

Underground Gas Storage Epe - Lot 1



Project Description: Construction of a gas storage in Epe

Scope of work: Turn-key EPC contract including

- Basic and Detail Design
- Authority engineering
- Project management
- Quality management
- Procurement for all equipment, services, installation and construction works
- Commissioning
- Trial operation
- Construction works including
 - o Civil works incl. all earth and structural works
 - o Piping construction and installation
 - o Laying of field pipelines
 - o Erection of mechanical equipment
 - o Cavern testing and conversion of cavern from salt production to gas storage
 - o First gas fill of caverns

Special Requirements: Gas storage consisting of:

- Compressor station
- Metering station
- Gas pressure reduction station incl. gas pre-heating
- Gas dehydration and gas filters

Technical Data:

- 4 gas caverns with a net volume of approx. 300.000 m³ each
- Cavern head pressure approx. 200 bar
- Send-in capacity approx. 100.000 m³/h(Vn) with 200 bar compressor discharge pressure
- Send-out capacity approx. 400.000 m³/h(Vn)

Contractor:

Arge Epe (in equal shares):
Visser & Smit Hanab bv , Veendam (JV leader)
ILF Beratende Ingenieure, München
PPS Pipeline Systems GmbH, Quakenbrück

Client:

Essent Energie Gasspeicher GmbH, Epe

Contract amount:

ca. 60 Mio. Euro

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View of site



Glycol regeneration

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Glycol absorber



Gas cooler