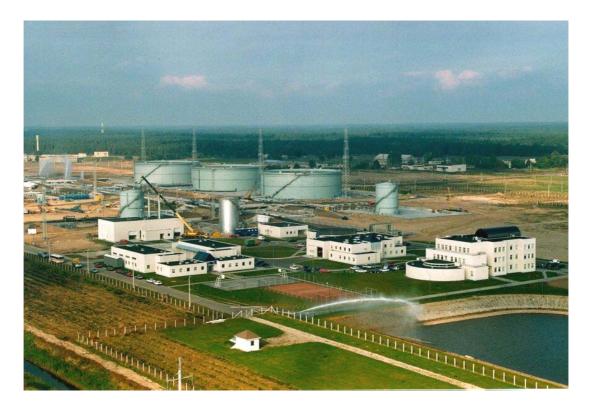


BUTINGE OIL TERMINAL PROJECT



Project Description:	Construction of an Oil Terminal consisting of a Tankfarm, Terminal, Onshore and Offshore Pipeline.
Scope of work:	General Contractor for the construction of the Oil Terminal and supplier of the Line Pipes 22" and 36" incl. insulation and coating.
<u>Contractor:</u>	PPS Pipeline Systems UAB, Lithuania Phone +370 460 45 858, Fax +370 460 45 889
<u>Client:</u>	AB Mazeikiu Nafta (former Butinges Nafta Joint Stock Company)



Butinge Oil Terminal Project - Tankfarm



Tank No.	Description	Capacity
TK-101 TK-102	Crude Oil Storage Tank Crude Oil Storage Tank	50.000 m³ 50.000 m³
TK-103	Crude Oil Storage Tank	50.000 m³
TK-501	Boiler Fuel Diesel Day Tank	2.500 m ³
TK-801 TK-815	Boiler Feedwater Storage Tank Slop Oil Tank	1.350 m³ 2.500 m³

Scope of work:

Engineering, Procurement and Construction of the tanks

including foundation and leak detection system, etc.

- Engineering
- Commercial handling
- Prefabrication
- Testing / Supervision
- QA / QC
- Project Management
- Cathodic Protection



Butinge Oil Terminal Project - Terminal



The Terminal mainly consists of a pumping station, interconnecting pipework (underground / sleeper), fire fighting system, wastewater treatment plant, etc.

Scope of work:

- Commercial handling
- Detail engineering
- Field erection
- Inspection / Supervision
- QA/QC
- Project Management
- Cathodic Protection
- SCADA System



Butinge Oil Terminal Project - Onshore Pipeline



The 22" Onshore Pipeline connects the Mazeikiai Refinery Pumpstation with the Butinge Oil Terminal. The total length is 91,6 km.

2,2 km 36" Crude Oil Pipeline connects the Butinge Oil Terminal with the shore-line. A Fiber Optic cable was layed for the total length of the pipeline.

Scope of work:

- Commercial handling
- Engineering
- Pipeline Construction
- Inspection / Supervision
- QA / QC
- Project Management
- Impressed current cathodic protection system



Butinge Oil Terminal Project - Offshore Pipeline



The 36" concrete weighted Offshore pipeline connects the terminal facilities and the crude oil SPM. With a total length of approximately 7,5 km the pipeline is located in the Baltic Sea in 20 meters depth.

Scope of work:

- Commercial handling
- Engineering
- Pipeline construction
- Installation of the SPM and PLEM
- Inspection and Supervision
- QA / QC
- Project Management
- Sacrificial anode cathodic protection system