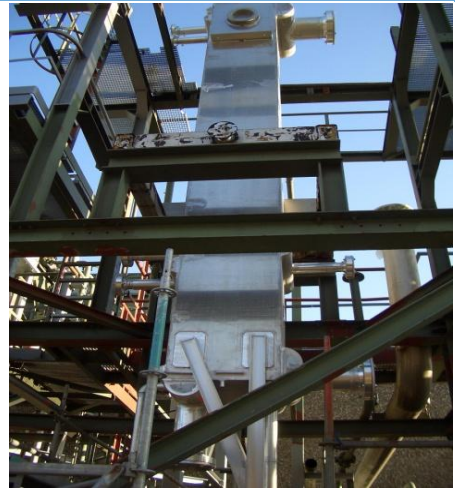


PROJECT

Project name:
LNG Peak Shaving Plant
Country:
 Germany
Client:
 Thyssengas
 RWE Gasspeicher GmbH

Year:
 2002
GOC project:
 7018/7021



PROJECT DESCRIPTION

Existing LNG Peak Shaving plant in Germany
 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

Feasibility study
 Costing study

GOC DISCIPLINES

| | |
|-----------|---------------------------------|
| Process | Mechanical & Rotating Equipment |
| LNG Tanks | Piping |
| E&I | Civil |

GOC WORK SCOPE

Technical consultancy and safety engineering
 Review of entire cryogenic and utility system with respect to safety considerations and compliance with latest rules and regulations

 Review of instrumentation and control system
 Advise of modifications and revamping activities
 Costing study