

TALENT FOR SUSTAINABLE FUTURE

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We promise



Quality products

We conduct thorough inspections to ensure excellence.



Dedicated service

We deliver dedicated attention to ensure your satisfaction.



Technical support

Ve provide expert assistance nd quidance.



On-time delivery

We ensure timely delivery



Sincerity

We strive to build valuable business relationships.



One team

We are one team with one drear



Oper

We communicate with an open mind.



Quick at action

We take swift action



Aiming high

*W*e aim high and dream big



Profession

Professionalism is at our core



Superb colleagues

vve are great team mates to one another.



Having fun

We enjoy every moment and make it fun.



CEO Message

CEO Greeting From Joongjin Baek.

innovative Gas piping and tubing solutions with a focus on sustainability and efficiency. Our advanced technologies, such as Double Wall and Vacuum Insulated Piping Systems,

We remain dedicated to excellence, innovation, and responsible growth. Thank you for your trust and continued support as we strive toward a more sustainable future.



Certificates



O front the factors and *******

WPS & PQR (LR)

ISO 14001:2015

1 = de

WPS (RINA)

EAC (TRCU) Tube



WPS (NK)

EAC (TRCU) Pipeline_Vesse

E TIA

Patent (China) Vacuum insulated pipes

























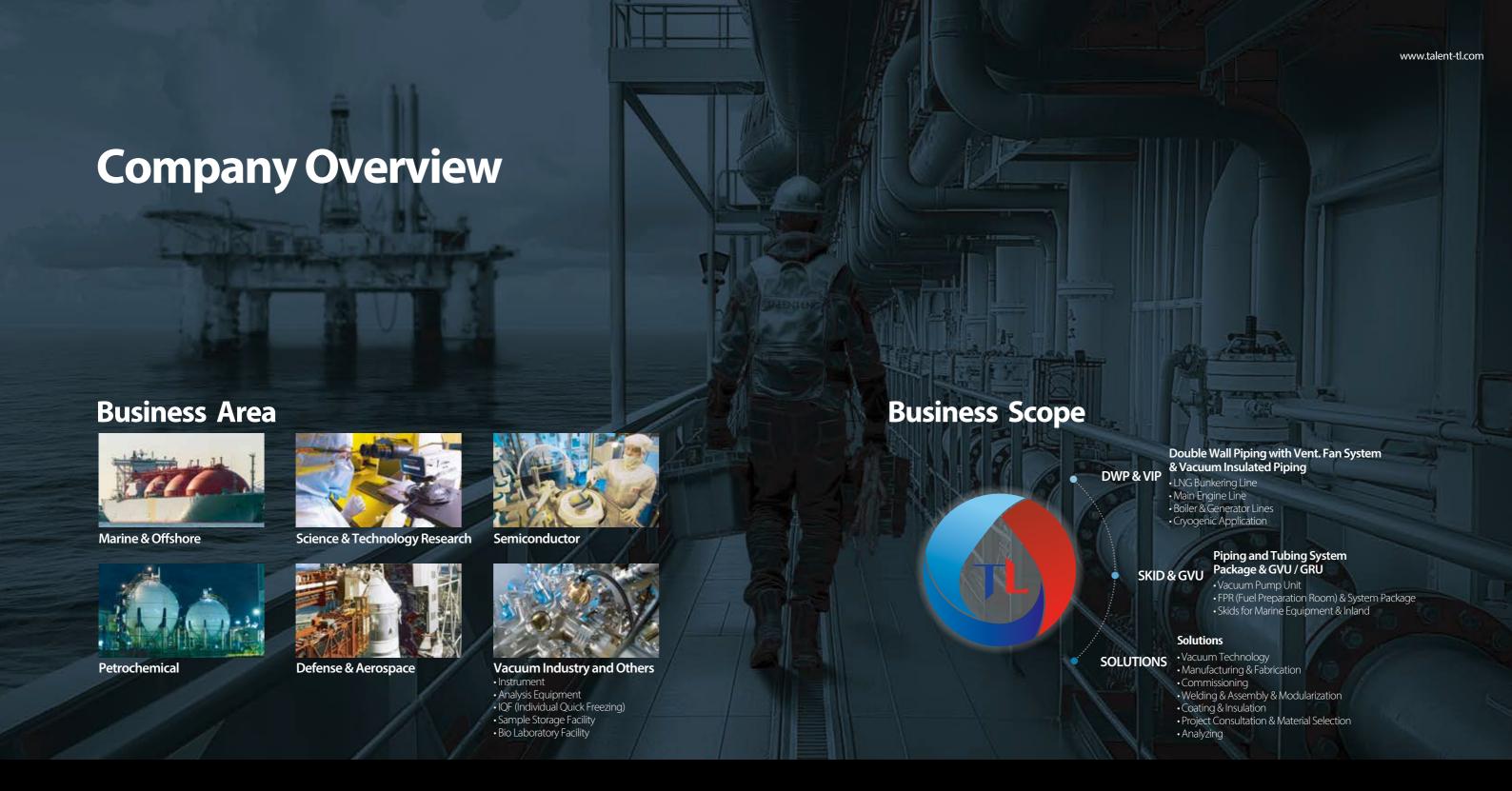


1st Grade of Gas Construction Business Registration Certificate

WPS (CCS)

Certificate of Global Leading Company 1,000+

TOWNS THE ----



Process Chart



TECHNICAL PROPOSAL





ANALYSIS & DESIGN DRAWING CONFIRMATION MATERIAL INSPECTION / APPROVAL

Confirmation of drawings in accordance with international (Classifications) (Classifications)





FABRICATION



TEST & INSPECTION



PACKING



DELIVERY / SHIPMENT



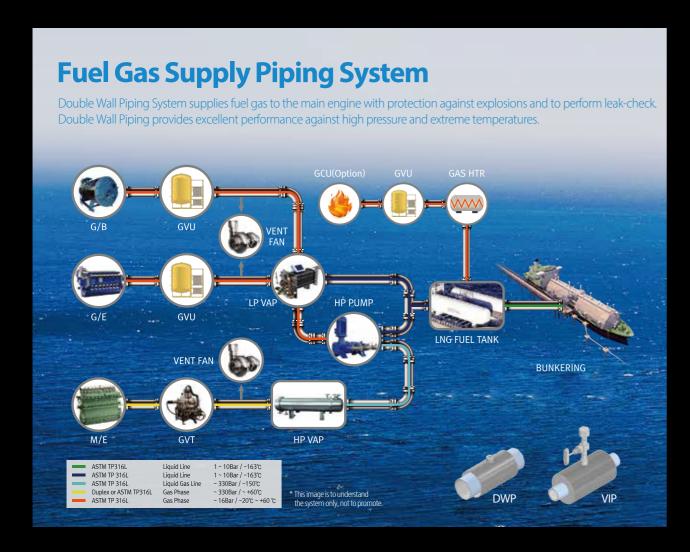
INSTALLATION & SUPERVISION



COMMISSIONING

Company Overview 06/07

Double Wall Piping System



Double Wall Pipe - High Pressure & Low Pressure

	High Pressure	Low Pressure
Size	Inner Pipe DN25~60 in general Outer Pipe DN100~150 in general	Inner Pipe DN15~300 in general Outer Pipe DN50~450 in general
Fluid	Natural Gas (Vaporized)	Natural Gas & Liquified Gas
Design Pressure	~480 Bar(g)in general	10∼16 Bar(g) in general
Design Temperature	-50°C ~ 60°Cin general	-20°C ∼ 60°Cin general
Material	Super Duplex, Duplex, Stainless Steel 316L	Stainless Steel 316L in general

Double Wall Piping System

- Double Wall Piping is primarily designed for the safe transport or storage of hazardous liquids and gases.
- Double Wall Piping consists of an inner pipe and an outer pipe. This dual structure plays a critical role in reducing the risk of leaks and preventing environmental contamination.

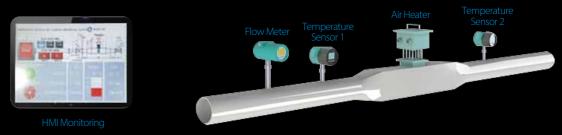


Flanges for Double Wall Piping - Double Lip Flanges

- High Pressure & Low Pressure
- Ventilation holes are designed and manufactured based on the air volume

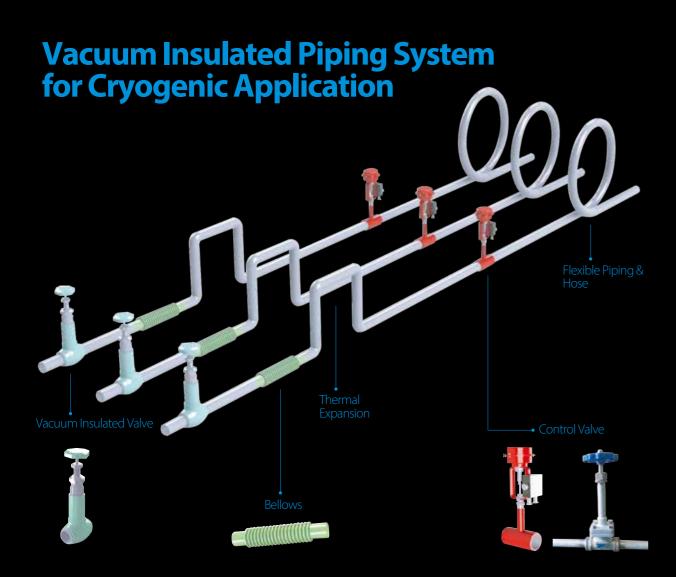
High Pressure		Design Pressure	~480 Bar(g) in general
		Design Temperature	-50°C ~ 60°C in general
		Material	Super Duplex , Duplex, & Stainless Steel 316L
Low Pressure		Design Pressure	10~16 Bar(g) in general
		Design Temperature	-20°C ~ 60°C in general
		Material	Stainless Steel 316L in general

Smart Air Heating System

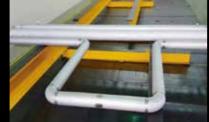


Smart Air Heating System maintains optimal conditions for ship engines using LNG, LPG, LEG, and LH2 as fue ensuring they operate at an appropriate temperature. It is designed to improve fuel efficiency.

Vacuum Insulated Piping System









What are the Advantages of Vacuum Insulated Piping System?

- Higher efficiency compared to urethane foam insulation. (About 10 times)
- Outer pipes securely protect inner pipes safely in the event of an accident, such as an explosion
- Easy to inspect inner pipes for cracks and leaks.
- Recommended by shipowners and classification societies.
- Meets the requirement of IMO regulations. (IMO requires DWP
- Minimal radiant heat loss
- No condensation at ambient temperature.
- Relatively small and space efficient

Size	½" ~ 40"
Design Pressure	~30 Bar(g)
Vacuum	~5x10 ⁻⁶ torr
Connection Type	Clamp & Flange Type (Bayonet Type), Welding Type
Fluid	LNG, LHe, LH2, LN2, LO2, LAr, & Others
Design Temperature	-269℃ ~





Vacuum Gauge Controller

Туре	Digital Analog Portable etc.
Input & output signals	Various
Measuring range	~5x10 ⁻⁹ torr



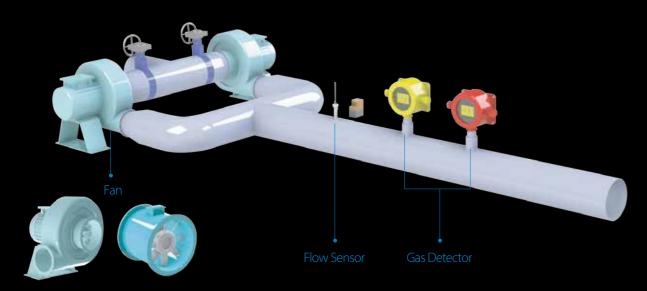


Vacuum Gauges & Valves

Ventilation System Package

Double Wall Piping Ventilation System Package

A complete ventilation system package, including fans, flow sensors, gas detectors, and other related valves, is available to be adapted to customers' needs and applications.



Explosion Proof Fan



19/18



Avial Flow Fan

ow Fan

Mixed Fan

Flow Sensor & Gas Detector



Thermal Dispersior Type Flow Sensor



Vane Type Flow Sensor



Gas Detector

Centrifugal Fan

- High-pressure performance with a small air volume
- Efficient ventilation for the limited spaces that require air ventilation, cooling, and heating.
- Mechanical exhaust and supply tailored to the gas type of the space
- For DWP, GVU, GRU, LNG space, Gas free, Auxiliary, Boiler F.D, Plant, etc.







Axial Flow Fan

- Low-pressure performance with a large air volume.
- Efficient ventilation for the limited spaces that require air ventilation, cooling, and heating.
- Mechanical exhaust and supply tailored to the gas type of the space.







Jet Fan

- Low noise and efficient ventilation
- Efficient air exchange in tunnels and parking garages.
- Equal performance at the front and rear, ensuring the efficien air ventilation in emergencies.







Mushroom Head

- Blocks the inflow of water (Rainwater and seawater)
- Blocks the axygen supply to extinguish fires in emergencies
- For vessels (located on the deck) and plants (located on the top)





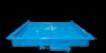


Damper

- Connected to the duct and controls the air volume
- Enhances fan efficienc







Silencer

- Reduces noise from the fans and other equipment
- Various models available for different types of noise.







Manhole Fan

Ventilates gas from inside to outside and vice versa









Piping & Tubing System Package

FPR (Fuel Preparation Room) & System Package

TALENT LNG provides FPR (Fuel Preparation Room) including the units for FGSS (Bunkering Station, Vaporizer Unit, Glycol Water System, Buffer Tank Unit and etc.), Cryogenic Piping System, Ventilation Fans, Vent. Mast, all together to the gas fueled vessels.



Vaporizer & Glycol Water Skid

LNG LP (Low Pressure) Vaporizer Skid is an essential piece of equipment in the natural gas industry, used to convert LNG back into its gaseous state for distribution and consumption. The primary purpose of a Glycol Water System in LNG facilities is to prevent hydrate formation, maintain temperature control, and ensure safe transportation and processing of LNG.



I NG Glycol Water Skid

Bunkering Station

Bunkering Skid on LNG-powered vessels refers to the system that supplies LNG as fuel to the vessel. It is equipped with an ultra-low temperature transfer system.



Bunkering Skid

High Pressure Buffer Tank Skid

LNG HP (High Pressure) Buffer Tank Skid is an essential component in the storage and management of LNG in high-pressure systems. It serves as a buffer or intermediary storage unit that helps regulate pressure and flow within the LNG infrastructure, especially in facilities where LNG is stored, transported, or regasified.



Skids for Marine & Offshore Equipment



We provide modularized marine and offshore equipment according to customers' applications

Skids for Inland Equipment





The modularized inland equipment are available for various gas applications

Vacuum System

Vacuum Pump Unit

Vacuum Pump Unit is designed to create a vacuum state by expelling gas from a container. Unlike conventional vacuum systems that use rotary pumps, it significantly reduces the time required to achieve a high vacuum state (5x10-4 torr), thereby shortening operation times.

- Vacuum Pump Unit for Liquefied Hydrogen Storage Tank.
- The combination of Dry Pump, Diffusion Pump, and Chille











Vacuum Pump



Pressure & Leak Detectors

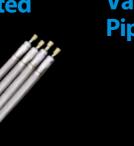
• Vacuum Measurement (Digital & Analog Gauges)



• Leak Detectors
(Portable Equipment & Carts)



Vacuum Insulated Flexible Hose



Vacuum Insulated Piping System



Vacuum Insulated Loading Arm

• LNG Bunkering Loading Arm • Cryogenic Fluid Filling Loading Arm

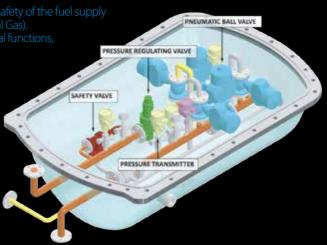




GRU (Gas Regulating Unit) **GVU** (Gas Valve Unit)

Inland & Hydrogen **Application**

Gas Regulating Unit / Gas Valve Unit



Certificates















GRU-CD is approved by Lloyd, KR & KOMERI (Design & Performance test)

Size	DN50~DN125
Design Pressure	Max. 24 Bar(g)
Design Temperature	0 ℃~ 60 ℃ in general







Construction of High Pressure & Liquefied Gas Storage Facility

Construction Case 1 Vaporizers







Construction Case 2 Facility of High Pressure Gas & Liquefied Gas









Construction Case 3 Facility of Cryogenic Gas & LPG Storage











Construction Case 4 Various Tubing Facility









