range of:

- ◆ construction (earthmoving, construction of masonry structures, preparation of cast-in-situ reinforced concrete structures and installation of precast reinforced concrete structures, installation of load-carrying and enveloping structures);
- ◆ electric installation and cabling (installation of electric equipment of any voltage levels, installation of cables metal support structures, power cable lines of any voltage levels, networks for lighting and welding, instrumentation and automation equipment, electric and thermal energy metering systems, automated process monitoring and control systems for various processes);
- ◆ start-up and commissioning works (adjustment of electrical equipment and instrumentation systems).



Gennady Velitchenko

Director

Electrosentrmontazh JSC implemented a complete range of electric installation and cabling procedures, installation of instrumentation and automated process control systems literally at all facilities of the energy system in the Republic of Belarus. Electrosentrmontazh JSC personnel took part in construction of energy facilities in Iran, Iraq, Mongolia, Cuba, Angola, India, Greece, Germany, China, Cyprus, Guinea and in many other countries. In Russia, they worked at Kursk NPP and Smolensk NPP; in Ukraine, at Zaporozhye NPP and Rovno NPP.

Electrosentrmontazh JSC has certified its quality management system used in construction and installation works for construction and repair of energy facilities, industrial facilities, dwelling, social and cultural facilities, in accordance with the national standards (STB ISO 9001-2001 series) and international standards (EN ISO 9001:2000, DIN EN ISO 9001:2000, OHSAS 18001:1999 series).

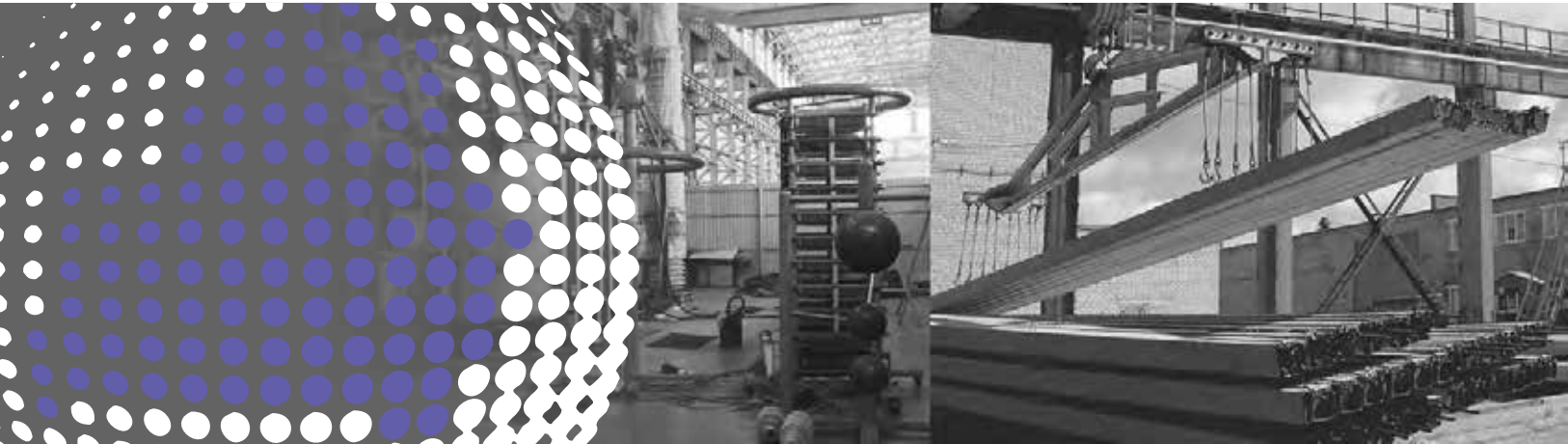
Electrosentrmontazh JSC produces:

- Galvanized steel metal structures for cable systems;
- Equipment support, overhead lines support, embedded foundations metal structures;
- Transmitters and sensor racks for instrumentation and automation equipment;
- Switchgear equipment, 0.4 kV (cabinets, boards, panels, desks, boxes), including non-standard equipment; instrumentation and controls cabinets, protection cabinets, automation cabinets;
- Electric drive control units (valve actuator control units, VFDs);
- Junction boxes and other equipment.

**37 Montazhnikov St.,
220019 Minsk, Zapadnaya Industrial Zone
Telephone: (+375 17) 506-03-33
Fax: (+375 17) 212-50-29
e-mail: mail@ecm.by/ecm@tut.by
www.ecm.by**

UNP 190006177





**INDUSTRIAL
PRODUCTION
COMPLEX**



BRESTGAZOAPPARAT JV JSC



Viktor Kuzminchuk

Director General
of Brestgazoapparat JV JSC



GEFEST

- GAS STOVES
- GAS AND ELECTRIC STOVES
- BUILT-IN EQUIPMENT
- GAS COUNTER FRYERS
- AIR PURIFIERS

Brestgazoapparat JV JSC is one of the largest manufacturers of kitchen stoves in Europe. The enterprise has produced more than 30 million pieces for the last 60 years from its establishment.

What started as a small production unit with only 49 employees a few decades ago, has now turned into a full-grown holding including 3 companies: the parent plant Brestgazoapparat JV JSC, Gefest-technika UE and Gefest-Quartz UE, with the total number of 4.5 thousand employees.

At present, the range of products of Brestgazoapparat JV JSC includes floor-mounted gas stoves and electric stoves, gas-and-electric stoves, gas counter fryers, air purifiers. The output of built-in equipment of GEFEST is actively modernized and updated.

Independent hobs and ovens become more popular among the consumers because the built-in equipment makes it possible to save space, it is more compact, and it forms a wholesome structure with a kitchen suite. It allows to form and simulate décor in accordance with anybody's preferences and requirements.

www.gefest.com

BRESTGAZOAPPARAT JV JSC

22 Ordjonikidze St., 224016
Brest, Republic of Belarus

UNP 200050520

GEFEST-TECHNIKA Unitary Enterprise

21 Suvorova St., 224002
Brest, Republic of Belarus

GEFEST-QUARTZ Unitary Enterprise

85 Katin Bor St., 224025
Brest, Republic of Belarus

NOVOGRUDOK GAS EQUIPMENT PLANT

Novogrudok Gas Equipment Plant JSC (NOVOGAS) is a part of Beltopgas SPA and one of the largest special-purpose companies in the Republic of Belarus, a leader in the market of the CIS states in manufacturing of the wide range of gas-fittings.

The enterprise manufactures:

- household gas cylinders 5 l, 12 l, 27 l, 50 l;
- gas counters SGMN-1M (G-6), SGMN-1M1 (G-4), SGD-2.5, SGD-1.6, also equipped with electronic thermal compensator;
- automobile fire extinguishers OP-1, OP-2, OP-4 and stationary fire extinguishers OP-9, OP-35, OP-45;
- gate and reducing valves (pressure regulators RDSG 1-1.2; 2-1.2; 1-0.5; valves VB-2; valves for cylinders KB-2; oxygen valve VK-1; coupler water valves DY-50, 40, 25, 20,15; ball valves KSH 15, 20, 25);
- toroidal and cylindrical automobile gas tanks;
- sets of gas cylinder equipment (generation IV) for converting motor vehicles with 4-, 6-, 8-cylinder engines to liquefied gas;
- single numbered indicator seals;
- consumer goods (clear IR-radiating heaters, household units for sterilization of preserved food, street air heaters, "Tourist" sets, "Dachnik" trivets).



Viktor Turlyuk
Director

NOVOGAS operates in accordance with the system of international quality and compliance certificates. The plant has introduced the quality management system for design and manufacture of products in compliance with the requirements of the quality standard STB ISO 9001-2009. EU certificates have been obtained for compliance with the European safety directive 2010/35/EU and the European standard EN 1442:2006 + A1:2008 for household gas cylinders intended for 5, 12 and 27 liters, as well as official approvals (APPROVAL GRANTED) for compliance with the requirements of Rules No. 67 of UN EEC. Compliance certificates of the Russian Federation were conferred for the output products.

Valves for oxygen cylinders made by NOVOGAS are the winners of the competition "The Best Products of the Republic of Belarus-2013".

The plant exports its products to 11 countries, including Russia, Ukraine, Latvia, Lithuania, Kazakhstan, Uzbekistan, Tajikistan, Moldova, Venezuela, etc.



NOVOGAS

109 A. Mitskevich St.,
231400 Novogrudok
Telephone: (+ 375 1597) 2-36-28
Fax: (+ 375 1597) 2-17-42, 3-42-97
e-mail: info@novogas.com
www.novogas.com

UNP 500235715

JOINT STOCK COMPANY

BELOOZERSKY ENERGOМЕCHANICHESKY ZAVOD

Joint Stock Company "Beloozersky energomechanichesky zavod" is one of the leading companies of the energy system in manufacturing of equipment and spare parts for thermal, electric power, nuclear power and hydroelectric power stations.

JSC "BEZ" possesses its own design and production facilities. It holds a license of the Department for Supervision of Safe Implementation of Works in Industry of the Ministry for Emergency situations of the Republic of Belarus for design and manufacturing of equipment operated under pressure: steam boilers with steam pressure not exceeding 0.07 MPa, water heating boilers with water temperature not higher than 115°C, steam boilers with pressure by up to 30 MPa, water heating boilers with heating capacity up to 209.3 MW and their components (furnace plants, collectors, ferrules, boiler pipelines, bottoms, tubular grids).

The quality management system of equipment complies with the requirements of STB ISO 9001-2009.



Nikolai Richko

Director

Principal manufacturing:

- ◆ manufacture of spare parts for power engineering equipment:
 - heating surfaces of steam and water heating boilers;
 - air heaters of power boilers and their spare parts;
 - forced-draft machines; smoke exhausters, fans and their spare parts;
 - scraper feeders and their units;
 - spare parts for coal mills;
 - parts of high pressure steam pipelines.
- ◆ manufacture of power transformers with the capacity of 2.5 MVA, 6.3 MVA, 10 MVA, 16 MVA, 25 MVA, 40 MVA and voltage 110 kV;
- ◆ performance of overhauls of power transformers along with replacement of windings and reconstruction along with change of parameters;
- ◆ manufacture of water heating boilers (from 300 kW to 3.0 MW) and steam boilers (from 0.3 to 1 ton of steam per hour) operated with the use of liquid, solid fuel and gas;
- ◆ manufacture of power steam boilers using local fuel types (6.5, 10, 20, 30 tons of steam per hour);
- ◆ manufacture of auxiliary boiler equipment (fuel supply, ash removal systems, forced draft machinery, etc.).



Major enterprises of the Republic of Belarus are regular partners of JSC "BEZ". Main importers of the company's products are the Russian Federation, Baltic States, Poland, Bulgaria, Ukraine, Finland and other countries.

JSC "BEZ" – 40 years in the power engineering equipment market!



1 Zavodskaya St.,
Beloozersk, 225215 Brest Region
Telephone: (+375 1643) 2-83-46 (reception office)
Fax: (+375 1643) 5-95-36
Telephone: (+375 1643) 5-95-65, 5-95-66,
5-95-68, 5-95-69
(marketing department)
Fax: (+375 1643) 5-95-18
e-mail: oaobez@mail.ru, pai-58@mail.ru
<http://www.bemz.by>

UNP 200022862

REPUBLICAN SCIENTIFIC AND PRODUCTION UNITARY ENTERPRISE

BELGASTECHNIKA

Belgastehnika, Republican Scientific and Production Unitary Enterprise, is one of the leading enterprises of the gas complex of the Republic of Belarus. Possessing a high scientific and production potential, the company develops and produces a wide range of products for the purposes of the gas industry of the Republic of Belarus and the CIS states.



Viacheslav Korobchenko

Director

Belgastehnika RUE manufactures more than 100 products:

- block gas regulating stations, cabinet-type regulating units;
- process equipment for gas filling and fuelling stations of liquefied gas;
- gas pressure regulators, including household regulators of RDGD-2.0 type;
- gas safety, discharge, gate quick-acting valves;
- gas filters;
- gas analytical and indicating devices;
- diagnostic devices for checking the state of metal gas pipelines;
- industrial gas counters, etc.

Belgastehnika RUE develops and produces high quality products which meet the requirements in relation to energy saving and energy efficiency as well as the legislative and other requirements. This is confirmed by the compliance of the quality management system with the requirements of STB ISO 9001-2009.

To ensure environmentally friendly operations of the company, the measures have been taken to establish, introduce and certify the environment control system in accordance with the requirements of STB ISO 14001-2005.



The company's long experience in the market and careful planning activities allow it to produce and deliver reliable and high quality equipment in a timely manner.



30 Gurskogo St., 220015 Minsk
Telephone: (+375 17) 252-45-84, 252-67-95
Telephone / Fax: (+375 17) 252-13-56
e-mail: marketing@belgastehnika.by
www.belgastehnika.by

UNP 100270876

Equipment Repairing Shop **GRODNO ELECTRICAL NETWORKS** Branch of Grodnoenergo RUE

Grodno Electrical Networks are one of the largest energy supply branches of the Belarusian Energy System.



Viktor Zubritsky
Director

The principal activity is operation of electrical networks and substations with voltage 0.4–330 kV, electric power supply to electricity consumers and its sales on the territory of Grodno, Grodno district, Shchuchin and Berestovitsa districts of Grodno region.

Additionally, the enterprise produces certain types of electro-technical items at the equipment repairing shop established in December 2007 for the energy system's own needs and for sale to other companies.



The enterprise manufactures:

- ◆ column transformer substations (CTS) with the power 25–100 kVA and voltage 10/0.4 kV;
- ◆ post transformer substations (PTS) with the power 160–400 kVA and voltage 10/0.4 kV;
- ◆ disconnecting switches RNZ-10/400 (RNS-10/400);
- ◆ external account cabinets and account cabinets according to the declared “one stop” principle;
- ◆ cable and linear valves (cable tips, screw tips, screw connecting sleeves).



18 Skidelskoye Shosse,
230003 Grodno
Telephone: (+375 152) 45-43-59
Fax: (+375 152) 45-43-43
e-mail: ges@energo.grodno.by

UNP 500036458



ENERGODETAL PLANT

Branch of Belselectrosetstroi JSC

Energodetal Plant was established in 1958 and has taken the lead as the largest manufacturer of products for energy sector construction.

The company provides reinforced concrete supporting posts for overhead electric lines, quickly installed reinforced concrete structures of transformer substations, foundation slabs, woodworks for construction operations, and produces a broad range of consumer goods.



Reinforced concrete vibrated posts of models CB 95-20, CB 95-25 (reinforced), CB 110-35, CB 110-49 (reinforced) are used for construction of overhead electric lines with uncovered wires, self-carrying isolated wires, covered wires.

Overhead electric lines mean the use of advanced world technologies, reliable power supply for consumers and essential reduction of operation expenditures. The posts comply with the requirements of GOST 13015.0-83 and STB 1247-2000.

The plant mastered a new type of posts of increased durability and electric safety during operation: CB 110-35-1E (2E), CB 110-50-1E (2E), CB 95-20-1E (2E), CB 95-30-1E (2E).

The company supplies its products to many parts of Belarus, as well as to many areas of the Russian Federation (Moscow and Moscow Region, St. Petersburg and Leningrad Region, Kaliningrad, Smolensk, Bryansk, Samara, Saratov and many others).

Reinforced concrete posts for overhead contact system supports, models CT 104, CT 108, CT 136 of various modifications.

Partners of the plant are: Belenergo State Production Association, RAO UES of Russia, Mosenergo, Yantarenergo, Orelenergo, as well as private companies and construction organizations from Russia and Belarus.

10 Minsky Park St.,
Baranovichi, 225320 Brest Region
Telephone: (+375 163) 58-28-87
Fax: (+375 163) 42-54-75
e-mail: oporylep@brest.by

UNP 201014794

ENERGOCONSTRUKTSIYA PLANT

Branch of Belselectrosetstroi JSC

Energoconstruktsiya Plant (Energy Structures Plant) was established in accordance with the Order of the Ministry of Energy of the USSR, No. 51a dated February 13, 1979 for manufacturing of supporting structures and electromechanical equipment. Nowadays Energoconstruktsiya Plant is one of the largest manufacturers of metal structures for power supply network construction.

The long years of experience in manufacturing of steel structures made it possible for the plant to gain serious success in the field of production quality. Technical service departments of the plant are ready to work out and produce steel structures of any complexity level just from scratch. Besides, the Rudensk shop of Energoconstruktsiya Plant produces reinforced concrete posts and accessories for overhead electric line supports which are supplied to the projects of electric line construction in the Republic of Belarus and in the Russian Federation.

The enterprise manufactures:

- reinforced concrete posts for overhead lines 0.38–10 kV of types CB 95-20; CB 95-25; CB 110-35; CB 110-49;
- reinforced concrete accessories for posts of PT 43-22-M type;
- foundation slabs of FBS series;
- steel structures for overhead electric lines 110–330 kV;
- steel structures by individual orders.

The plant is continuously working to introduce new types of products. The following products have been developed recently: brackets for reinforced concrete lighting posts, stand and metal posts, mechanization facilities for installation of wires and cables (freight trolleys of TRP type with load lifting capacity from 1.6 to 6 tons, straight angular rollers, funnels for cable installation), GM-55C hydraulic manipulators for loading and unloading of reinforced concrete supports.

Apart from reinforced concrete structures, the range of products includes also consumer goods.

Main customers: Belselectrosetstroi JSC; Zapad-electrosetstroi JSC; regional enterprises of Belenergo SPA; power engineering enterprises of the Russian Federation.



6 Truda St.,
Zhodino, 222160 Minsk Region
Telephone / Fax: (+ 375 1775) 2-80-19
e-mail: chyp_zek_bsess@tut.by
www.lep.inrb.by

UNP 601067387

ENERGOBORUDOVANIYE PLANT

Branch of Belselectrosetstroi JSC

Energooborudovaniye Plant (Energy Equipment Plant) of Belselectrosetstroi JSC is one of the leading companies in the Republic of Belarus in the field of electrotechnical equipment.



The company is specialized in production of power engineering equipment, self-carrying insulated wires for VLI-0.38 kV with the section up to 120 mm², wires with the protecting insulated cover of ACI type for overhead electric lines 10 kV.

The plant has been continuously introducing the latest technologies aimed at production increase and production quality improvement. A new cable line DTRS 220 of POURTIER Co. (France) has been put into operation, a modern line of powder painting has been operated for several years, a highly technological metal working complex "Trumpf-TruPunch 3000" (Germany) has been installed.

Modern chambers 10 kV of KC, KV, KEO-10 series have been mastered and now are produced along with vacuum switches and various types of protection (by the customer's order), electricity account boards of the external type with various mounting options, operative direct current cabinets, transformer substations of the kiosk type in metal and concrete casings, self-carrying insulated wires of SIP type.



The range of products produced by the plant makes it possible to ensure comprehensive supplies of electric equipment for any project under construction or reconstruction.

The plant's history of more than 65 years, its accumulated experience, highly experienced specialists, modern developments and technology, permanent striving for resolving the customer's problems guarantee that Energooborudovaniye Plant is a reliable partner. Besides the practical joint work with the customer from the project design stage or during development of new products allows to save money and time.



We have been producing electrotechnical equipment intended for electrification of enterprises, cities and small settlements for more than 65 years.

168 Barykin St., 246020 Gomel
Telephone: (+375 232) 41-02-74
Fax: (+375 232) 41-02-74
e-mail: eo.marketing@list.ru
www.energo.gomel.by

UNP 401154759



Dispatching and Process Control Equipment Enterprise

Branch of Grodnoenergo RUE

The dispatching and process control equipment enterprise was established in 1991 as a structural division of Grodnoenergo RUE (nowadays – DPCEE, a branch of Grodnoenergo).

The enterprise fulfills the role of an engineering center of the power engineering system which not only manages and develops communication means and computing equipment but also resolves issues related to construction and development of automated systems of technological control, introduction of the newest information technologies, pursuing the single technical policy in the field of electrical and thermal energy accounting.

Since 1999 the development of its own production has become one of the directions of DPCEE.

The production facilities have the necessary equipment which ensures the full cycle of production of electronic modules of any complexity based on SMD installation technology.

At present, we offer more than 20 types of our own developed products complying with the highest international standards.



Vladimir Stoyakov

Director



List of products manufactured:

- ◆ Data Acquisition and Transmission Devices AISE-1.03
- ◆ static multifunctional electricity counter “Gran-Electro SS-301”
- ◆ single-phase static counter of active electricity “Gran-Electro SS-101”
- ◆ remote control equipment
- ◆ active dispatch switchboard
- ◆ LED searchlights



In 2008 the quality management system was introduced at the enterprise for compliance with the requirements of STB ISO 9001. A certificate of conformity was issued that certifies that the system of operation quality management, maintenance and repair of software communication facilities, automated systems of technological control, account devices and electrical and thermal energy regulating systems; fulfillment of design, civil and installation and commissioning works; manufacture of software and hardware in DPCEE complies with the requirements of STB ISO 9001.



**2 Molodezhnaya St.,
230025 Grodno
Telephone / Fax: (+375 152) 79-26-99
e-mail: psdtu@energo.grodno.by**

UNP 500036458

GOMELENERGO RUE

Rechitsa Electrical Networks Branch

In 2006 on the basis of the equipment repairing shop a production section of thermoset couplers was formed where electrotechnical products are made both for own purposes of the power engineering system and for sales to other companies (including cases for electric counters).

Products of the production line of heat shrink sleeves:

- Thermoset couplers for cables for voltage 1 kV, 10 kV.
(The products comply with the requirements of TU BY 37330270.01-99, TU BY 4900831184.01-2004 and GOST 13781.0-86 existing on the territory of the Republic of Belarus. Compliance certificates of MOO "International Quality Association" – "SovAsk": for couplers for voltage 1 kV – No. SSAQ 025.1.2.065; for couplers for voltage 10 kV – No. SSAQ 025.1.2.0028).
- Devices for birds scaring.
(The products comply with the requirements of TU BY 400069497.002-2009 existing on the territory of the Republic of Belarus).
- Polymeric braces.
(The products comply with the requirements of TU BY 400069497.003-2009 existing on the territory of the Republic of Belarus).
- Polymeric marking labels.
(The products comply with the requirements of TU BY 400069497.006-2012 existing on the territory of the Republic of Belarus).



10 Energetikov St.
Rechitsa, 247500 Gomel Region
Telephone / Fax: (+375 2340) 4-46-77
e-mail: rechicaes@gomel.energo.net.by

UNP 400155809

Energosbyt Branch



In 2012 on the basis of the shop of maintenance and repair of electric energy counting devices of Energosbyt (Energy sales) branch of Gomelenergo RUE production of electronic electric meters "Energy – 9BY" (CTK-1 and CTK-3) was organized, including the advance payment function, for sales and installation at projects of electric power consumers.

Apart from similar technical specifications of account devices made by other manufacturers, meters of this type have the following advantages:

- a measuring unit – shunt, including in the circuit of zero conductor (the counter is protected from impact of strong magnetic flux (neodymium magnets), as well as steels are excluded with the use of the odd "zero");
- a built-in contactor limits excess of power permitted for the use (by 20–30% cheaper than an autonomous power limiter along with a meter);
- high reliability indices and stability of metrological features in MPI;
- a transparent cover of the terminal box and the improved system of contacts of the "small house" type make it possible to provide safe operation in the whole range of loadings (it excludes meter inflammation).

Meters "Energy – 9BY" are registered in the State Register of measuring Facilities of the Republic of Belarus under BY NO. 0313482012 and they are permitted for the use in the Republic of Belarus since January 31, 2012, which is confirmed by the Certificate on approval of measuring facilities No. 7624, as well as on the territory of Russia from November 12, 2013, which is confirmed by the Certificate on approval of measuring facilities BY c.34.999.A No. 52984.

3 Moiseenko St.,
246001 Gomel
Telephone: (+375232) 49-33-51,
(+375232) 49-32-20
Telephone / Fax: (+375232) 49-34-34
kancelaria@sbyt.gomel.energo.net

UNP 401153354

Manufacturing and Procurement Division

Branch of Belselectrosetstroj JSC

Manufacturing and Procurement (MPD) is included to a multiprofile association of companies of Belselectrosetstroj JSC which has more than 80 years of experience in the field of electrification of agricultural, industrial and communal projects.



The MPD of Belselectrosetstroj JSC is an exclusive manufacture of polymer insulators in the Republic of Belarus (NP-18, ONP, ONPsh, SHP-20) and linear accessories for VLI-0.38 and VLP-10 kV (ZLO-01, K-NM-1, K-NM-1M, ZP-01, ZP-02, ZOP-01, ZOP-02, ZG-10, ZOP-10).

Since November 2003 the company has mastered serial output of power saving luminaries ZHKU-01 having power 70, 100, 150 W with the use of a mirror lamp of DNaz type.

Since 2003 more than 90000 lighting fixtures of various powers have been produced. These products have found their application in all regions of Belarus and abroad.

In 2010 the serial production of linear valves was started for insulated wires of SIP-4i grade: branching tight pinching clamps of grade ZOPg-1, ZOPg-2, ZOPg-3; supporting intermediate clamps of ZPP grade; end tightening clamps of grades ZKN-1, ZKN-2.

Research is continued in the DPTF of Belselectrosetstroj JSC for development and introduction of new types of linear valves.

Main customers: Belselectrosetstroj JSC, regional companies of Belenergo SPA, Mingorsvet UE, Brest Electric Lamp Plant JSC, power engineering companies of the Russian Federation and Ukraine.



3 Sukhaya St., 220004 Minsk
 Telephone / Fax: (+375 17) 203-73-03 – reception
 Telephone: (+375 17) 203-32-20 – Director
 (+375 17) 203-55-32 – marketing department
 e-mail: yptk.bsess@gmail.com
 www.tantal-2.by, www.bsess.by

UNP 100325940

ENERGOREMONT

Branch of Mogilevenergo RUE

The activity of Energoremont (Energy Repairs) is rather diversified and aimed at fulfilling orders and satisfying the needs of the enterprises of the Belarusian energy system as well as manufacture of products for foreign customers and other industry branches.

Energoremont only is the manufacturer of peat-processing and peat-mining machines in the CIS-countries.

The principal activities are: manufacture of electrotechnical and heat engineering nonstandard equipment, goods, units and spare part of almost any kind for Mogilevenergo; repair of technological equipment, as well as wide range of works for installation, repair and diagnostics of technical state of steam and water-heating boilers, other power supply objects; repair and construction works of buildings and structures of power plants, boiler-houses, electric and heating systems and other objects of non-industrial sphere.



Ivan Korolev
Director



Energoremont of Mogilevenergo RUE manufactures products of the production and technical purposes:

- ◆ equipment and spare parts for peat extraction;
- ◆ devices for the mechanized loading of boilers operated with the use of wood chips and sawdust;
- ◆ spare parts to various units;
- ◆ cabinets for account of electricity of an external installation;
- ◆ vessels of group I-IV and their components; scraper, strip, auger conveyers;
- ◆ components of steam and hot water pipelines of category II-IV;
- ◆ components of steam and water heating boilers;
- ◆ non-standard equipment and devices for companies of various profiles;
- ◆ manufacture and repair of removable hauling devices up to 25 tons;
- ◆ manufacture and repair of containers up to 25 tons.

The company has been successfully mastering new types of products, including a whole range of units for peat extraction, units for the mechanized loading of boilers operated with the use of wood chips and sawdust. In recent years the company has been actively fulfilling the State Program "Peat".

Since 2005 the branch has been a full-fledged member of the Belarusian Chamber of Commerce and Industry. In 2009 Energoremont obtained a quality management certificate in compliance with the requirements of STB ISO 9001-2009.



Our power for you!

9 Kulibin St., 212008 Mogilev
Telephone / Fax: (+375 222) 72-92-89,
(+375 222) 72-06-66
e-mail: erm@erm.mogilev.energo.by
<http://erm.mogilev.energo.by/>

UNP 700007066



Repairing and Construction Production Unit Energoobsluzhba

Branch of Grodnoenergo RUE

Energoobsluzhba RCPU of Grodnoenergo RUE was established in January 1997.

The main activities of the branch are construction, repair and construction works at the objects of Grodnoenergo RUE as well as outside companies.



Nikolai Ketrik
Director

Energoobsluzhba RCPU of Grodnoenergo RUE performs overhauls and reconstruction of thermal circuits; production, residential, cultural and household buildings and structures. RCPU workers are engaged in roofing works by using the rolled materials and roof construction by using the metal profiles. The branch successfully copes with finishing of walls and masonry of walls and partitions. It is engaged in restoration of roads and pavements built with the use of small tiles. It installs sewerage and electric lighting systems of construction projects.

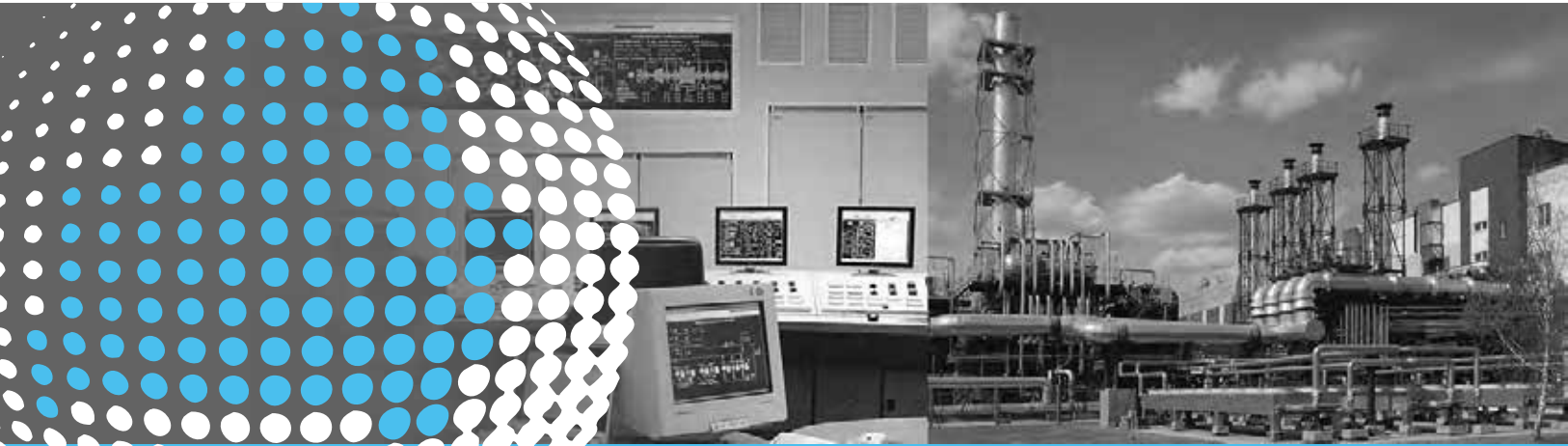
The branch has auxiliary production facilities manufacturing a wide range of prefabricated reinforced concrete structures, including:

- reinforced concrete posts for supports 0.4–10 kV;
- foundation wall blocks;
- slabs and foundations of guards;
- concrete paving tiles;
- hollow floor slabs;
- wall and supporting rings;
- board concrete stones;
- output of ready-mixed concrete and mortar.

18 Skidelskoye Shosse, 230003 Grodno
Telephone / Fax: (+375 152) 75-72-75
e-mail: rspprog@energo.grodno.by

UNP 500036458





**DESIGN AND
RESEARCH
ORGANIZATIONS**

Design Republican Unitary Enterprise **BELGIPROGAZ**

Belgiprogas RUE was established on January 6 1987. Nowadays the company is a principal design organization for development of gas-supply systems on the territory of the Republic of Belarus and protection of gas pipelines against electrochemical corrosion.

Belgiprogas RUE comprises 18 specialized departments, branches in Gomel and Brest which fulfill the whole complex of works for design of gas supply systems and projects. The company is one of the developers of the legislative and standardization base for the gas complex of the Republic of Belarus.

Principal activities of Belgiprogas RUE:

- ✓ development of design documentation for new construction, modernization, reconstruction and overhaul of gas supply systems and projects;
- ✓ design of distribution steel and polyethylene gas pipelines and structures on them;
- ✓ design of gas filling and automobile gas fuelling stations;
- ✓ design of heat and water supply, sewage, ventilation, electric power supply, electric lighting circuits and systems;
- ✓ design of communication networks and fire alarm systems
- ✓ design of remote control, automation and instrumentation;
- ✓ design of gas boiler plants, including modular and roofed ones;
- ✓ design of main pipelines;
- ✓ engineering-geodesic and engineering-geological surveys;
- ✓ development of gas supply schemes of cities, regions and provinces;
- ✓ calculation of fuel needs.

From 2008 to 2013 the company concluded two contracts with PDVSA Gas S.A. (the Bolivarian Republic of Venezuela): "Rendering of professional services for design of gas networks in municipal districts Barinas, Cruz Paredes and Obispos of Barinas state of the Bolivarian Republic of Venezuela" and "Rendering of professional services for design of conceptual engineering for the project "Orinoco – Apure phase I gas pipeline".

Since 2012 Belgiprogas RUE has established relations with the following partners from the Russian Federation: Nizhny Novgorod Engineering Company "Atomenergoprojekt" JSC and Giprogascenter JSC (Nizhny Novgorod), INGAS JSC and Giprospeetsgas JSC (St. Petersburg).

The following objects were completed:

- "Belarusian Nuclear Plant. Power blocks Nos. 1 and 2. Offsite gas supply. High pressure supply gas pipeline and gas regulating station on the industrial site territory";
- "Construction of the power plant at Stavrolen Ltd. Co. High pressure supply gas pipeline";
- "Reconstruction of the off-take gas pipeline and gas distributing station "Zelva" of Slonim UMG" etc.



Denis Moroz
Director

Belgiprogas RUE has necessary licenses and certificates for carrying out the above-mentioned types of activity.

The company has introduced the quality management system meeting the requirements of ISO 9001 in relation to design of buildings and structures of the 1st and 2nd levels of responsibilities, design engineering.

Belgiprogas RUE became a member of the Engineer-Designer Organization in 2010 and fulfills design works in gas and oil industry on the territory of Russian Federation.



11a Domashevsky pereulok,
220036 Minsk
Telephone: (+375 17) 252-90-75
Fax: (+375 17) 213-56-74
e-mail: belgiprogaz@telecom.by
www.belgiprogaz.by



*We are ready to fulfill
a project of any complexity.*

UNP 100122818

Republican Unitary Enterprise **BELNIITOPPROJECT**

Belniitoproject RUE is one of the oldest design and survey institutions in Belarus, it celebrated its 85th anniversary in 2013.

It develops the design and estimate documentation for construction of enterprises and sections for peat extraction, industrial, social and cultural projects, design documentation for machinery and equipment for peat extraction industry, fulfills research and geological exploration work.



Mechislav Zheludok
Director

As before the company's activity is focused at:

- building general layout, complex design of industrial, social and cultural projects;
- design documentation for reconstruction, overhaul, extension and technical refurbishment;
- design documentation for construction of companies and sections for peat extraction;
- technologies and machinery complexes for household fuel production based on peat;
- design of industrial and household boiler plants based on solid and gas fuel;
- development of technologies and equipment for drying the dispersing materials;
- technologies and equipment for production of soils and fertilizers based on peat, as well as biogenic materials;
- projects of recultivation and amelioration of lands;
- engineering research for construction;
- design of access railways with gauge lines 750 mm, 1520 mm and automobile roads;
- minerals (peat and sapropels) prospecting;
- development of substantiation of mountainous offsets of minerals;
- design of pump stations of polder drying systems;
- laboratory analysis of peat and soils;
- ecological surveys (calculation of losses, discharges, etc.).

Over the years of activity Belniitoproject RUE has made a significant contribution to establishment, formation and development of the peat extraction industry of the country.

The accumulated experience in design of construction projects, well established staff of scientific workers and designers make it possible for the institute to solve successfully the problems of the contemporary development stage in the Republic of Belarus.

The foreign economic activity is carried out according to contract with the Czech Republic and the Russian Federation.

Design and research works of Belniitoproject RUE are aimed at maintenance and development of the peat extraction industry, and they include the following directions: allocation of lands with peat deposits for industrial development; preparation of peat extraction fields; construction of railways; recultivation of deserted areas; reconstruction and modernization of peat

brick making shops and industrial areas of enterprises; heat supply systems; power saving measures, development of standardization documents, etc.

Scientific researches are directed for creation of new fuel types along with addition of minerals and industrial wastes, receipts of fertilizers for soils and substrates based on peat

along with recommendations for technologies of their production.

Research and development works embrace a whole range of machinery and mechanized lines for preparation, repair and maintenance of production areas, brick and milled peat production, loading, unloading, transportation and auxiliary works.



**3 V. Khoruzhey St.,
220005 Minsk
Telephone / Fax:
(+375 17) 284-82-10
(+375 17) 284-83-18
e-mail: bnntp@open.by
www.belntp.by**

UNP 100219992





REPUBLICAN UNITARY ENTERPRISE BELNIPIENERGOPROM

Belnienergoprom RUE is a leading design organization in the energy industry of the Republic of Belarus with a great experience in designing of energy supply sources in the Republic of Belarus and abroad. The company was established in 1952.

The company fulfills complex design of power engineering and heat supply projects; it resolves problems of ecology and investments. Great experience of design, advanced equipment and technologies, highly qualified specialists make it possible to resolve problems of any complexity during implementation of investing projects, to render all round aid for customers at preliminary design stages, in the course of complex execution of design and estimate documentation, fulfillment of business planning.

The structural scheme of the company includes 20 main production and 5 auxiliary departments, a testing laboratory accredited for compliance with the requirements of STB ISO/MEC 17025 for measurement of combustion appliance emission and vent emission.

Belnienergoprom RUE has 3 licenses obtained in the Republic of Belarus, 5 certificates – including a quality management system certificate in compliance with the requirements of ISO 9001:2008 (“DEKRA”, Germany).

On September 24, 2009 a certificate (SP No. 000007) was obtained on admission for works which can influence safety of capital construction projects issued by SRO nonprofit partnership “Association of Urban planning and design” (the Russian Federation).

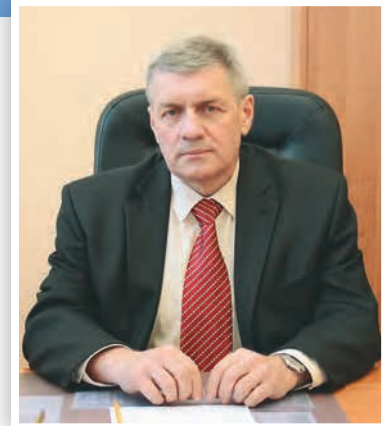
Principal activities of the company:

- development of investment feasibility studies and business plans;
- development of power supply schemes of regions, industrial hubs;
- technological and construction design of a complex of buildings and structures of new and modernized thermal power plants, boiler plants, main thermal networks;
- design of production, construction and repair bases of power engineering and industrial projects;
- evaluation of energy supply sources and industrial enterprises on environment and preparation of ecological passports;
- development, installation and adjustment of energy supply sources APCS;
- energy audit of energy supply sources and industrial enterprises;
- adoption of highly efficient steam and gas technologies both during construction and during reconstruction and modernization of existing energy sources;
- improvement of cycle arrangements at existing energy sources using CCGT plants and gas powered electrical generators during expansion and modernization;
- development of designs of energy sources operated on local types of fuel, using the energy of steam and gas choking flows, wind-driven power plants;
- design of hydroelectric power plants.

***Our projects mean
light and warmth in your houses!***

The company permanently cooperates with specialized research, design, production and power machine engineering companies of the Russian Federation and Ukraine, it successfully works with all power engineering associations and companies on the territory of the Republic of Belarus and in some areas of the Russian Federation. Business contacts are maintained and cooperation is broadened with manufacturers and suppliers of power engineering equipment both in the CIS countries and foreign countries.

The institute’s employees participated in designing and construction of foreign projects in Yugoslavia, Nigeria, Iran, China, joint development of projects with foreign companies ABB, SIEMENS, GEC ALSHTOM, RAUCONSULTING, INTERCHEM ENERGI INC, ENERGIECONSULTING, HEIDELBERG, etc.



Andrei Rykov
Director



**5a Romanovskaya Sloboda St.,
220048 Minsk
Telephone: (+375 17) 226-52-77
Fax: (+375 17) 226-53-17
e-mail: belnipi@energoprom.by
www.belnipi.by**

UNP 100152060



Research and Design Republican
Unitary Enterprise

BELTEI

BELTEI RUE fulfills projects of any complexity on a turnkey basis in the sphere of energy supply and industry; the company is a leading Belarusian enterprise in creation of automated control systems of energy supply objects, development of recording system of all types of energy supply and energy supply sources, complex design of min-CHP; offers the best engineering services in the Republic of Belarus in relation to quality-to-price ratio.



The company is ready to offer a full range of services to the customer – from project development, equipment supply and installation to commissioning works and putting into operation in the following activities:

- development and support of investing projects;
- design of power engineering projects;
- automation of technological processes;
- automation of control and account of energy carriers;
- energy audit, fulfillment of measures for improvement of energy efficiency;
- introduction and modernization of thermal equipment of enterprises;
- tests of equipment and goods;
- metrological support;
- innovations;
- civil, installation, adjusting and commissioning works;
- technical supervision;
- training of the operation personnel of power engineering projects;
- development of documents in the field of power engineering, publishing activity;
- production of products for power engineering and industry.

Experience of development and introduction, participation in large projects

Over the years of work starting from 1964 the company's employees have developed and introduced automated control systems for power blocks 200, 300, 500 MW at some biggest power plants of the former USSR, as well as Lukomlskaya SDPP, Gomel CHP-2, Grodno CHP-2 and Mogilev CHP-2 of the Republic of Belarus.

The company's employees have successful experience in development and introduction of modern automated control systems for technological processes at energy blocks PGU-215 MW at Beryozovskaya SDPP (units Nos. 3, 4), energy block PGU-230 MW at Minsk CHP-3, energy block T-250 MW at Minsk CHP-4 (unit No.4), at Lukomlskaya SDPP.

Projects were worked out and systems of commercial account of electric energy, heat and fuel were introduced at numerous projects.

An automated control and account system for power consumption in Minsk has been established, construction projects of ASKUE system have been fulfilled for generating sources of 5 regional energy supply systems.

Mini-CHPs projects have been worked out and implemented on the basis of combined-cycle and gas turbine plants at a number of big industrial enterprises: Belarusian Cement Making Plant RUE, Belarusian Gas Processing Plant RUE, Mogilevkhimvolokno JSC, Integral SPA, Baranovichdrev, Mogilev Railway Car Repair Shed, Belorusneft Production Association in Rechitsa, etc.

BELTEI RUE occupies the leading position among organizations which perform inspections of power engineering enterprises. Only during the recent years power engineering audits have been carried out in Belenergo SPA, Beltransgas JSC, Beltopgas SPA and their district subdivisions, Mogilevkhimvolokno JSC, the Belarusian Railway, Belorusneft RUE Production Association, Coca-Cola Beverages Belarus Joint Venture, Glass Making Plant "Elizovo" SCJSC, ZEBT Horizont Private Company, Obol Ceramic Plant Communal Production Unitary Enterprise, Health Resort "Yunost" State Institution, National Library of the Republic Belarus State Institution, Minsk Engine Making Plant JSC, Belaeronavigatsiya State Enterprise, as well as many projects of the Russian Federation.

Patents, certificates, licenses regulating the company's activity

21 permits were issued to the company for fulfillment of research and design works, manufacture of products, including 12 licenses, certificates, accreditations and 7 patents issued by the authorized organizations of the Republic of Belarus, 2 certificates of access to a certain type of works issued by the authorized organizations of the Russian Federation.



5 Romanovskaya Sloboda St., 220048 Minsk
Telephone: (+375 17) 200-40-57 – reception
e-mail: hafi@beltei.by
www.beltei.by

UNP 100145188

BEENERGOSETPROEKT

Belenergoproekt RUE is a unique Belarusian enterprise to fulfill a range of design works in construction and reconstruction of the electricity objects such as overhead power lines and electricity substations (including closed switch gear) of all rated voltage classes.

Latest scientific technologies, modern power equipment and digital systems are being widely used in the designs of the enterprise.

We also possess a broad practical design experience of the above mentioned objects abroad.



Andrei Korotkevich
Director

Principal activities of Belenergoproekt RUE:

- Design and survey works of the electricity objects:
 - transformation substations and 35–750 kV overhead power lines;
 - 6–20/0.4 kV power substations and 0.4–20 kV overhead power lines;
 - 35–750 kV switch gear of power plants;
 - fiber-optic communication lines.
- Engineering services for the construction and reconstruction of the electricity objects.
- Turnkey construction of the electricity objects.
- Power centers and districts development schemes.
- Development of consumers' external power supply schemes.
- Design of smart grids.
- Design of automation systems such as telemechanics (STIE ASO – system of technological information exchange with the automated system of the operator), APCS – automated process control system, AMR technologies – automatic meter reading, systems of electricity quality parameters control and analysis.
- Environmental protection (ecological passport, estimation of influence on the environment, design of protecting sanitary zones, electricity objects' physical factors influence minimization).
- Electric power scientific research.
- Development of technical regulations and legal acts.
- Inventive activities.
- Business-plans of the investment projects.



A highly productive management quality system is functioning at the enterprise. It is certified in compliance with the international standard ISO 9001 and German accreditation system DAkkS in the National system of conformity of the Republic of Belarus.

The management quality system provides proper development of the design documentation for construction and reconstruction of substations and overhead power lines. It ensures a high quality of the design works the demands to the latter being constantly increased.

Belenergoproekt RUE is a member of a self-regulating design organization "Obinzproekt" in the Russian Federation.

*Full range of design and research works
for electricity generation facilities*



5 1st Tverdy Per., 220037 Minsk
Telephone: (+375 17) 294-12-51
Fax: (+375 17) 294-12-16
e-mail: enproekt@besp.by
www.besp.by

UNP 100230521

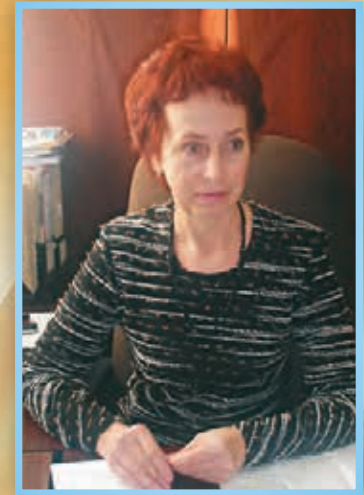
NAUCHNAYA ORGANIZATSIYA TRUDA

Nauchnaya Organizatsiya Truda RUE (Scientific Labour Management) was established on the ground of the Decision of the Council of Ministers of the BSSR, No. 383 dated 29.12.1971 (par.8), Resolution of the Glavgas of the Council of Ministers of the BSSR, No. 54 dated 12.04.1972 and Resolution of Beltopgas, No. 6 dated 03.08.1992

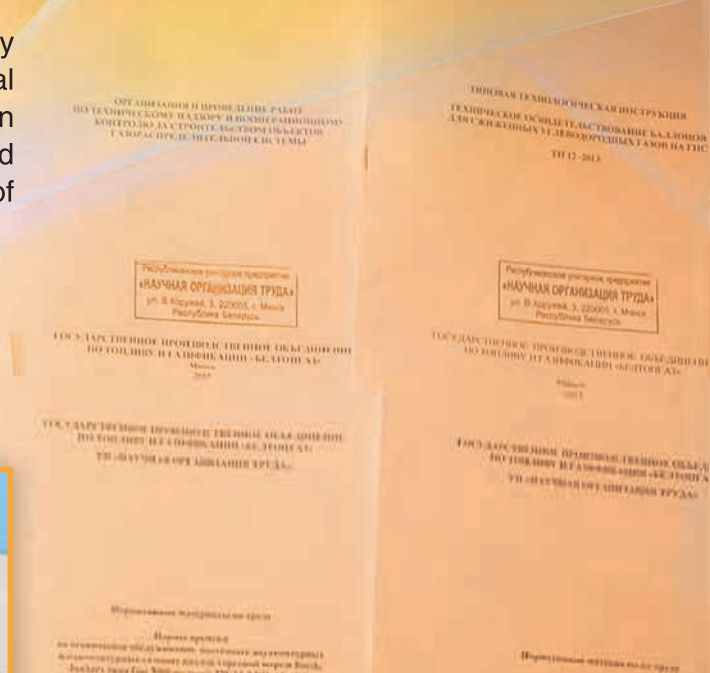
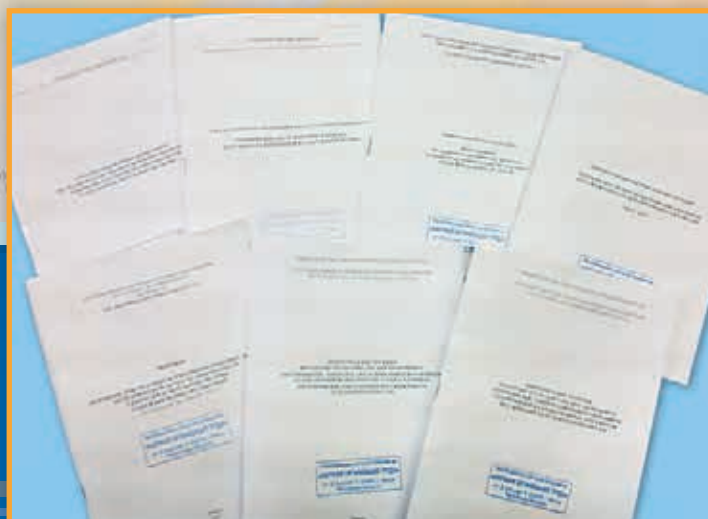
Nauchnaya Organizatsiya Truda RUE is a commercial company of the republican form of ownership included into Beltopgas State Production Association of the Ministry of Power Supply of the Republic of Belarus.

The company was established to conduct research in the field of organization, standardization and labour protection (group code 73100 – scientific researches and development in the field of natural and technical sciences).

Nauchnaya Organizatsiya Truda RUE is primarily involved in development of local stanardization legal acts: technological instructions, labour protection instructions, stanards, specifications for labour and other documents to be applied by the organizations of Beltopgas State Production Association.



Svetlana Kuruskina
Director



3-415, V. Khoruzhaya St.,
220005 Minsk
Telephone / Fax: (+ 375 17) 284-93-29
e-mail: not2005@yandex.ru

UNP 100262440

Joint Stock Company **ECONOMENERGO**

Economenergo State Enterprise was established in 1993 on the base of the consulting bureau for labor and social security of Belorusenergo territorial Power Supply Association. In 2008 it was transformed into Economenergo Joint-Stock Company. In 2010 the company was reorganized by merging with Energeticheskaya Strategiya JSC as a branch of Information and Publishing Centre.

The company carries out the following activity:

- *Participation in implementation and development of strategies for power engineering:*
 - formulation of programs for development of the industry;
 - determining the best management structures.
- *Information and analytical support of activities of the organizations which report to the Ministry of Energy: organization of information data bases, including equipment, its main technical, economic and ecological specifications.*



Andrei Yakushev
Acting Director

The company fulfills a complex of works for development of departmental standards for the industrial production personnel, rates of time and consumption of materials for repair of main and auxiliary equipment in power engineering, as well as other documents which are subsequently used by the enterprises of the power engineering industry in their current activities.

From 2004 to 2013 the company was the exclusive performer of the branch program for development of new standards and improvement of the existing standards for work quota setting of the Ministry of Energy of the Republic of Belarus on the basis of the Resolution of the Ministry of Labor and Social Security of the Republic of Belarus No. 134 dated November 26, 2004.



3 Sukhaya St., 220004 Minsk
Telephone / Fax: (+375 17) 327-38-86,
(+375 17) 218-24-31
e-mail: ekonomenergo@tut.by

UNP 100071379



**EDUCATIONAL
INSTITUTIONS**

EDUCATIONAL INSTITUTION

State Institute for Professional Development and Re-training in the area of gas supply

GAS-INSTITUTE



Alexander Lapko,
Candidate of Physical and
Mathematical Sciences, Associate Professor
Rector

GAS-INSTITUTE SIPDR is a state institution offering additional education of professionals under the legislation of the Republic of Belarus, resolutions of the Ministry of Energy of the Republic of Belarus and the Institute's Regulations.

The Institute includes six branches and nine representative offices.

In accordance with the permission (license) of the Ministry of Education of the Republic of Belarus, the Institute offers:

- re-training programs for professionals with university degrees in such subjects as "Technical operation of mining machines and equipment (open-field mining works)", "Labour safety in energy industry", "Technical operation of heat and power installations and heat supply systems", "Economics and management at industrial enterprises", "Energy management", "Technical operation of gas distribution and gas consumption facilities";
- professional development programs for professionals which are responsible for operations of gas distribution and gas consumption facilities, proper condition and operation of steam and hot water pipelines and boilers; and for labour safety officers.





On the basis of the permits of Gospromnadzor of the Ministry for Emergency Situations of the Republic of Belarus the Institute offers continuing education programs for professionals which are responsible for management and safety of work at facilities and factories supervised by Gospromnadzor; special development and re-training programs for people involved in transportation of dangerous goods; re-training programs with professional awards “boiler house operator”, “gas based equipment servicing and maintenance technician”, “boiler house fireman”.

The Institute has a research and testing laboratory for efficient use of fuel and energy resources; its state-of-art equipment allows to carry out thermo-technical measurements and energy analysis which serve as a basis for development of energy-saving measures and for setting energy and fuel resources consumption limits for factories and plants.

The Institute is capable to produce study posters and other poster products, study films and study 2D and 3D animations, and to develop Java-based software.



8, 1st Tverdyi pereulok, 220038 Minsk
Telephone: (+375 17) 294-65-11
Fax: (+375 17) 284-31-18
e-mail: gazinstitut.minsk@open.by
www.gazinstitut.by

UNP 100215147



Nikolai Hartanovich,
Candidate of Engineering Sciences,
Docent

Director

The Center for professional development of managers and professionals in the energy industry was established in 1994.

Its principal activities are:

- methodological support and organization of a study process;
- development, improvement and implementation of new study technologies;
- R&D activities using INPO-Energo creative potential.

The Center operates on the basis of:

- License No 02100/510 dated 25.02.2011 of the Ministry of Education of the Republic of Belarus;
- Accreditation Certificate No 0004100 dated 21.01.2013 of the Ministry of Education of the Republic of Belarus.

Training programs offered by INPO-Energo are customized for various categories of participants.

At large, they are power supply system managers of various ranking, as well as mid- and high ranking professionals, including very specific spheres. The Center trains managers and professionals from RUE-Oblenergo, power plants, electricity grids; managers and professionals from electric inspection service, power/electricity supply, relay protection and automation departments; managers and professionals of all rankings from field operations control center: Interregional and Central dispatch offices, Duty and Area control services, and other managers and professionals involved in operations of the Belarusian energy system.





Trainings are offered at INPO-Energo premises in Minsk but on-site trainings are also possible. For instance, Molodechno power systems center has been repeatedly hosting unique staff training in live operations without disconnecting consumers.

Continuing development programs for participants with vocational and university degrees are offered in the following disciplines: "Power supply industry", "Management", "Communications", "Law", "Economics and Management of production", "Architecture and Construction".

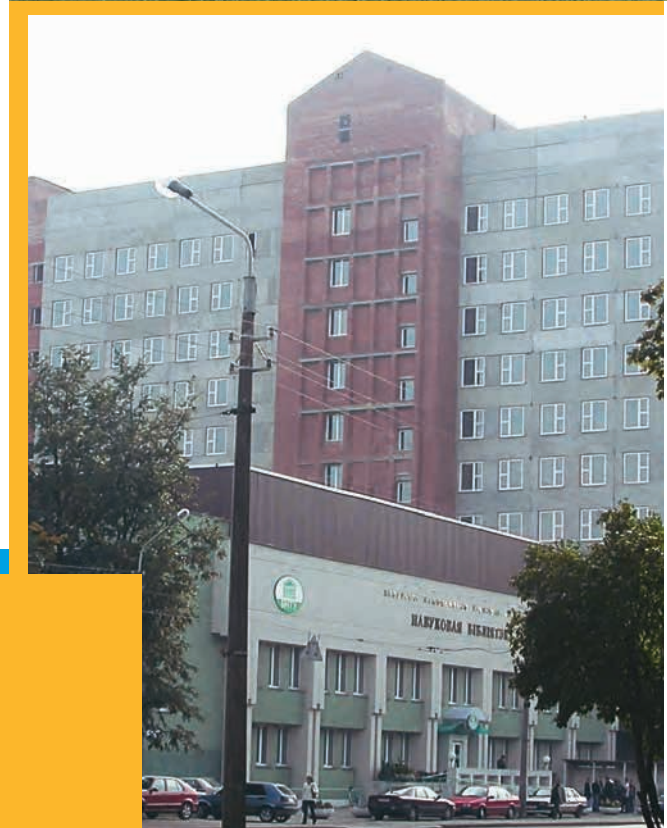
Since the beginning INPO-Energo has been closely cooperating with RUE-Oblenergo and its education centers, and with the Power Engineering Department of the Belarusian National Technical University.

INPO-Energo also offers its services and expertise in:

- R & D in natural and technical sciences;
- technical tests and research;
- accommodation;
- publishing.

INPO-Energo constantly improves, develops and implements new education methods and technologies in a number of fields. Thanks to the scientific potential of its employees, candidates of engineering sciences and docents, INPO-Energo actively completes scientific and technological assignments within the framework of the state programs and upon requests from RUE-Oblenergo. Recent years have seen the development of district heating supply system with heat pumps for a number of RUE-Oblenergo power supply facilities, the development and implementation of program and diagnostics unit for the duty control center of the Belarusian energy supply system. The Center also produces short films on current issues with an emphasis on following safety standards.

INPO-Energo has obtained a number of patents in Belarus for its inventions.



14-125 K. Marx St., 220004 Minsk
 Telephone / Fax: (+375 17) 218-26-43
 Telephone: (+375 17) 218-22-07
 (+375 17) 218-26-88
 e-mail: 7753531@gmail.com

UNP 100744289

Personnel Training Center «Energetik» of Brestenergo RUE

Training Center “Energetik” of Brestenergo RUE offers training and professional development programs for employees, managers and energy supply industry professionals in more than 35 disciplines.

The training center in Brest has been recently renovated and upgraded, and now it is a education base with latest equipment. The center’s study-and-training grounds are among the best in the country.

The personnel of the branch is working on the improvement of educational process, further development of training facilities and comfortable environment for the trainees.

58 Dzerzhinsky St., 224030 Brest
Telephone / Fax: (+375 162) 27-13-98



Training center of Vitebskenergo RUE

Training center of Vitebskenergo RUE has two training locations – at Lukomlskaya SDPP and Novopolotsk CHP and is the largest specialized institution for continuing education of professionals and employees of Vitebsk and other power supply systems of Belenergo SPA.

The Training center provides quality education to develop and improve professional skills in changing power supply industry production environment. Trainings are offered in 252 approved disciplines. The Center received its state accreditation from the Ministry of Education on July 23, 2013 (Accreditation certificate No 0000002) and now is allowed to train managers and professionals in “Engineering and Technologies” and “Architecture and Construction”.

Since its establishment more than 80 thousand employees and professionals of the Belarusian power supply system and other enterprises have passed training in the Center.

38a Poliarnaya St., 210017 Vitebsk
Telephone: (+375 212) 27-78-20
Fax: (+375 212) 23-19-88
e-mail: uc@vitebsk.energo.by



Training center of Gomelenergo RUE

Training center of Gomelenergo RUE ensures continuing professional education for the employees of the Gomel energy system and maintains their education level as required for successful work.

The Training center is largely responsible for: re-training and professional development of the employees, professional development of the managers and professionals, other types of training as might be required by Gomelenergo RUE, including simulator training, labour safety training, development of additional skills associated with their profession.

Trainings are often conducted by guest teachers – highly qualified managers and professionals of the Gomel energy system who have a substantial work experience and training expertise and teachers from other education establishments and organizations.

7a Frunze St., 246001 Gomel
Telephone: (+375 232) 79-62-66
Fax: (+375 232) 74-54-25
e-mail: u_center@gomel.energo.net.by



Training center of Grodnoenergo RUE

Training center of Grodnoenergo RUE is responsible for providing high professional level of education to meet the current energy industry development level.

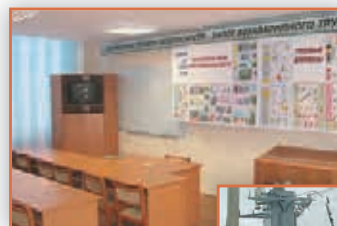
Currently, the Center offers training in 60 energy-related subjects and Gospromnadzor disciplines. Power supply system employees can also participate in psychological tests to ensure their compliance with the professional requirements.

All the training programs are adapted to reflect any changes in regulatory and methodical documents. Training is conducted with a wide use of technical means of education, including training performance checks and study simulator computer programs.

Practical training in actions and procedures for various production operations in near-real circumstances is conducted at the study-and-training grounds which are also often used to hold professional skills competitions "Best in a profession".

Training center of Grodnoenergo RUE was the first among Belenergo enterprises to receive a special permission (license) and state accreditation in 2013 which allows it to offer professional development programs for managers and professionals with state certification award.

49 Ozheshko St., 230023 Grodno
Telephone: (+375 152) 77-12-17, 79-22-86
Fax: (+375152) 79-24-59
e-mail: uc@energo.grodno.by



Training and professional development center of Minskenergo RUE

Training and professional development center of Minskenergo RUE was created to satisfy education needs of managers, professionals, line workers from power plants, electric and cable and heating grids, energy industry controlling and consumption authorities, and other entities by offering educational programs for re-training, professional development, training courses, on-site training.

Educational process is conducted in accordance with the annual study plan based on training requests from respective branches and other entities in 68 study programs for line workers and 32 study programs for managers and professionals. Employees from hazardous production facilities are trained on the basis of respective permissions from Gospromnadzor.

The Center trains around 2 000–2 500 people annually.

87a Partizansky Ave., 220026 Minsk
Telephone: (+375 17) 295-04-39 – reception
Fax: (+375 17) 295-04-39
e-mail: uch@minskenergo.by



Training center of Mogilevenergo RUE

Training center of Mogilevenergo RUE provides training for line workers and professional development training for line workers and professionals of all ranking, including simulators, to improve equipment reliability, operations efficiency and quality maintenance.

Enrolling 16 staff members, the Center provides training to more than 2 thousand employees of energy system.

22a Zaslouov St., 212015 Mogilev
Telephone: (+375 222) 25-07-92
Fax: (+375 222) 29-32-41
e-mail: uc@mogilev.energo.by





Educational Institution

MINSK STATE POWER ENGINEERING COLLEGE

Minsk State Power Engineering College is the only educational institution in the Republic of Belarus which trains mid-ranking specialists for the country's power supply industry.

The College was established by Order No. 94 dated 24.03.1971 of the Ministry of Power Supply and Electrification of the USSR as Minsk State Power Engineering Technical School and was later transformed into Minsk State Power Engineering College by Order No.167 dated 25.10.2000 of Belenergo Concern.



Leonid Gerasimovich
Director

The following educational programs are offered:

- state-subsidized:
 - 2-43 01 01 "Power plants", full-time, for candidates with basic and general secondary education;
 - 2-43 01 04 "Thermal power plants", full-time, for candidates with basic education;
 - 2-70 02 01 "Industrial and civil construction", full-time, for candidates with basic education;
 - 2-53 01 04 "Automation and management of power engineering processes", full-time, for candidates with basic education;
- fee-based:
 - correspondence course
 - 2-43 01 01 "Power plants", full-time and part-time, for candidates with basic and general secondary education;
 - 2-43 01 04 "Thermal power plants", full-time and part-time, for candidates with basic and general secondary education;
 - 2-70 02 01 "Industrial and civil construction", full-time and part-time, for candidates with basic and general secondary education;
 - 2-53 01 04 "Automation and management of power engineering processes", full time, for candidates with basic education.

In 1999 the College began to offer professional development courses for managers and professionals of mid-ranking energy industry employees. From 2008 till 2012, 2157 persons received professional development training.

The labs, classrooms and workshops are equipped with latest equipment which is analogous with the equipment installed at power plants and substations of the entities included in Belenergo.

For 40 years of its existence, the College has trained more than 20 thousand high-skilled specialists who are now employed at various enterprises both in Belarus and the CIS countries. Some alumni are high-level employees of various divisions of Belenergo.



38 Radialnaya St., 220070 Minsk
Telephone: (+375 17) 295-42-31 – reception
Fax: (+375 17) 295-41-34
e-mail: energcol@user.unibel.by
www.MGEK.unibel.by

UNP 691509277



**AGROINDUSTRIAL
COMPLEX**

Lebedev Agroindustrial Company

Division of Gomelenergo RUE

“Lebedev Agroindustrial Company” is a dynamically developing agroindustrial enterprise which is located in Vetka district, Gomel region. The owner is Gomelenergo Republican Unitary Enterprise.

The company possesses 2234 hectares of agricultural lands, including 1614 hectares of ploughed fields. The average index of the ploughed fields is 35.

The livestock (as of January 1, 2014) totals 2155 animals, including 478 cows.

Main production areas of “Lebedev Agroindustrial Company” are: growing of grain crops and pulse crops, potatoes; production of milk and cattle meat.

In plant growing industry the company’s employees rely upon introduction of progressive technologies, improvement of land use efficiency. The required machinery, tractor-driven and suspended units are available for performance of all agricultural works.

A grain drying complex KZSV-30, a granary for 1000 tons, a fuelling station, 15 residential houses for employees of the branch were built.

The scheduled modernization of animal-breeding projects and upgrade of equipment make it possible for the company to increase production volumes of animal products and to improve their quality.

The company is interested in mutually beneficial partnership in all areas of its activity.

Products:

- beef;
- milk;
- grain, rapeseed, potatoes

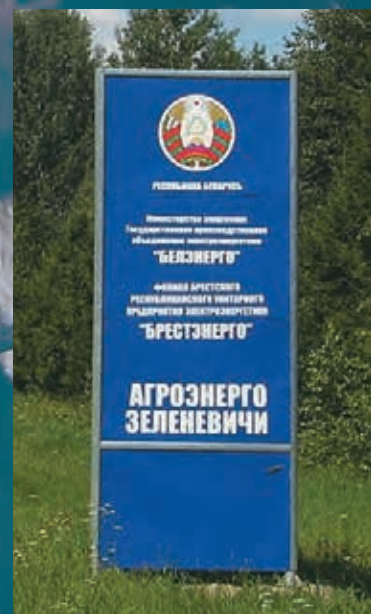
Danilovichi village, Vetka District,
247125 Gomel Region
Telephone / Fax:
(+375 2330) 3-64-41
Telephone: (+375 2330) 3-64-17,
(+375 2330) 3-64-79
e-mail: im.lebedeva@yandex.ru

UNP 401148007



Agroenergo Zelenevichi

Agricultural Division of
Brestenergo RUE



“Agroenergo Zelenevichi” Division of Brestenergo RUE comprises 8 townships, 404 farm homesteads with 720 residents. The center of the branch – Zinovichi village – is located at the distance of 65 km from the district center of Pruzhany, 170 km from the regional center of Brest, 75 km from the railway junction – Oranchitsy station.

The enterprise’s territory includes the Village Council, a secondary school, a rural health post, a community services center, 5 shops, a recreation center and a library, a post office, a forest ranger station, a sauna.

The enterprise mainly focuses on production of grains and rapeseed, cattle breeding and dairy production.

The gross production structure includes 37% of milk, 13% of grown products, 29% of grain crops.

“Agroenergo Zelenevichi” has 3 cattle breeding farms, including 2 dairy ones, two plant growing teams, a repair workshop under the reconstruction, a vehicle fleet, two modern grain drying complexes with the capacity of 40 tons.

The total land area: 4923 hectares;

Agricultural lands: 4381 hectares;

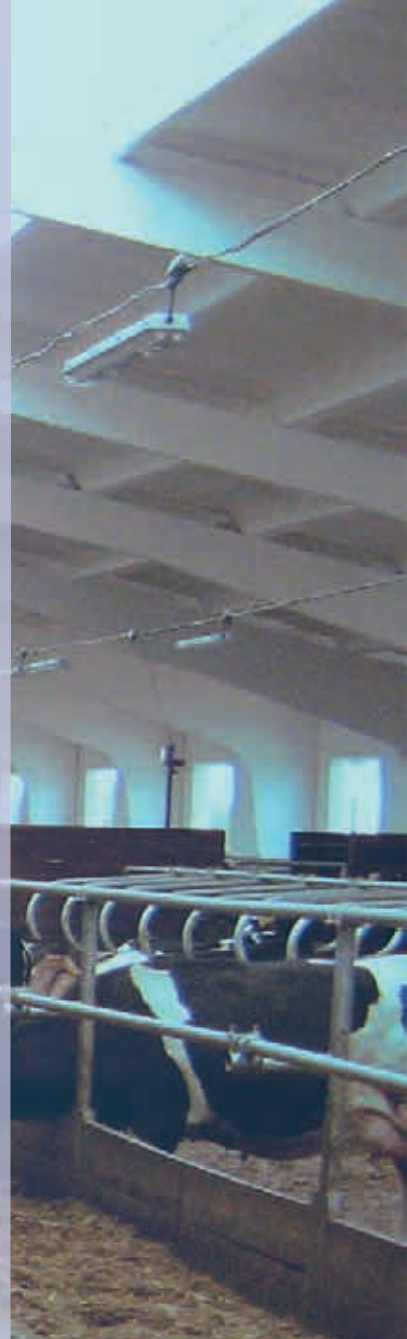
Arable lands: 3839 hectares;

Meadows: 538 hectares.

The average index of the arable land fertility is 32.2, index of hayfields and pastures is 30.6 scores.

As of January 01, 2014 the enterprise cattle stock was 2879, including 1650 cows.

The enterprise is properly equipped with agricultural machinery, tractors with a set of combined sowing units, loaders, trucks, grain and fodder harvesters.



**19 Centralnaya St.,
Zinovichi village,
Pruzhany District, 225156 Brest Region
Telephone / Fax: (+375 1643) 4-91-89 – reception
Telephone: (+375 1643) 4-91-32**

UNP 201006489



Antonovka-Agro

Agricultural Production Directorate of Gomeloblgas RPUE

2 Internatsionalnaya St.,
Antonovka village,
Zhlobin District, 247248 Gomel Region
Telephone: (+375 2334) 6-95-25, 6-95-44
Telephone / Fax: (+375 2334) 6-95-09

UNP 401147054



“Antonovka-Agro” Agricultural Production Directorate of Gomeloblgas RPUE is a dynamically developing agroindustrial enterprise located in Zhlobin district, Gomel region.

The farm owns 1873 hectares of agricultural lands, including 1094 hectares of arable lands. Quality score attributed to land is 33.4. Cattle stock 1561, including 492 cows.

The production structure of “Antonovka-Agro” APD includes: a dairy farm, three farms for young cattle animals, a field team, grain-dryer, a machinery fleet, a repair workshop, a repairing and building team.

The main activities: cattle breeding, production of milk and meat, growing of grain crops and pulse crops for the cattle breeding industry, commodity production of rapeseed and grain crops.

In the plant growing industry the company’s employees rely upon introduction of progressive technologies, improvement of the efficient use of lands. The required machinery, tractor-driven and suspended units are available for performance of all types of works in fields.

The planned modernization of cattle breeding complexes and renewal of equipment make it possible for the company to increase production volumes of cattle and improve its quality.

The main buyers of the plant growing products are: Rechitsa Bakery Making Plant JSC, Novobelitsa Bakery Making Plant JSC, Zhlobin Meat Processing Plant JSC, branch of Fodder Making Plant, etc. A small part of plant growing products is sold to the local population.

Main buyers of cattle breeding products are: milk – Rogachev MKK JSC; meat – Zhlobin Meat Processing Plant JSC.

The company is interested in mutually beneficial partnership in all areas of its activity.

Bobrovichi

Agricultural Division of MINSKOBLGAS UE

Bobrovichi agro-town,
Volozhin District, 222360 Minsk Region,
Telephone: (+375 1772) 3-74-78 – director
(+375 1772) 3-76-68 – operator
Telephone / Fax: (+375 1772) 3-76-31



The agricultural division “Bobrovichi” was formed by affiliating Bobrovichi PUE (Private Unitary Enterprise) with MINSKOBLGAS UE in accordance with the Decision of the Council of the Ministers of the Republic of Belarus, No. 1225 dated September 29, 2004 and the Decision of the Minister of Energy dated June 27, 2004.

The agricultural division “Bobrovichi” is located in the central part of Volozhin district, Minsk region. Bobrovichi village is the central farmstead (5 km to the district center).

The main activities: cattle breeding, production of meat and milk, growing of grain crops, pulse crops for the needs of cattle breeding, production of grain crops, rapeseed, sugar beets.

The total land area of the agricultural department “Bobrovichi” is 4665 hectares, including agricultural lands – 3942 hectares, of which arable lands – 2229 ha. Cadastral score of the arable lands is 32.7, the quality score of farmland is 29.6 scores. The gross output of grain crops in 2013 was 5272 tons and the average crop capacity was 48.5 centners per hectare.

As of January 1, 2014 there were 2368 heads of cattle, including 830 cows.

The organizational structure includes plant growing production facilities, two dairy complexes (for 910 cattle stock), 6 calf-sheds and premises for cattle growing and breeding (for 1071 cattle stock). There is a workshop, store premises, a fuelling station.

UNP 601055699

BUBNY

Division for manufacturing of agricultural products
of MINGAS UE



Alexander Brill
Director

“Bubny”, a division for manufacturing of agricultural products of MINGAS, Production Republican Unitary Enterprise. The branch is located in the North-Western part of Minsk region at the distance of 60 km from the district center and 20 km from the railroad (Parafyanovo station). Bubny is the central farmstead.

The main activities are: cattle breeding, production of milk and meat, growing of grain crops, pulse crops for cattle breeding industry, commercial production of rape and grains.

The total land area used by the company is equal to 3.6 thousand hectares, including agricultural lands – 2.7 thousand hectares, ploughed lands – 1.2 thousand hectares. The fertility index of agricultural lands – 27.2, the fertility index of ploughed area – 27.4. The branch covers the territory of 10 settlements.

As of January 1, 2014 the cattle stock was 1415, including 500 cows.

The production base of the company includes 2 dairy farms, a grain drying complex, 4 grain storages and a fodder making shop. The company also has a repair shop, storage premises, a fuelling station.



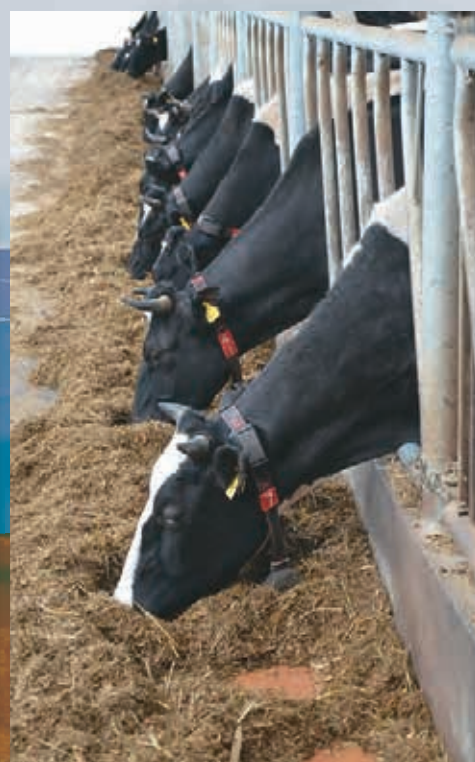
**Bubny village,
Vileika District, 222460 Minsk Region
Telephone: (+375 1771) 2-36-17
Fax: (+375 1771) 2-36-30**

UNP 601055803



During the period from 2004 to 2014 a grain drying complex ZSK-40 was put into operation, a dairy farm and other production projects were reconstructed, the machinery fleet was renewed, arched structures were built for storage of the forage grain and coarse fodder, natural gal lines were connected, and the construction of a new commercial dairy farm has been completed.

Commissioning of new production premises, improvement of working conditions, adherence to production and technical discipline made it possible for the agricultural branch "Bubny" to increase volumes and improve the quality of the agricultural products.



VENDOROZH

Agricultural Division of Mogilevenergo RUE

2 Tsentralnaya St.,
Vendorozh agro-town,
Mogilev District,
213150 Mogilev Region
Telephone: (+375 222) 21-32-10,
(+375 222) 21-32-43
Fax: (+375 222) 21-32-14

UNP 700839226

“Vendorozh”, a division of Mogilevenergo RUE, was formed in February 2005 as the result of the merger of the agricultural company UKSP Sovkhoz “Vendorozh” to Mogilevenergo RUE.

The division is located in the South-Western part of Mogilev District in 20 km from Mogilev. It includes 20 settlements. Agro-town Vendorozh is the center of the company.



“Vendorozh” branch specializes in cattle breeding totaling 70% of all agricultural products.

Plant growing having the main part of production expenses is of the complementary character; it provides fodder for cattle breeding, fulfills plans for selling grains and plants used in industry to the state.

The division produces, processes and sells agricultural products; it consists of 5 sections of the main land plot and 4 small separate sections. The lands which belong to the enterprise occupy 4842 hectares, including arable lands – 4465 hectares.

2 farms are located on the territory of the enterprise, including 2 commercial dairies (“Zaverezhie”, “Complex”) and 3 farms for cattle fattening (“Kuty”, “Zhuravets”, “Kontrolny”). Cattle stock in farms is 2562, including 774 dairy cows and 1788 cattle livestock (rearers and fatteners).

The machinery fleet consists of 37 tractors and loading facilities, as well as 13 trucks, 7 grain harvesters, including a complex of agricultural soil processing and fodder harvesting machinery.

The enterprise has put into operation a modern dairy complex intended for 700 heads. Modern dairy equipment which allows to increase labour productivity considerably has been installed at the dairy complex. By 2015 the company plans to double its profit from sales of agricultural products.



Domanovo Agricultural Production

Division of Brestoblgas UE

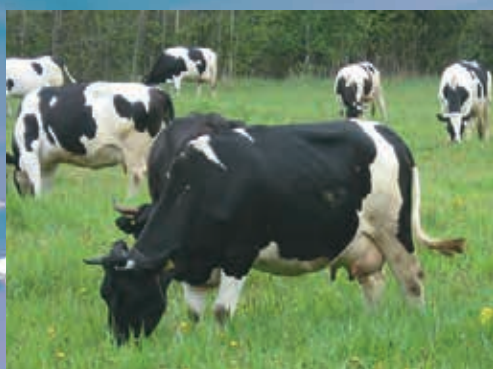


Grigory Kostuyk
Director

“Domanovo” APD became a division of Brestoblgas UE in 2005. The farm is located in the North-Eastern part of Ivatsevichi district in 25 km from the district center Ivatsevichi. The central farmstead of the company is Domanovo village. There are 4 settlements on the territory of the company.

Principal objectives of the company include:

- production, storage, processing and sales of agricultural products;
- wholesale and retail trade of the manufactured products;
- exploring and developing new sales markets;
- ensuring high culture of plant growing and animal breeding, rational use of the available land and other natural resources;
- introduction of newest facilities and technologies to production;
- compliance with sanitary and hygienic standards and regulations, fire fighting rules, labour protection, safe operation of equipment and mechanisms.



Principal activities: cattle breeding, production of meat and milk, growing of grain crops, pulse cultures for cattle breeding, production of rapeseed and grain.

The total land area of “Domanovo” Company is equal to 3977 hectares, including croplands – 3325 hectares, of which arable areas – 2105 hectares. The ploughed area has the fertility index of 28.4. The gross yield of grains in 2013 was equal to 2734.4 tons with the average crop capacity 30.1 centners/hectare.

As of January 1, 2014 there were 1869 heads of cattle, including 840 cows. Milk yield per 1 cow in 2013 was 5475.9 kg. The company steadily occupied the leading positions in animal breeding in the district.

To provide own fodder a strong fodder base has been established, grain is grown, as well as corn for grains and silage, perennial and non-perennial crops.

Since 2011 production of cheese has been organized on a give-and-take basis for their further export to the Russian Federation.

125 employees are working at the company. Favorable conditions have been provided for highly productive labour at all working positions.

Residential apartments are built for those who is in need of better living conditions, as well as for attraction of qualified personnel, flats are repaired, and gas supply is provided to the existing housing.

**14 Sovkhoznyaya St.,
Domanovo village,
Ivatsevichi District, 225280 Brest Region
Telephone / Fax: (+375 1645) 5-42-18 – reception**

UNP 200274574

Teplichny

In December 2008 “Teplichny” Communal Unitary Agricultural Enterprise (CUAE) of Orsha district was include into Vitebskenergo RUE and “Teplichny” division of Vitebskenergo RUE was established on the basis of the property complex of this company.

The enterptise’s activities include manufacturing, processing, storage and sale of agricultural products, through the division’s trade network.

Principal activities of the company include production of vegetables in the protected soil (cucumbers, tomatoes, greenery) and vegetables in the open soils (cabbage, carrot, kitchen beet), milk production, production of grain and fodder.

The main objective of the company is to provide residents of Orsha and Vitebsk, nearest areas of Vitebsk and Mogilev regions with early vegetables.

The company is a waste-free, environmentally friendly production. Great emphasis is made to ensure high quality of the products.

The company has a testing laboratory at the canning production shop which provides quality control of products.

Sales of the grown vegetable production are accompanied with a certificate of compliance with the requirements of the legislation.

Divisions of Vitebskenergo RUE



***Growing plants,
animal breeding, sales.***

Orekhovsk township,
Orsha District, 211026 Vitebsk Region
Telephone: (+375 216) 27-02-44 – Director
(+375 216) 27-04-98 – Sales department
(+375 216) 27-06-91
Fax: (+375 216) 27-04-93
e-mail: orexovsk@tut.by
www.vitebsk.energo.by

UNP 300985179



Vesna-energo

“Vesna-energo” is a division of Vitebskenergo RUE established on the basis of the merged agricultural company. It carries out its activity for manufacturing, processing and sale of agricultural products.

Principal objective of the company is to provide of early vegetables to residents of Polotsk and Vitebsk region.

Vegetables from the protected soil (cucumbers, tomatoes, greenery) dominate in the range of the products manufactured by the company. Their share totals about 70% of the whole proceeds. Besides, the company grows vegetables in the open soil: carrots, cabbage, red beets.

Cucumbers, tomatoes, lettuce, dill, parsley, basil are grown in winter greenhouses.

Grain crops include winter rye and barley, oatmeal and pulse cultures.

Animal breeding focuses on production of milk and growing of breeding heifers.

The company's employees possess a vast experience in production sphere and have high qualification as well as experience in implementation of projects of technical reequipment.

Chernoruchye-1 village,
Polotsk District, 211400 Vitebsk Region
Telephone: (+375 214) 47-51-10 – Director
(+375 214) 47-51-45 – Sales Department
(+375 214) 47-51-39
Fax: (+375 214) 43-93-96
e-mail: vesna-snab@vitebsk.energo.by
www.vitebsk.energo.by

UNP 300979583



*Production, wholesale and retail trade
of vegetables in protected and open soil*

Agricultural Production Company

Gazovik-Sipakovo of Shklov District Gas Service of Mogilevoblgas RUE

“Gazovik-Sipakovo” Agricultural Production Company of Shklov District Gas Service of Mogilevoblgas RUE was founded in 2005 in the result of reorganization of Mogilevoblgas RUE by takeover of “Gazovik-Sipakovo” Agricultural Production Company.

The company is located in the South-Eastern part of Shklov district; its administrative and economic center is situated in Savelenki village in 8 km from Shklov and in 30 km from Mogilev.

The company’s activity includes production, processing, storage and sale of agricultural products.

Principal activities include cattle breeding, production of meat and milk, growing of grain crops, pulse crops for animal breeding, production of rapeseed and grain.

“Gazovik-Sipakovo” Agricultural Production Company specializes in milk and meat production with the well developed production of grain crops. Perennial herbs, corn, rapeseed are cultivated to create a strong fodder base.



Komarovka village,
Shklov District, 213041 Mogilev Region
Telephone: (+375 2239) 9-89-33
(+375 2239) 9-89-32
Fax: (+375 2239) 9-89-34

UNP 700010367



“Gazovik-Sipakovo” Agricultural Production Company has 6227 hectares of agricultural lands, including 5657 hectares of croplands, of which 4333 hectares are arable areas. The fertility index of the ploughed area is 33.4 and for croplands 34.1. The gross yield of grain in 2013 was equal to 5155 tons with the average crop yield of 38.8 centners/hectare.

As of January 1, 2014 cattle stock was 5440, including 1750 cows. The milk yield per 1 cow was equal to 3480 kg in 2013.



Dubrava-agro

Division of Gomelenergo RUE



In 2005 a separate structural division – “Dubrava-Agro” Division of Gomelenergo RUE was established on the basis of “Dubrava-Agro” Agricultural Production Company.

The central farmstead of the company is located in Dubrova settlement in 25 km from Svetlogorsk, Gomel region.

Principal activities of the company are:

- in animal breeding – production of cattle meat and milk;
- in plants growing – production of grain and forage, potatoes, rapeseed.

The animal breeding sector is the major one for the company.

The company possesses 6306 hectares of agricultural areas, including 3257 hectares of arable areas. The average index of croplands 24.2, of arable areas is 27.2. Cattle stock is 4406, including 1116 cows. Also, there is a small farm for rabbit breeding and an apiary.

In the industry of plants growing the company employees' rely upon introduction of progressive technologies, higher efficiency of land use. They have all the required equipment, tractor-driven and suspended units for performance of all types of works in fields. Planned modernization of animal breeding objects, equipment renewal makes it possible for the company to increase production volumes of animal products and improve their quality.

The average number of the company's employees is 210 people, 195 of which are engaged in the agricultural production.

At present, “Dubrava-Agro” is a dynamically developing agro-industrial company. The agro-town has a modern inn, shops, a sports and health center with a sauna, a billiard, tennis, a gym.

In 2012 “Dubrava-Agro” won the 1st place in Gomel region during the All-Republican competition of land use, high culture of farming, development of machinery yards, cattle breeding farms and complexes, as well as the 1st place in the district competition among the agricultural companies of the region.

The company is interested in mutually beneficial partnership in all areas of its activity.

Dubrova agro-town,
Svetlogorsk District, 247415 Gomel Region
Telephone: (+375 2342) 6-38-39, 6-38-38
Telephone / Fax: (+375 2342) 6-38-39
www.dubrava-agro.agronews.by

UNP 401146933



Protasovshchina

Agricultural Production Division

of Grodnooblgas UE

27 Shkolnaya St.,
Kamenka agro-town, Shchuchin District,
231555 Grodno Region
Telephone: (+375 1514) 3-46-44 –
reception

UNP 500826909



Principal activities include cattle breeding, milk and meat production, growing of grain and pulse crops for animal breeding, production of grain, rapeseed, buckwheat.



“Protasovshchina” has the area of 4945 hectares, including croplands 4211 hectares, including 2217 hectares are arable land. The arable land has the index of 36.8, croplands – 33.7. The gross yield of grains in 2014 was 7386 tons with the average crop yield of 66.5 centners/hectare.

As of 01.01.2014 the cattle stock was 2853, including 860 cows. The milk yield per 1 cow was 6155 kg.

By the decision of Grodno City Executive Commission, No. 17 dated 14.01.2005, Sovkhoz “Protasovshchina” Communal Unitary Agricultural Company was renamed to “Protasovshchina” Agricultural Production Division and joined to Grodnooblgas UE as an agricultural division.



***Our main goal is production
of environmentally friendly,
high quality and organic products.***

Lebedevo Agricultural Company of Minskenergo RUE



In 2004 in accordance with the Program of social and economic development and rebirth of rural areas, “Lebedevo” Agricultural Company was joined to Minskenergo RUE as a division.

“Lebedevo” Agricultural Company specializes in animal breeding – production of milk and cattle and pigs breeding, in plants growing – grain crops and production of fodder.

The company is located in the North-Western part of Molodechno district, Minsk region, and includes 20 settlements.

As of January 1, 2014 the branch had 6344 hectares of lands, including 5820 hectares of croplands, of which 3031 hectares are arable areas, 2622 hectares of meadows, 169 hectares of perennial plants. The fertility index of croplands and arable areas is 32.1 and 36.9, respectively.

The total number of cattle stock – 4630 (including 1530 cows at three farms for additional breeding and fattening and five dairy farms), there are 2006 pigs.

Technical reequipment of “Lebedevo” Agricultural Company and observance of technology of agricultural production taken by Minskenergo RUE since 2004 have made it possible to increase production volumes owing to higher crop yields of cultivated cultures and cattle breeding efficiency. Higher productivity of the milking herd was achieved owing to purpose oriented stock breeding, rejection of low producing livestock and introduction of high-producing 192 Hungarian and 14 Russian cows.

The company has reconstructed and modernized dairy farms and cattle breeding premises. Fodder distribution is fully mechanized; milking parlors are equipped with computer system of milk accounting by making it possible to control productivity of each cow daily and to perform stock breeding effectively.



14 Pervomaysky pereulok,
Moroski village,
Molodechno District,
222315 Minsk Region
Telephone: (+375 176) 72-04-51
Fax: (+375 176) 72-04-50
e-mail: info@aflebedevo.tk
www.aflebedevo.tk

UNP 601055949



Installation of modern refrigerating units of the closed type with milk cooling down to $+4^{\circ}\text{C}$ made it possible in 2013 to sell 93% of milk as “extra” and higher category.

In 2012 construction of a modern dairy farm was completed for 2250 livestock.

On November 28, 2013 the agricultural company put into operation a biogas complex with electrical capacity 0.5 MW operated on wastes of agriculture and food processing industry. The complex will allow to provide thermal and electric power to the farm, as well as to get effective fertilizer for enhancing soil fertility.

In order to keep abreast of the times the agricultural company has fully switched over to integrated technologies of plants protection from pests and diseases. Trains were made in the field of cultivation of main agrarian cultures by means of mold soil procession; growth stimulators are actively applied making it possible to improve plants immunity to diseases and to reduce expenditures for fungicide treatment.



Mazolovogas

Agricultural Production Company

of Vitebskoblgas UE

In February 2005 in accordance with the Decision of the Council of Ministers of the Republic of Belarus “On reorganization of certain republican unitary enterprises” No. 1604 dated December 20, 2004, Vitebskoblgas UE was reorganized by takeover of “Mazolovo” Agricultural Production Company (APC).

Subsequently, the company was transformed into “Mazolovogas” APC of Vitebskoblgas UE.

Since 2005, within the framework of the measures for improvement of economic efficiency of the agricultural production, optimization of technological processes and increase of production volumes in Vitebskoblgas UE, the farming company has been integrated with other companies in the area.

Principal activities:

- cattle breeding;
- milk production and sale;
- production and sales of grain seeds and seeds of winter rape oilseed;
- production and sale of seeds of perennial herbs.

The total land area of “Mazolovogas” APC is equal to 5678 hectares, including croplands – 4285 hectares, of which ploughed areas constitute 3075 hectares. The arable areas have the fertility index of 23.0, the croplands – 25.0. The gross yield of grain in 2013 was 4732 tons and the average crop yield was 36.4 centners per 1 hectare.

As of January 1, 2014 the cattle stock was 2207, including 956 cows.



1 Mekhanizatorov St., Mazolovo township,
Vitebsk District, 211310 Vitebsk Region
Telephone: (+375 212) 29-58-30
(+375 212) 29-57-18
(+375 212) 29-57-24 – accounting department
Fax: (+375 212) 29-56-85

UNP 300002084



In the total proceeds volume of the agricultural company the biggest specific weight belongs to cattle breeding production – 77%, 79% of which fall on sales of milk.

In 2013 the gross milk yield in the company was equal to 5704 tons, the yield of milk per 1 cow – 5967 kg.

In 2009-2011 a scientific and production complex was put into operation for milk production with a designed capacity for 900 heads and a dispensary for 180 calves.

The complex involves the use of modern forage and energy saving technology of breeding agricultural animals: unbound maintenance of cows, milking with the use of automatic robots along with computerization of the milking processes, identification of zootechnical and veterinary account, individual feeding of cows, preparation and distribution of fodder which is well balanced by all components with the aid of mobile mixers-distributors. In 2013 the yield per 1 forage cow at the robotized complex was equal to 7027 kg.

Owing to the use of advanced technologies a share of “extra” category milk in the total volume of the milk obtained at the complex was equal to 96%.



Sary Dvoret's Agricultural Company of Grodnoenergo RUE

Sary Dvoret's village,
Berestovitsa District,
231776 Grodno Region
Telephone: (+375 1511) 47-4-40
Fax: (+375 1511) 47-1-41
e-mail: af@energo.grodno.by

UNP 500826832

“Sary Dvoret's” Agricultural Company (AC) as a newly created branch of Grodnoenergo RUE was registered on January 14, 2005.

The central farmstead of the company in Sary Dvoret's village is located in 10 km from Berestovitsa township which is a district center in Grodno region. 8 settlements are located on the territory of the agricultural company.

The agricultural company specializes in milk and meat cattle breeding and has a well developed grain and beet growing facilities.



Victor Bairak
Director

The main products are:

- in plant growing – grain, rapeseed and sugar beets;
- in cattle breeding – milk and meat of the cattle.



The total land area of the company is 3200 hectares; the total area of croplands is 2954 hectares, including ploughed area 2427 hectares, hay fields – 96 hectares; pastures – 431 hectares.

The fertility index of lands on the whole in the company – 36.4, of pastures – 37.0.

As of 01.01.2014 the cattle stock was 2219, including 745 cows.



“Sary Dvoret's” AC includes a production agricultural section, a dairy farm, two farms for additional cattle growing and fattening and a number of servicing divisions (the central repair workshop, a garage, storage facilities, oil storage facilities, a saw mill, etc.).

The company possesses the required agricultural machinery and vehicles to carry out its activity.

It sells grain as a part of the state order to Lidakhlebproduct JSC, Grodnokhleproduct JSC, Rossy Mixed Forage Making Plant UE, Slonim Wine Distillery UE; rapeseed – to Grodnobioproduct CJSC, Grodnoagroinvest Ltd. Co.; sugar beets – to Skidel Sugar Making Plant JSC.

It sells milk to Berestovitsa Milk and Cheese Making Factory, cattle – to Volkovysk Meat Processing Plant JSC, Grodno Meat Processing Plant JSC, as well as to district organizations of consumer cooperation.

In recent years the agricultural company has contributed essentially to the development of its production and social sphere: a fleet of vehicles has been renewed; a highly efficient grain cleaning and drying complex “PETKUS” has been put into operation which allows to receive promptly, dry, clean and put into storage the harvested crops; a dairy complex “Beriozka” for 720 cows has been put into operation; dairy complexes are under reconstruction; construction of an agrotown has been completed.

All fulfilled work is aimed at the achievement of higher production results and improvement of well being of the company's employees.



**HEALTH
AND RECREATION
COMPLEX**

Zheleznyaki Health Complex of Vitebskenergo RUE

Ruba township, Vitebsk District, 211321 Vitebsk Region
www.zheleznyaki.by e-mail: 291617@mail.ru
+375 212 29-10-85 – reservation/administrator
+375 212 29-16-17 – reservation/marketing consultant
+375 212 29-22-95 – director

UNP 300000252

Health complex “Zheleznyaki” of Vitebskenergo RUE is situated in the picturesque place on the bank of the Zapadnaya Dvina river not far from Vitebsk (25 km).

This health complex specializes in treatment of diseases of the musculoskeletal system, cardiovascular system, breath organs and urology.

Patients of Health complex “Zheleznyaki” use the services of:

- ◆ physio-, water- and thermal treatment;
- ◆ medical rooms: urological, manual therapy, massage and stone therapy, hydraulic massage, procedural, medical physical training with mechanisms for training, stomatological, halotherapy (salt cave), reflexotherapy (acupuncture), IR sauna, ozocerite and mud therapy, and the cosmetic room.

The complex is located in a mixed forest among coniferous and deciduous trees. Proximity to the wonderful nature makes it possible to provide the required conditions for complete relaxation, to enjoy pure air and beautiful landscapes.





Guests of the complex live in single and double rooms which vary in cost and comfort with all conveniences, including those of the "luxury" category.

Along with medical procedures a great attention is paid to leisure time organization: foot tapping discos, meeting and acquaintance parties, theatrical performances and sports competitions, interesting excursion programs will allow to relax and be prepared for full rests and rehabilitation.

Health complex "Zheleznyaki" is glad to invite amateurs of hot steam to a Finnish sauna with a cool water pool and a fireplace hall which facilitates sincere talks.

The dietetic nutrition 4 times per day is organized for the guests in accordance with the "ordered menu" system.

There is a lawn tennis court with an artificial coating, volley-ball and basketball playgrounds on the territory of the complex for amateurs of the active rest. Sports inventories may be taken on the hire basis.

"Zheleznyaki" is a cast-iron health for the whole family!

Nadzeya Health Resort of Brestoblgas UE

Health Resort “Nadzeya”, P/O Sosnovy Bor,
Zhabinka District, 225119 Brest Region
Telephone: (+375 1641) 3-83-47
Telephone / Fax: (+375 1641) 3-81-19
e-mail: nadzeya@brest.gas.by
www.nadzeya.com

UNP 200274574



As a medical and preventive treatment institution of the first category, the Health Resort “Nadzeya” can simultaneously take in 250 guests. The architecture of residential and service buildings is functionally aimed at creation of all conditions for comfortable rest and treatment.

Splendid climatic conditions, a convenient geographic location of the health resort, a constantly renewable treatment base and the professional servicing personnel make it possible for the health resort to be a competitive and profitable company.

The medical base of the health resort is provided with new modern equipment and training devices. Medical, sports and health complexes comply with the strict European standards.

The following services are offered to the guests: a specially equipped physiotherapeutic room, an inhalatorium, a room for psychological rehabilitation, rooms of acupuncture and reflexotherapy, laser therapy, a dentist office, a halotherapy room, a phyto bar, a room for paraffin, ozocerite and mud applications, massage (manual and mechanical), a hydropathic establishment (hydraulic massage box, underwater massage shower, bath hall), a cosmetology room, a muscle therapy room. Various diseases are treated with the use of medicines. All doctors (a cardiologist, a therapist, a pediatrician, an acupuncture therapist, a psychotherapist) have the first qualification category. Medical, treatment and rehabilitating procedures are prescribed by the doctors for each guest in accordance with the disease profile.

“Nadzeya” health resort of Brestoblgas UE is one of the best health resorts of Brest region and on the whole of the Republic of Belarus. It is located on the territory of Zhabinka district in 36 km from the regional center, on the bank of the main tributary of the Zapadny Bug river – the Mukhavets river, in an environmentally friendly district.

Basic directions of the treatment in the health resort are: diseases of circulatory system, musculoskeletal system, nervous system and respiratory system.

Guests may use a gym for medical physical culture, a training gym, sports grounds for mini-football, basketball, volleyball, tennis and a shooting gallery.

“Teply Vecher” bar of the 2nd extra charge category for 50 persons is functioning, it can be used for organization of corporative events, rest and dance parties.

The Church of the Icon of the Mother of God the Healer is located on the health resort territory.

Meals are provided 5 times per day according to diets Nos. 15, 10, 9 of the ordered menu in the dinner hall equipped with air conditioners.

There is a spectators’ hall with 120 seats for leisure time spending, where concerts take place and video films are shown every day. There are also a library, a dance hall, a hiring station for boats, catamarans, bicycles and sports inventories, a beach and chargrills. Discotheques, rest parties, entertaining programs, sports events are performed every day. Excursions are organized to the memorial complex “Brest Fortress”, the Belovezhskaya Pushcha, Kobrin Military and Historical Museum named after A.V. Suvorov, as well as rows on “Grodno” steamer on the Mukhavets-river, etc.

The family rest is organized in “Nadzeya” health resort on the basis of rouchers.



“Nadzeya” is waiting for you for your rest and health!

Energiya

Health Center of Brestenergo RUE

31 Lenin St.,
 Belooziorsk, Beryoza District,
 225215 Brest Region
 Telephone: (+375 1643) 63-4-03, 29-2-45
 Fax: (+375 1643) 28-0-64
 e-mail: panasyuk@brestenergo.by
www.sanprof-brest.by

UNP 200050653



“Energiya” health and recreation center is located on the territory of Belooziorsk of Brest Region in a birch wood, and this a small but cozy and modern center where employees will be glad to render their services to the guests.

The principal objectives of activities are:

- rendering medical services;
- organization of sports and medical service packages;
- rendering hotel services.

Medical specialization: Treatment of diseases of the musculoskeletal system, the cardiovascular system, the respiratory system, the nervous system.

The health center offers to experience the majestic power of SPA-procedures: a cosmetic room, body care (wrapping, peeling, various types of massage (stone therapy, general relaxing massage with aromatic oils), face care (masks, massage), a SPA-program for legs and hands.

Treatment facilities:

- **electric light treatment:** magnet-photo-laser therapy (Milta, Refton, Snag, Photospock); light treatment (KUF, Bioptron); electric treatment (SMT, DDT, darsovalization, electrophoresis, US-therapy);
- **hydrotherapy:** raising shower, circulation shower, jet shower;
- **balneotherapy:** turpentine baths by Zalmanov; treatment medicinal baths (conifer, sea, etc.); bubble baths; hydraulic massaging baths; hydraulic massage baths for upper limbs; hydraulic massage baths for lower limbs; underwater massage shower;
- **thermal treatment:** paraffin applications; mud applications (eco-sapropel); mud applications (radon);
- **phytotherapy;**
- **oxygen cocktails;**
- **inhalation therapy:** medicinal inhalations; aroma therapy; halotherapy (salt cave);
- **variable compression therapy:** lymphomate;
- **dry carbon dioxide baths;**
- **SPA-capsule;**
- **manual massage;**
- **technical massage** (therapeutic stimulating massaging device);
- **rehabilitation gym.**



Sosnovy Bor

Health Complex of Vitebskenergo RUE

“Sosnovy Bor” health complex is located in the picturesque place of Belarus in the pine forest on the South-Western bank of the Lukomlskoye lake of Vitebsk region. Here, all the required conditions have been provided for the full rest, natural and medical factors are harmonically combined.

“Sosnovy Bor” health complex is intended for reception of 65 guests, who live in two summer houses and a building of the rehabilitation complex.

Guests may stay in single or double rooms, or “junior suites” as well as in a summer houses with all conveniences. Five meals per day are included in the voucher cost, there is a service of food cooking by order.



Treatment types: electric light treatment, laser therapy, paraffin-ozocerite treatment, manual underwater massage, inhalation chamber, therapeutic exercise, acupuncture, phytotherapy, music and aroma therapy, stomatologic services. New rooms are opened: local cryotherapy, cosmetic services, SPA-therapy, dry spine traction, galoinhalation, ultrasound diagnostics, psycho emotional discharge room.

Preventive disease treatment is carried out in the Health complex:

- of the nervous system;
- of the gastrointestinal tract;
- of the musculoskeletal system;
- of the cardiovascular system;
- of the respiratory system;
- of skin diseases.

A balneology section is in operation, including:

- a drinking pump-room of mineral water;
- mud, salt baths (with lavender, mint, chamomile, motherwort, hawthorn, ginseng, pion, calendula), coniferous, valerian, bubble, swirling;
- treatment showers;
- hydraulic massage, manual underwater massage;
- dry carbon dioxide baths.



**“Sosnovy Bor” Health complex,
Novolukoml, Chashiki District,
211162 Vitebsk Region
Telephone: (+375 2133) 3-87-30,
(+375 2133) 3-83-23**

**Telephone / Fax: (+375 2133) 2-65-69,
(+375 2133) 5-66-66
e-mail: lukbor333@mail.ru
www.lukbor.by**

UNP 300000252

“Sosnovy Bor” health complex possesses a good sport base: a therapeutic exercise gym with training equipment for performance of mechanical therapy, a hall for ping pong and billiard, volleyball, basketball, badminton playgrounds; hire of sports inventories; boats and catamarans, road bicycles, skis. Cultural and entertaining events often take place: discotheques, karaoke, sport competitions, games in open air.

Group excursions to Lukomlskaya State District Power Plant, Polotsk, the historical center of the Republic of Belarus, the Berezina Biosphere Reserve, the Museum Complex of Old Folk Handcrafts “Dudutki” will introduce some variety into your rest. Amateurs of fishing may enjoy their hobby on one of the biggest lakes of Belarus – the Lukomlskoye lake. Amateurs of walks in woods may enjoy fresh air and beauty of a pine forest.



***“Sosnovy Bor” health complex will be glad to greet visitors
all the year round!***

ENERGETIK Health Resort

Division of Grodnoenergo RUE

Kovali village, Volpa P/O,
Volkovysk District, 231908 Grodno Region

Telephone: (+375 1512) 3-07-49, 3-07-82, 3-07-92

Fax: (+375 1512) 3-07-01

e-mail: volpa@energo.grodno.by

www.volpa.energo.by/



Tereza Sidorovich

Director

“ENERGETIK” health resort is a medical and rehabilitating institution of the first category of the national importance intended for preventive treatment and rehabilitation of the population of the Republic of Belarus and foreign citizens. The health resort was put into operation in July 1996.

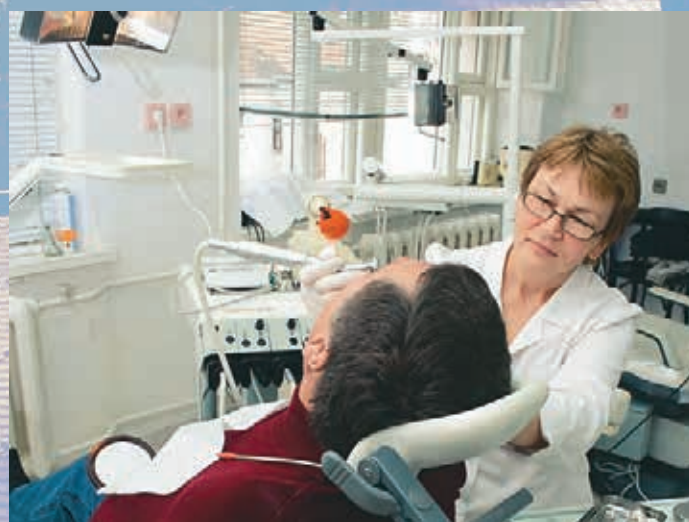
It is located in a picturesque pine forest on the bank of the Volpa water reservoir in 60 km from Grodno. The health resort has been receiving an increasing number of guests in recent years.



This medical and rehabilitating establishment specializes in diseases of the cardiovascular system, the nervous system, the musculoskeletal system, gynecology.

“ENERGETIK” health resort is intended for simultaneous rest of 285 guests, and it offers 8 two-storeyed comfortable buildings with single and double rooms, 9 summer houses built in two elevations, a canteen for 400 persons with waiters and preliminary orders of menus in accordance with diets, a café-bar, a club, a medical building, a physical exercising and rehabilitating complex, therapeutic mud-baths.

The health resort treatment facilities are equipped with the most sophisticated diagnostic equipment, and highly qualified medical employees work there. The medical facilities also include rooms for vertical underwater vertebral column stretching, reflex therapy, monitoring cleaning of intestines, a dentist's room, a gynecologic room, a room for functional diagnostics with the modern diagnostic equipment.



The physical exercising and rehabilitating complex includes a water-pool, a gym and fitness facilities, a hiring station of bicycles, catamarans, skis, sledges, a billiard with 12-feet tables. Guests of the resort can play volleyball, basketball, mini-football, handball, table tennis in a sports hall. Experienced coaches perform well-qualified instructions in the hall for training equipped with an exercise bicycle, a race track, weight lifting facilities.

There is a boating station (hydrocycling) on the bank of the Volpa water reservoir.

Guests can use a cinema and concert hall, a sauna, a library, a bar, a shop. There is a beauty salon, a branch of Belarusbank JSSB, a post office, a chemist's shop on the territory of the health resort.



 Энергетик
САНАТОРИЙ

UNP 500839476

Health Center

Energetik

of Minskenergo RUE

Minskenergo RUE has its own health and recreation facilities that also includes a health centre “Energetik” and a children’s summer camp with the same name, which is located in Zelenaya settlement in Minsk region.

“Energetik” summer camp is open every summer and its facilities are available round-the-clock a day. It is built to accommodate 256 children simultaneously. Each summer season, it hosts up to 1024 children in four sessions.

P/O Zaslavl, Zelenaya settlement
Minsk District, 223036 Minsk Region
Telephone / Fax: (+375 17) 502-20-72
(+375 17) 544-62-98
(+375 17) 218-44-97
(+375 17) 218-45-35

UNP 100071593

Following the completion of complex reconstruction work, a new building opened its doors to guests in October 2013. It has single and double rooms and can accommodate over 70 people.

All rooms are equipped with modern furnishings, a TV-set, and household appliances such as a refrigerator, a microwave oven and an electric kettle.

The territory is enclosed by a fence. It has its own recreation zone with barbecue facilities alongside summer huts. Fans of outdoor activities will find all the sports facilities and equipment they need: skis, skates, bicycles, a tennis court, billiards, as well as a gym, swimming pool, sauna and so on.

Fresh air scented with the fragrance of pine trees in this beautiful natural setting will help you relax and enjoy your time here.



Wellness centre:

- Medical baths: freshwater, aromatic, remedial; a four-chamber galvanic bath, foot and hand baths;
- Multi-jet shower;
- Carbon dioxide bath;
- Manual massage;
- Thermal massage on a Nuga Best bed;
- Lymphatic drainage;
- Halotherapy (utilizing the health benefits of salt wells);
- Mud therapy (general and local mud applications);
- Oxygen cocktails;
- Physiotherapy: electrotherapy, magnetotherapy;
- Thermal therapy: wax and ozocerite applications;
- Inhalations.

*Friendly personnel will create the atmosphere of comfort,
home warmth and coziness.*



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www.energystrategy.by

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19 Chicherin St., 220029 Minsk

Telephone / Fax:

(+375 17) 286-08-28

(switchboard),

e-mail: info@energystrategy.by,
2934682@mail.ru

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MATERIAL AND TECHNICAL PROVISION



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Belenergobankomplekt JSC is a specialized departmental company which carries out centralized and wholesale material and technical provision of production and technical resources, materials and equipment for capital construction, repairing, operation and preventive works to the companies included in Belenergo SPA.



Mikhail Mikhalev
Director

A list of works and services carried out by Belenergobankomplekt JSC:

- organization and performance of purchases of goods for the needs of the energy system of the Republic of Belarus and for other companies of the republic;
- production of heat insulation goods made of foamed polyurethane (half-cylinders having diameter from 219 mm to 1020 mm);
- transportation services:
 - loading and unloading with the use of an automobile crane;
 - loading and unloading with the use of a gantry crane;
 - loading and unloading with the use of a fork loader;
- storing;
- lease of own real estate.

Belenergobankomplekt JSC makes rigid foamed polyurethane shells intended for heat insulation of hot and cold water and heating pipelines, oil pipelines, etc.

Advantages of our heat insulating products made of foamed polyurethane:

- labour input during installation of foamed polyurethane heat insulation is by 23 times less than when various types of mineral wool are used;
- the guaranteed operation period without change of thermal physical and strength specifications is by 30 times higher;
- installation does not depend on weather conditions;
- rigid foamed polyurethane is resistant to solvent, fuel, mineral oils, dissolved acids and alkalis, industrial gases and atmosphere, it does not contain corrosive active substances;
- a wide range of insulation diameters and thicknesses;
- possible work just from a storehouse.

The working style of the personnel of Belenergobankomplekt JSC is a persistent fulfillment of obligations in relation to quality of products, deadlines and terms of supply and payment.

12a K. Marx St., 220030 Minsk

Reception:

Telephone: (+375 17) 218-20-38, Fax: (+375 17) 226-90-94

e-mail: info@besk.by

Deputy Director for production –

Telephone: (+375 17) 506-04-79, Fax: (+375 17) 328-50-41

e-mail: besk@mail.ru

Transportation services – Telephone / Fax: (+375 17) 506-04-87 – operator

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UNP 100104659



Joint Stock Company

BELTOPGASKOMPLEKT

The company's history started with the Decision of the Council of Ministers of BSSR, No. 215 dated 01.08.1988, "On the General Management Scheme of the State Committee of BSSR of Fuel and Gasification" and the Decision of the State Committee of BSSR of Fuel and Gasification, dated 09.08.1988, No.1, for establishment of the specialized self-accounting department "Beltopgaskomplekt". Over the period of its activity, i.e. more than 25 years since the date of its establishment, the company has been renamed four times. In 2008 Beltopgaskomplekt Open Joint Stock company was established.

The principal activity of the company is provision of gas equipment (gas and gas-electric stoves, household gas boilers and water heaters, cylinders, pressure regulators, gate valves, devices of gas account and control, etc.) for gasification objects, including residential houses under construction in urban and rural settlements, including agro-towns, individual residential houses in areas contaminated with radio nuclides; overhaul of residential houses; replacement of failed household gas appliances due to their long-term operation, as well as providing regional gas supplying companies with vehicles, storage batteries, tires, etc. The share of these activities in the total volume of proceeds equals to 75%.



Evgeny Kazelko
Director

Beltopgaskomplekt JSC has created the required material and technical base from the own funds in Usjash settlement of Smolevichi region of Minsk region.

Storage premises of over 2 thousand square meters allow to store up to 5 thousand gas and electric stoves, three thousand units of gas equipment, instrumentation, automation devices, other products.

The company's own vehicles are used for delivery of products to enterprises of Beltopgas SPA, as well for rendering the transportation services to other companies for delivery of cargoes within and outside the Republic of Belarus.

Over the period of the company's activity it has sold more than 3 million gas, gas-electric and electric stoves.

Expansion of its activities, the fulfilled organizational and technical work make it possible for the company to work steadily for more than 25 years and to increase constantly the commodity turnover volumes.

Since 2003 on the basis of the Decision of the President of the Republic of Belarus the joint-stock company has organized and performed the centralized purchases of goods for organizations integrated in Beltopgas SPA at the expense of own funds of customers, as well as at the expense of the innovation fund of the Ministry of power Engineering.

Nowadays, "Beltopgaskomplekt" OJSC is a trading company (an official trade representative) and an organizer during performance of centralized purchasing procedures by companies of the industry.



Licenses of the company:

- license No. 02190/0512675 for carrying out the activities in the field of automobile, inland water, sea transport (including transportations inside the republic for own purposes);
- license No. 50000/0537318 for carrying out the retail trade (including alcohol drinks and tobacco products) and public catering;
- license No. 02010/14523 for carrying out the guarding activities.



3 V. Khoruzhei St., 220005 Minsk
Telephone: (+375 17) 284-83-11 –
reception
(+375 17) 284-50-27

Fax: (+375 17) 284-51-89
e-mail: info@beltopgazkomplekt.by
www.beltopgazkomplekt.by

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