



Business Delegation from North Rhine-Westphalia Industry 4.0 / Internet of Things

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Thomas Schumacher
CEO



Christoph Mueller
Business Development



Beck IPC was established in 1992 with the focus on factory automation. Beck invented the industrial PC for Din Rail mounting and the SoM (System on Module) at this time called IPC@chip which took the IPC technology down to the embedded level. Beck's products and services starts from embedded development & solutions over M2M and process gateways over customized PLCs, touch panel and motion controllers. As reference we can name market leaders such as Festo, Panasonic, Hitachi, Fuji Electric, SEW, VW and many more.

In 2006 Beck did its first "cyber physical system" solution for a 200 MW "Virtual Power Plant". 10 years later Beck is the leading German IIoT company for the industrial Internet of Things. From IoT@chip over shop floor gateways (Profibus/Net, Ethernet IP, DNP 3, SNMP and 200 more ...) to the cloud application builder for dashboards, alarms, reports and streaming analytics. 2016 we will have more than 4 million nodes bidirectional connected in real time (RTT < 100 ms) to our cloud.

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Monika Gatzke
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CPS.HUB NRW – Competence Center for Cyber Physical Systems concentrates innovative research and development approaches and technological competencies in the field of ICT, so that enterprises in every sector can optimally exploit the opportunities of digital transformation – with smart products and services for the markets of tomorrow: Industry 4.0, Smart Energy, Connected Cars, etc.

CPS.HUB NRW is the platform for the strategic coordination of the various actors and activities that are already making NRW a top location for CPS development. We focus on the promotion of digital innovations through increasing integration of information and communication technologies in NRW's strong industries. In 8 expert groups we are developing competencies for future CPS applications, as well as solutions for key technological challenges. Why don't you profit from our powerful network with more than 500 experts from industry and research, which is continuously widening the range of technological and strategic know-how? You are invited to get in touch with NRW's CPS network from IT and mobile industry.

CPS.HUB NRW University Wuppertal

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Dr. Gerhard Eschenbaum
Deputy Executive Director/Director
of the International Business Division



The Düsseldorf Chamber of Industry and Commerce was founded in 1831 and represents more than 80,000 companies of all sizes and almost every branch from industry, wholesale and retail trade, logistics and services around and in the city of Düsseldorf. It is a specialist for German-US business relations.

Düsseldorf is the capital of Germany's largest state North Rhine-Westphalia and is located in the center of Europe's biggest agglomeration. 50% of the EU purchasing power and nearly one third of the EU population exist within a 500 km circle around Düsseldorf. The region is one of the most international places in Germany.

**Düsseldorf Chamber of Industry
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Jan Viesel
Managing Director



GEORG Maschinentchnik GmbH & Co. KG is a European innovation leader in the areas of automotive engineering and metalworking. Our core competencies are divided into the fields of mechanical engineering, automation, R&D and service.

We offer:

- Construction and production of mechanical and hydraulic presses for the automotive industry and its components suppliers as well as forging industry and mechanical engineering
- Construction and application of technical software
- Construction and production of automated transfer lines for the automotive industry
- Retrofit

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Dr. Dagmar Nowitzki
Managing Director



Bernard Borgschulte
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The company Helmut Brüninghaus GmbH & Co. KG was founded in 1909 as “Leder- und Metallwarenfabrik Versmold” (leather and metal products) and produced saddles for bikes and motorbikes until 1954.

The first crown corks were produced in 1954. The current annual sales volume amounts to approx. 8 billion crown corks; steady export figures exceed 50%. The crown corks are mainly used for beer bottle caps. Water and soft drinks account for approx. 20%. The market share in Europe totals up to approx. 10% – above that, the company delivers to Australia, Iceland, Yemen and some African countries. With a workforce of 60 employees Brüninghaus generates an annual turnover of around € 30 million.

Helmut Brüninghaus GmbH & Co. KG

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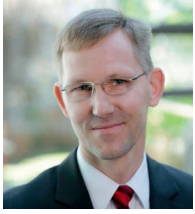
Dr. Michael Ottenjann
Managing Director



Biederlack stands for high-quality woven living and bedroom blankets made in Germany. For more than 125 years, HERMANN BIEDERLACK GmbH + Co. KG has relied on combining quality, design expertise and an innovative spirit, and produces all its blankets from start to finish in Germany at its Greven location. The successful traditional company impresses with its large selection of diverse features in a unique variety of designs, presented in a comprehensive collection, trend-oriented, limited special editions and the exclusive JOOP! collection.

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Dr. Stefan Senitz
Consultant Technology



The Chamber of Industry and Commerce fulfills three tasks: First, it is a spokesman for businesses in the region, representing the interests of the business economy with respect to the government and authorities, local authorities and public institutions. Second, the chamber is a partner, advisor and information hub for businesses, for example in new technology fields. Third, the state has delegated tasks to the Chamber of Industry and Commerce, as a self-governing economy, which would otherwise be done by the authorities, such as organizing apprenticeship training or certifying export documents.

The Karlsruhe Chamber of Industry and Commerce represents about 70,000 companies. It is located in the so called Karlsruhe TechnologyRegion (about 1 Million inhabitants) in the south-west of Germany. A special focus is on the branches IT and industry. A lot of public research institutions and regional technology driven networks push the innovation potential. It is one of Europe's leading business and innovation regions.

**Karlsruhe Chamber of Industry
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Jürgen Schnitzmeier
CEO



**Mülheim & Business GmbH – Economic Development
Corporation of the City of Mülheim an der Ruhr**

We are the service-oriented one-stop agency for companies, investors and entrepreneurs that are based in Mülheim or want to set up their business in the city. We handle all public administration and site-selection related issues and help companies to do business more effectively, cost-efficiently and profitably. Mülheim an der Ruhr is an excellent location for foreign direct investment.

Currently, we are establishing a “digital commerce hub” for start-ups in association with important industry partners, international trade corporations (e.g. Tengelmann Group, Metro Group) and the University of Applied Sciences (Hochschule Ruhr West) in Mülheim an der Ruhr.

The city of Mülheim an der Ruhr is located in the Rhine-Ruhr-Region at the heart of Europe's major economic powerhouse and Germany's largest metropolitan area with 4,533 km², 11.6 million inhabitants, 500,000 companies, 5.8 million employees and € 396.5 billion in GDP.

Mülheim & Business GmbH
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CEO



The state-owned economic development agency NRW.INVEST conducts international marketing for Germany's No. 1 investment location, North Rhine-Westphalia (NRW). In doing so, it campaigns worldwide for foreign direct investments for NRW. Besides subsidiaries in Japan and the USA, NRW.INVEST operates branch offices in China, India, Korea, Russia and Turkey. With its international representations and the head office in Düsseldorf NRW.INVEST supports companies with investment projects or business locations in North Rhine-Westphalia. In all these matters, NRW.INVEST works closely with the local and regional economic development agencies in the state and the Economics Ministry, as well as with firms, associations, chambers of commerce and industry and other business-related organizations.

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Managing Director



We offer tools and consulting for:

- ISP – Interactive Service Portal for management of Health Safety Environment and Quality
- Interactive portal for Contractor-Management
- Data analysis/Data mapping/Data improvement
- Hosting SSC and mobile Apps/E-Learning

We offer consulting for:

- Process and Project Management
- Production and storage performance
- IT System integration/SAP – Hosting/Shared Service
- Logistics/Stock Management/REFA-Studies
- Quality Management/Optimizing SSCs
- Performance degradation

Initial Situation:

- Software has been developing continuously since 2001
- Software won several awards
- Cooperation with powerful partners
- Participation by investors for market expansion

Our customers are:

Bayer, BASF, MTU, Thyssen, BP and other

OrgaTech GmbH

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Prof. Michael Schwertel
Entrepreneur/Professor



As the name suggests POWER-TOONS is a production company focused on powerful animation for film, television and new media. POWER-TOONS has always been about strong characters for film script, design and motion projects that are worth developing, producing and financing.

POWER-TOONS was established by Prof. Michael Schwertel in 2007. POWER-TOONS is based near Cologne, Germany and backed by blurmedia's formidable network of experienced freelancers.

From script to completed film, POWER-TOONS takes care of the entire production process as well as all the individual tasks in between. POWER-TOONS produces your image films, music videos, ad clips and more to the highest film production standards.

And when choosing what kind of animation is best suited to you (e.g. traditional, cutout, 3D, virtual 360, stereoscopic), we always keep our eye on the budget and our mind on your needs.

POWER-TOONS/ Cologne Business School

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The vision and mission of the Schumpeter School is concentrated to the broad subject of "Innovation", which was the main scientific focus of the famous Austrian economist Joseph A. Schumpeter (1885–1950). This includes disciplinary and interdisciplinary activities in teaching, research and transfer to analyse the change of technologies, economic structures, social behavior and relations, the development of innovative national and international concepts in companies and in the market. The Schumpeter School Foundation supports these activities in the faculty and university, but also in the city, region and abroad. Therefore the foundation cooperates as well with companies, institutions, students, alumni and is involved in matching the connection of different partners.

Schumpeter School Foundation Schumpeter School Stiftung

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Organisation/Sponsors

A project of



NRW.International – Partner for worldwide business

NRW.International coordinates the promotion of foreign trade in North Rhine-Westphalia. It provides a variety of measures tailored to the companies' needs and is responsible for the organisation of joint trade fair presentations abroad, the coordination and the support of international trade delegations from North Rhine-Westphalia to foreign countries as well as trade fair and delegation scouting. More information: www.nrw-international.de

Responsible
Coordinators



Organised by



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Ministry of Economic Affairs,
Energy and Industry
of the State of North Rhine-Westphalia



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