



Gasunie

## Heiligerlee Nitrogen Buffer Project (NL)

Nitrogen Storage Facility

Piping & Mechanical

Electrical & Instrumentation

Multi-technical

Modular construction

Induction bending

Piping prefabrication

Specialized fabrication

EPC projects

Owner  
Gasunie

Client  
Gasunie

Engineering  
JV Tebodin / Fabricom

Location  
Zuidbroek, Groningen,  
The Netherlands

Start date  
November 2009

Completion date  
September 2012

Contract value  
50,000,000 €

Total manhours  
Project ongoing



## Project description

Gasunie and the Joint Venture Tebodin Consultants & Engineers / Fabricom have signed a contract for the engineering and execution of a significant portion of the Heiligerlee Nitrogen Buffer Project. Under this project Gasunie is changing one of the extending salt extraction sites near Heiligerlee as a nitrogen buffer.

The project includes the production and storage of gaseous nitrogen in still existing salt cavern. At a mixing station, the nitrogen extracted from the cavern is mixed with high calorific gas to form 'Groningen'-quality gas. During this process, the cavern acts as a buffer store.

This nitrogen buffer is required to be able to continue to guarantee the supply of natural gas in the future. The gas supply in the Netherlands is on the decline whilst, on the contrary, the demand is still on the increase.

As a result of that, producers and suppliers will import more gas from abroad than is currently the case. This gas has a different composition than the gas available in the Netherlands, but by adding nitrogen, the gas can be adapted to suit Dutch households.

## Our scope

EPC contract under which the JV Tebodin / Fabricom is responsible is for the engineering, procurement and construction of the installations to be constructed in Zuidbroek, including:

- An air installation unit
- A nitrogen compressor
- A nitrogen drying plant
- A mixing station

