



Fast-Track Modular LNG Import and Regasification Terminal

Features:

Allows for the staged development of regasification capacity to meet evolving demand

Keeps utilization rates high from terminal start-up

Enables relocation of the regasification unit to new demand centers

Optimizes customer or owner cash flow for faster decision-making

Yard:

Batangas Heavy Fabrication, Yard 1
San Roque, Bauan,
Batangas 4201

Company Overview

AG&P is a 118-year-old industrial infrastructure company with world-leading credentials across our three lines of business: Gas Logistics (LNG supply chain design, development and marketing), Modular Construction and FieldCOM (manpower services and site works). We have a long, established heritage of successfully serving blue-chip clients on some of the world's most demanding projects in the mining, utilities and oil and gas sectors.

Gas Logistics: AG&P delivers gas logistics solutions for new, growing markets through a unique and fully integrated platform with LNG engineering, technology, manufacturing, project management, local marketing, commercial and operational skills for LNG or natural gas delivery.

Modular Construction: We have a strong track record of providing award-winning modular construction solutions for LNG plants, refineries, petrochemical facilities, mining operations and utilities plants that significantly improve project capex and schedule, while maintaining world-class quality and safety.

FieldCOM: AG&P's onsite construction team (Field Construction, Commissioning, Operations and Maintenance) provides clients with dedicated teams of professionals at project sites across the world who take responsibility for functions from installation of AG&P's own modules and their commissioning, operation and maintenance (O&M), to full onsite construction.

LNG Import and Regasification Terminal

AG&P has developed a fast-track, modular LNG import and regasification terminal that can be deployed to a multitude of LNG terminal and gas-to-power projects. The configuration significantly improves schedule, mitigating traditional bottlenecks such as onshore tanks or major civil works.

AG&P's modular approach allows for the staged development of regasification capacity to meet evolving demand with the flexibility to expand to match future growth and investment. The design ensures utilization rates are high from terminal start-up and enables relocation of the regasification unit to new demand centers as required. This optimizes customer or owner cash flow, facilitating faster decision-making.



UNIQUE DESIGN

Each standard 125MMSCFD regasification module consists of:

- Shell and tube vaporizer utilizing indirect glycol/water or fan ambient air vaporizer or water bath type vaporizer
- Seawater/glycol water plate and frame heat exchanger
- Glycol water circulation pumps and corresponding filters

Low-pressure LNG pump module (only used if BOG recondensing is required) consists of:

- N + 1 low-pressure LNG pumps
- Boil-off gas (BOG) recondenser (optional)

High-pressure LNG pump module consists of N + 1 high-pressure LNG pumps

Off-module equipment consists of:

- LNG surge drum
- LNG separator (only used if BOG recondensing is required)
- BOG compressor suction drum
- LP BOG compressor package (cryogenic)
- HP BOG compressor package (to pressurize BOG to send out delivery pressure – optional if recondensing is not required)
- LNG unloading and transferring equipment as required (cryogenic hoses, marine arms with emergency release coupling and QC/DC retrieval, cryogenic drain drum if required, cranes, etc.)
- Metering skid
- HIPPS and/or ESDV/F&G/CAMS
- Required utilities
- Central control room (E-house)

All equipment is purchased utilizing an in-house approved vendor list, which allows competitive pricing based on standard products requiring no re-engineering. This ensures shorter procurement times based on standardization of equipment

Typical schedule: 12 months ex-works



For more information, visit www.agp.ph

Published June 2018