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OHSAS 18001
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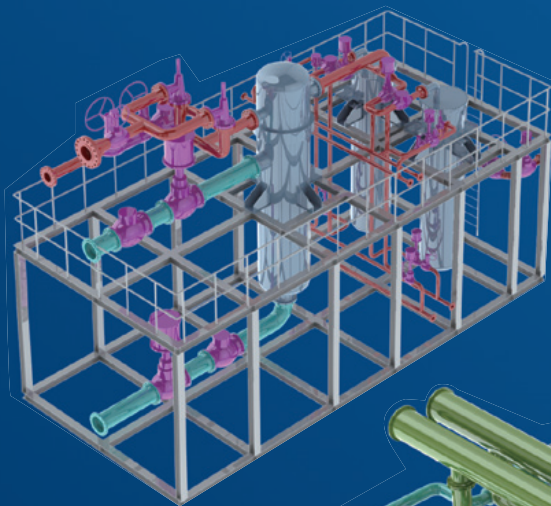


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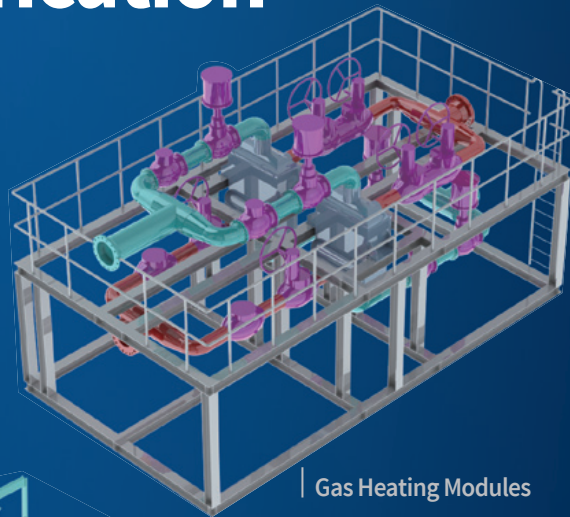


▶ Cryogenic Heat Exchanger and System Engineering **Global Leader**

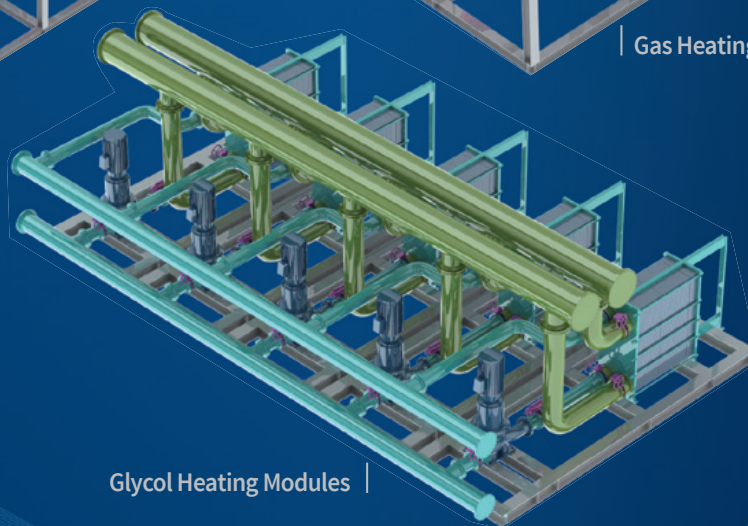
LNG Vaporizer Application For Regasification



LNG Vaporizer Modules



Gas Heating Modules



Glycol Heating Modules

DongHwa Entec

LNG Vaporizer Application For Regasification

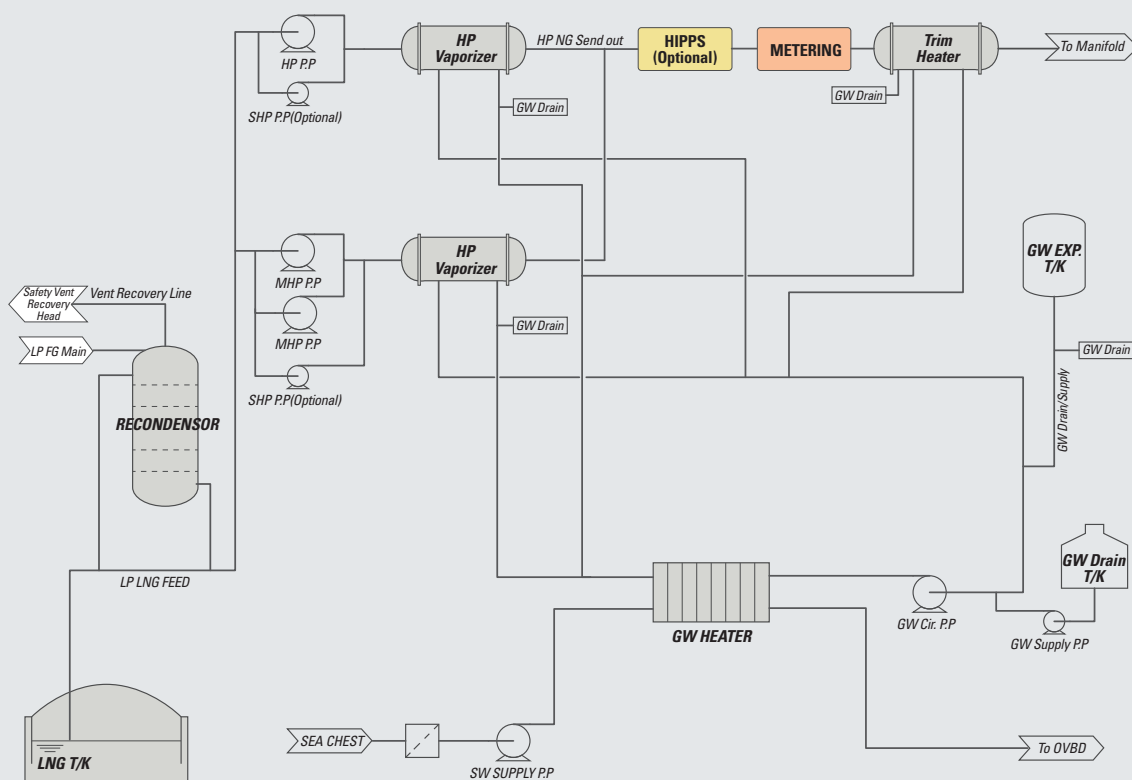
The regasification process in LNG/NG system is composed of a recondenser, HP pumps, HP vaporizers, Metering units and trim heaters along the process flow to the HP manifold.

The HP vaporizer trains are installed with HP pumps and HP pump suction pots in the regasification plant and the train number can be adjustable depending on entire capacity.

LNG pumped by the regas LNG feed pump will be directly introduced to HP pump to boost up the LNG up to the required pressure of the regasified NG. The boosted LNG is vaporized and heated up via HP vaporizer. Finally, the trim heater will warm up the HP NG to the allowable temperature at manifold in order to satisfy the customer requirement.

To supply the heating medium for vaporizers and gas heater, In-directed GW supply system is applied with open or closed loop heated by sea water, steam and so on.

Schematic Diagram For Regasification System



LNG Vaporizer Modules

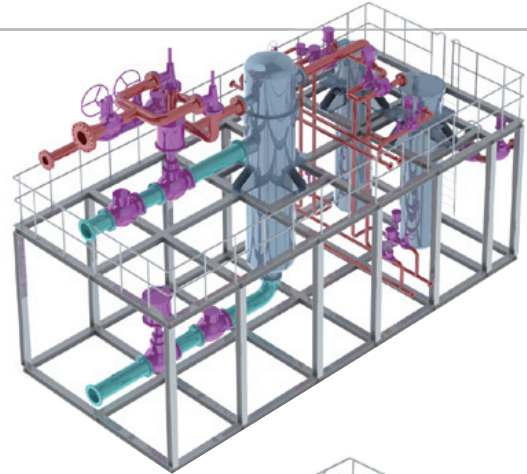
Vaporization of LNG into NG

Vaporizer

- Shell & Tube type

LNG HP Pump

- Submerged type

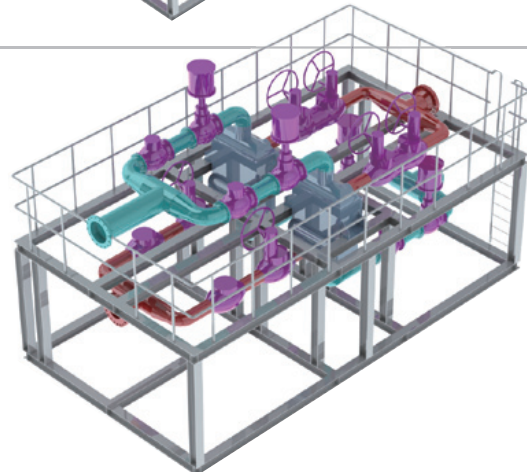


Gas Heating Modules

Gas heating to meet the inlet temperature of gas for product

Gas Heater

- Shell & Tube type
- PCHE type



Glycol Heating Modules

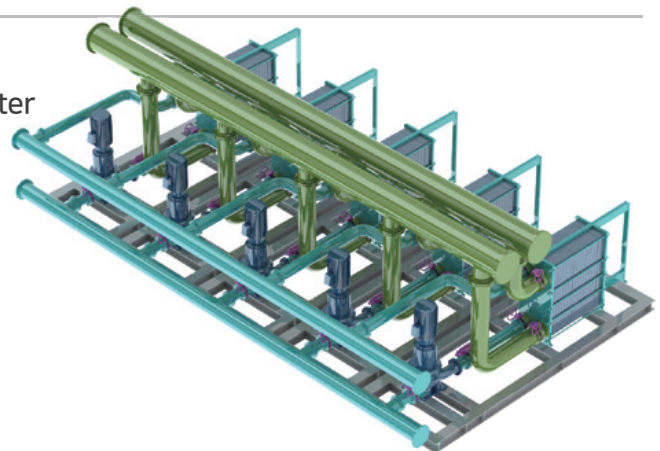
Supply heat source for vaporizer & gas heater

Glycol Heater

- Shell & Tube type
- Plate type

Glycol Pump

- Centrifugal pump



Automatic Control System

- PLC based controller (Low cost)
- Fail safe redundant system design
Dual CPU, UPS
- Automatic control with manual control override
- Designed with safety function
Safety factors : Icing, tube fracture, gas leakage
- Energy saving operating algorithm
No circulation during cool down sequence



Head Office and Factory (Land Area: 15,574 m² / Building Area: 13,845 m²)



Hwajeon Office and Factory (Land Area: 20,127 m² / Building Area: 20,087 m²)



Energy, Environmental Tec. Lab. (Land Area: 4,465 m² / Building Area: 3,365 m²)



DongHwa Entec (Shanghai) Co., Ltd. (Land Area: 33,350 m² / Building Area: 18,457 m²)

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