VALMAX TECHNOLOGY CORPORATION
- The LNG Technology experts

LNG FGSS / LNG Bunkering station
LNG Satellite Station (Filling Station)
Custody Metering System (Oil & Gas)
Process Analyzer System package
LNG Re-Liquefaction system (BOG)
LNG Liquefaction Cycle (SMR)
Re-Condenser system
Re-Gasification system
Why VALMAX??

- One-Stop service from Engineering to Supervision (FEED, Process Simulation, Detailed Design, Manufacturing, Fabrication, Supervision service)
- KOGAS Registered Vendor (Numerous Project reference)
- DSME, KOMERI, KRISO R&D Partners (BOG Handling System, Re-Liquefaction System LNG Bunkering System, Custody Metering System)
- ISO Standard & ASME Stamp Approved (ISO 9001 quality system, OHAS 18001 system ISO 14001 Environment management system, ASME “U” Stamp, National Board Certificate)

Our Service

- FEED (Front End Engineering & Design) Service
  - Process Simulation : HYSYS, PRO II, ASPEN Plus
- Engineering & Design
  - 3D Modeling for SKID : Autodesk Inventor, Solid Works
  - Structural Design and Stress Analysis : ANSYS, MIDAS
- Manufacturing
  - Metering SKID
  - Software (HMI & Reporting)
  - DAS (Data Acquisition System)
  - Analyzer System Package
- Factory Acceptance Test
- S.A.T, Commissioning & Start-up Service
- Training
  - Factory Training & Site Training

International class integration facilities

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ISO Standard
- ISO 9001 quality system,
- ISO 14001 Environment management system
- OHAS 18001 system
- ASME “U” Stamp
- National Board Certificate
- CESL

Approved Engineering Applications
- LNG RE-LIQUEFACTION SYSTEM Patent No. 10-1670925
- KOGAS Approved Vendor
- KNPC Approved Vendor
- TAKREER, ADNOC Approved Vendor
- SABIC Approved Vendor
- MHPS Approved Vendor
- NIOC Approved Vendor
- Samsung Heavy Industries Approved Vendor
- Hyundai Heavy Industries Approved Vendor
LNG RE-LIQUIFACTION SYSTEM

- BOG as refrigerant of Re-Liquefaction System.
- Full re-liquefaction at low speed and anchoring.
- Cargo tank pressure can be reduced.
- Partial Re-Liquefaction / Full Re-Liquefaction according to operating condition

BOG Handling System R&D Project

- System Engineering
- BOG Compressor
- DF Boiler
- BOG Re-Condenser
- Hydro Carbon Remover
- Embedded System Integration

LNG Re-liquefaction System

Full Re-Liquefaction System with RE-CONDENSER
Re-Gasification System for LNG FSRU

Re-Gasification Components

Re-Condenser System with compact & Easy Control system
- Re-Condenser trim parts
- Pressure vessel
- Pressure regulating Valve skid
- Flow Control Valve (LNG / BOG)
- HP & LP Pump skid
- Local Control Panel (Pump, Signal)
- HMI with Programming

LNG Vaporizer
- Shell & Tube Type
- Design Code : ASME
- Cold Side (Tube) : LNG (SMO254 or Equivalent)
- Hot Side (Shell) : Sea Water, Glycol Water
- Freezing Prevented Design
- Horizontal & Vertical Type
LNG FUEL GAS SUPPLY SYSTEM (MEGI, X-DF)

FGSS (X-DF) with BOG Handling System
- LNG/BOG fuel for X-DF and DFDG
- LP Pump and HP vaporizer
- LP BOG Compressor
- Re-liquefaction system with Re-Condenser

DFGE Dual Fuel Gen Engine
X-DF Wartsila Gas-Injection Engine

LNG Satellite Station (Small Scale Plant)

LNG Satellite Station
- Engineering & Design
- System Integration
- LNG C-TYPE Storage Tank
- LNG Pump Station
- LNG Dispenser
- LNG & BOG QC / DC
- LNG & BOG Break Away
- BOG Cooler
- BOG Gas Compressor
- BOG Re-Condenser System
- LNG Vaporizing System
- Measurement & Control System
- HMI Interface
VALMAX offers reliable LNG

Metering Systems with below items
- Ultrasonic / Coriolis flowmeter
- Cryogenic Sensors (Press., Temp)
- LNG Sampling System
- Flow Computer
- Natural Gas Chromatograph
- Calorific Value Calculation
- Reporting System

Process On-Line Analyzer System Package

VALMAX offers reliable Process on-Line Systems.
- PROCESS GAS CHROMATOGRAPH
- All kind of GAS Analyzers
- LIQUID (pH, Conductivity, Turbidity, etc) Analyzer
- Oil in Water / Water in Oil Analyzer
- Continuous Emission Monitoring System
- Air Quality Monitoring System
- HMI, ADMS System
Exhibition Info. 2018

OTC in Huston 2018
BOOTH No. 8541

WGC in Washington DC 2018
BOOTH No. 3513

Gastech in Spain 2018
BOOTH No. I100

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