

PROJECT

Project name:
LNG Peak Shaving Plant

Country:
Germany

Client:
Thyssengas
RWE Gasspeicher GmbH

Year:
2003

GOC project:
7026

Source: RWE



PROJECT DESCRIPTION

Modification and upgrade of an existing LNG peak shaving plant

- 1 x 23,000 m³ double wall LNG storage tank
- NG gas treatment
- NG liquefaction system with mixed refrigerant (MRL) cycle
- Plate fin heat exchanger (PFHX)
- LP and HP LNG pumps
- Submerged combustion LNG Vaporizer (SCV)
- LNG truck loading facility
- LIN plant for conditioning of gas
- Boil off gas handling with HP compressor
- Utility system

PROJECT PHASES

Basic engineering	Tender engineering
Safety engineering	

GOC DISCIPLINES

Process	Mechanical & Rotating Equipment
LNG Tanks	Piping
E&I	

GOC WORK SCOPE

- Basic engineering of LNG tank modification
- Tender engineering of entire revamping activities including LNG tank, instruments & control, piping, mechanical equipment
- Safety Engineering
- Authority Engineering
- HAZOP Study (chairman & disciplines)