TERMINALS AND STORAGES FOR LNG
Based on Experience

Since its foundation in 1980 in Bonn, Germany, TGE has expanded its range of expertise considerably in line with the changing project demands and challenges, becoming a major partner in the natural gas and petrochemical markets.

Today we are one of the world’s leading contractors for projects involving the storage and handling of liquefied gases in the energy and petrochemical/chemical industries. We have more than 35 years’ experience in this field, providing a full range of services, from concept/feasibility studies to lump-sum turnkey project execution. All as the main partner of our customers.

Who We Are

We Offer

- Conceptual Design
- Basic Engineering and Front End Engineering Design (FEED)
- Detailed Engineering
- Procurement/Procurement Services
- Construction/Construction Services
- Supervision Services
- Pre-Commissioning and Commissioning Services
- Start-up/Shut Down Services
- Selection and Training of Operators
WE HAVE PERFORMED

LIQUEFIED GAS STORAGE CAPACITY INSTALLED (m³) – Status September 2017

- Overall capacity: 6,000,000 m³
- LNG: 4,000,000 m³
- Ethylene/Ethan: 2,000,000 m³
- Propylene, LPG, etc.: 0 m³
LNG MILESTONES

2000 – Entrance into LNG Receiving Terminal Business
2002 – Entrance into Mid-Scale NG Liquefaction Business
2002 – Entrance into LNG Export Terminal Business
2009 – Contract signing of LNG Terminal Expansion
2009 – First LNG Storage Contract in China
2014 – First entire LNG Terminal in China
2015 – Signing of first LNG Terminal Contract in Russia

SMALL-TO-MEDIUM-SCALE NATURAL GAS LIQUEFACTION PLANTS

We have developed innovative solutions for the small-and medium-scale liquefaction of natural gas. Working together with well-known international partners, we engineer cost-effective state-of-the-art solutions that are tailored to our customers’ requirements and suitable for small- to medium-scale LNG production.

- Small-to-medium scale LNG Production plants and LNG supply chain solutions from well head to consumer
- Capacity range up to 500,000 tons of LNG per year
- Gas treatment – filtering, compression, purification, removal of CO₂/Sulfur/Mercury, dehydration
- Modular Arrangement – skid mounted with high degree of prefabrication and pre-assembly.
TERMINALS AND STORAGES FOR LNG

Since our entry into the LNG Terminal business, in 2000, our services and solutions for export and import terminals have been geared towards accommodating the increasing world-wide demand for clean energy. We have designed and installed more than 3 million cubic metres of LNG storage with more than 13 MMTPA of LNG regasification capacity.

LNG FACTS AND FIGURES

In more than 15 years of experience as an EPC Contractor in the LNG Business, we:

- installed 22 LNG tanks on 14 LNG facilities worldwide
- have 4 more LNG tanks on 3 LNG facilities under execution
- built 3.008 Million m³ of cryogenic storage capacity for LNG
- have installed tank sizes from 30,000 m³ to 160,000 m³
- designed tank sizes from 5,000 m³ up to 260,000 m³
- have references for all relevant codes: EN 14620, EN 1473, NFPA and API 620, API 625, (BS 7777…)
- have gathered excellent expertise in 11 countries around the world
- have performed > 13 Million Tons per Annum Regasification Capacity
- have installed > 3 Million Tons per Annum Production Capacity
- have installed several BOG Handling Systems
- have installed 72 LNG truck/container loading stations
- are offering the complete LNG infrastructure – Jetty, Storage & Process Facilities
NEW LNG DEVELOPMENTS

LNG AS A FUEL

One-Stop-Shop – by providing a high level of flexibility within environmental and economic constraints, LNG bunkering facilities become an attractive alternative to conventional fuels. We offer our customers a complete LNG supply chain solution – from feasibility analysis, based on our customer needs and requests, to the engineering, procurement, construction and installation of facilities.

- LNG Fuelling Station for road transport
- LNG Cylinder for lorries

BIO LNG

We have developed innovative solutions for mini/micro scale liquefaction of natural gas to provide cost effective state of the art solutions that are tailored to our customers’ requirements. The plant is designed to process 1,000 to 5,500 Nm³/h bio gas and produce 600 Nm³/h – 3,000 Nm³/h biomethane, equivalent to 10 to 65 tons/day LBG production.

INSPECTION SERVICES

for Cryogenic Above Ground Storage Tanks

We offer inspection services for cryogenic above ground storage tanks that can help our customers to:

- Extend the life time of their terminal
- Update their terminal to innovative and newest standards
- Preserve their assets & investment
- Safe the environment and their employees
- Receive State of the art solutions
Our overall target is to provide our customers with added value through our experience and know-how in delivering “millions of m³” of liquefied gas storage and handling facilities.

Today we are integrated in the CIMC group and act worldwide, together with major operating units throughout Europe and Asia, as a contractor for international projects.