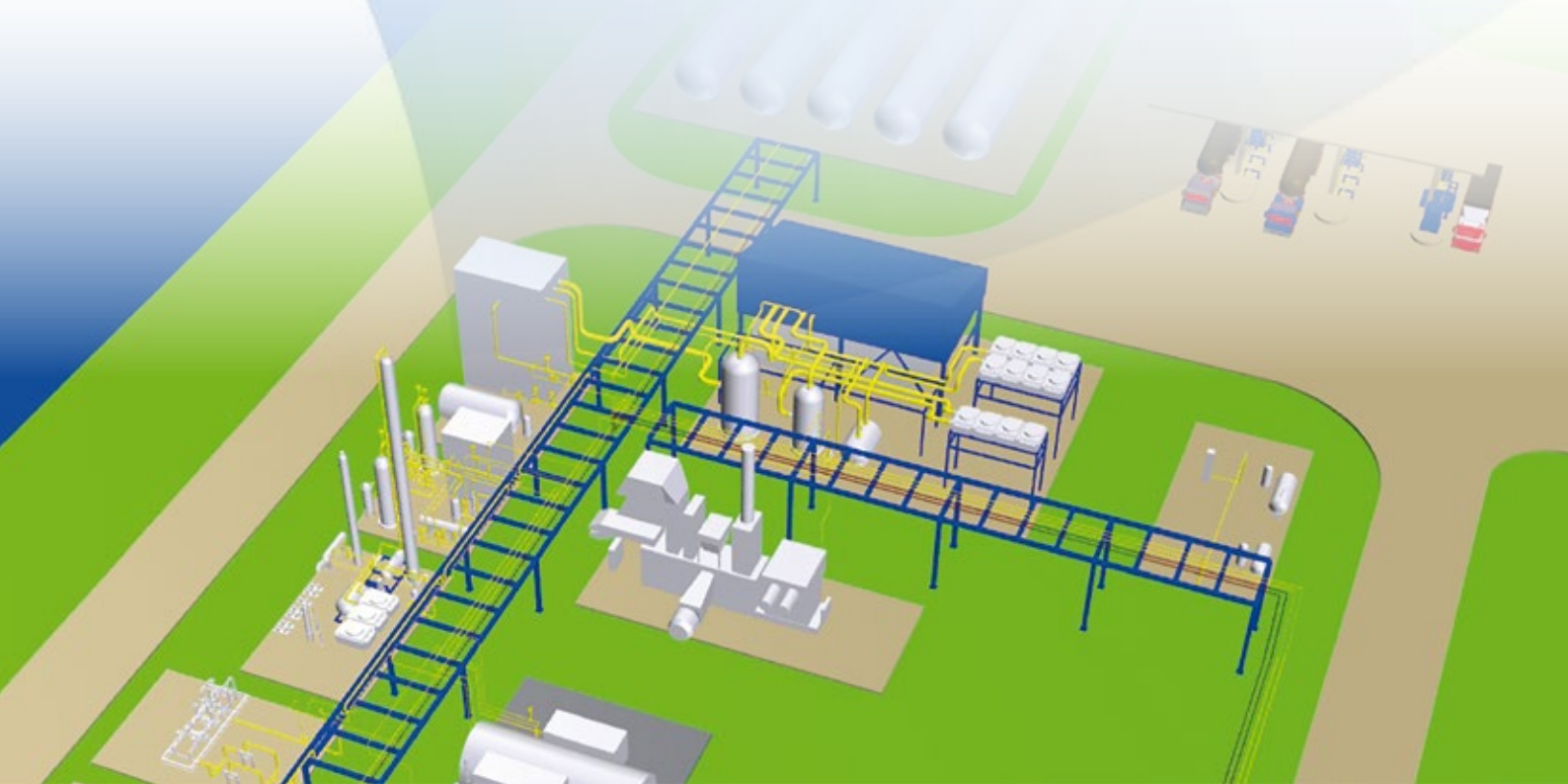


SMALL SCALE LIQUEFACTION



INTRODUCTION

LNG – Liquefied Natural Gas – is in progress to replacing traditional oil fuel based applications like marine and onshore power generations, long-haul vehicle engines and industrial power solutions.

Stricter environment regulations, huge natural gas reserves and lower gas prices from a long-term perspective are the drivers for the LNG market.

Adapted technology and experience from the world-scale LNG production, scaled down to tailor made size of plants (mid/small/mini/micro-scale) are providing highest reliability and profitability for all potential customers.

TGE has developed innovative solutions for all those applications and can provide cost effective state of the art solutions that are tailored to our customer's requirements.

TECHNICAL DATA

Small Scale
Liquefaction Plants

■ = ~ 10t/h; 80,000 TPA

MAIN PROCESS

- Gas reception facilities
- Treatment
- Refrigerant compression and condensation
- Boil-off gas handling
- LNG storage = three to five horizontal tanks of 1,000 m³ capacity
- Truck loading
- The plant liquefies 36 x 10⁴ Nm³/day (nominal capacity) feed gas.
The produced LNG is then stored for distribution by trucks

ADVANTAGES

- State of the art process with highest availability for best profitability
- Process scaled down from mid-scale LNG production
- Can be delivered as skids
- Quick installation

For further information

TGE Gas Engineering GmbH · Mildred-Scheel-Straße 1 · 53175 Bonn · www.tge-gas.com
T +49 (0) 228 60448 0 · F +49 (0) 228 60448 893 · tge-service@tge-gas.com