

Compressor station in Egtved

Expansion and relaying of valve arrangements



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In 2010, Aarsleff entered into a contract for the construction of a compressor station in Egtved. The client is Energinet.dk, and the contract is carried out in joint venture with two German partners.

Two subprojects

The contract is actually split up in two subprojects. The first subproject comprises expansion and relaying of the six existing valve arrangements that monitor the pressure, the temperature and the gas quality. The other subproject comprises the installation of the compressor station with four compressors, cooling plant, filters and service buildings.

Our first job was to carry out the construction site facilities and the earthwork. Our contract also comprises the execution of drain and sewer work to be completed in the summer of 2012. In addition, we are in charge of the day-to-day management of the construction site, and we carry out extensive cable work, dewatering, welding and excavation of gas pipes.

High safety level

As some of the work is carried out around gas-filled pipes, we have great focus on safety. We carry out weekly safety reviews and hold internal meetings to ensure the continuous focus on maintaining a high safety level. In addition, we prepare plans, descriptions, risk assessments and procedures before the work is started.

More suppliers and better competition

Concurrently with our project, Energinet.dk is also establishing 94 kilometres of new gas line from Ellund near the German border to Egtved to increase the import of natural gas from Germany and other countries in future. The compressor station maintains the right pressure in the gas pipeline which ensures that the gas can be pumped around in the gas system. The increased import opportunities improve the competition in favour of the Danish and Swedish consumers and increase the security of energy supplies which is necessary, as the natural gas production in the Danish part of the North Seas is decreasing gradually.



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Data

- 2 service buildings, 4 compressor buildings and one transformer station
- 4 electrically powered compressors from MAN Diesel
- Approx. 1,500 m DN-250-750 mm steel pipes
- More than 3,000 welds

- 7,000 m² pipe storage room
- Equalising reservoir
- 6 valve groups.

Client
Energinet.dk

Type of contract
Turnkey contract

Contractor

JV Aarsleff-Streicher-Bunte I/S

Construction period

2010-2013

Contract price

Approx. DKK 470 million

Contact

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