



PLANT CONSTRUCTION

COMPRESSOR STATION EGTVED Denmark



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Client: ENERGINET.DK

In a Joint Venture with AARSLEFF and BUNTE, STREICHER realised a compressor station for the transportation of natural gas near Egtved (Denmark/Jutland). The compressor station is designed with four equal sized compressor units, which can operate interchangeable. Each compressor unit is able to draw and discharge from all the connected pipelines. The compressor units connect to the pipelines through the installed valve arrangement. The maximum flowrate is 1,050,000 m³/h.

The EPCC-project covered engineering, procurement, construction and commissioning and was supported by the European Union. Within the European Energy Programme for Recovery a higher security for the Danish gas supply shall be guaranteed.

The compressor station in Egtved is a central point for the gas supply because the North-South-Pipeline from the gas storage near Lille Torup to Ellund and the West-East-Pipeline from Nybro to Egtved meet there.

Project details

Client	ENERGINET.DK
Scope of work	Engineering, procurement, construction, commissioning
Scope of contract	Compressor station with four electrically driven compressor units Power/unit: 6 MW (3+1 Configuration)
Location	Egtved, Denmark
Compressor units	MAN DIESEL og Turbo Schweiz AG Type: 4 x MOPICO RM40
Pressure class	ANSI 150 – 600
Pressure	Inlet pressure: 51 bar Outlet pressure: 80 bar
Max. flow rate	1,050,000 Nm ³ /h
Working hours	Engineering: approx. 115,000 h Construction on site: approx. 300,000 h
Execution period	January 2011 – September 2013

Challenges

- Ambitious requirements regarding interface management
- Ecological and architectural integration of the plants



Location:
Egtved, Denmark