LNG



PROJECT <u>Project name:</u>

LNG Peak Shaving Plant

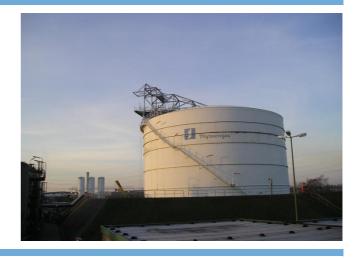
<u>Country:</u> Germany <u>Client:</u> Thyssengas

RWE Gasspeicher GmbH

<u>Year:</u> 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

DISCIPLINES

Basic engineering Safety engineering Tender engineering

GOC

Process

Mechanical & Rotating Equipment

LNG Tanks

E&I

Piping

GOC

Basic engineering of LNG tank modification

WORK SCOPE Tender engineering of entire revamping activities including LNG tank,

instruments & control, piping, mechanical equipment

Safety Engineering Authority Engineering

HAZOP Study (chairman & disciplines)