

Company Overview



About us : Head Office & Ulsan Plant

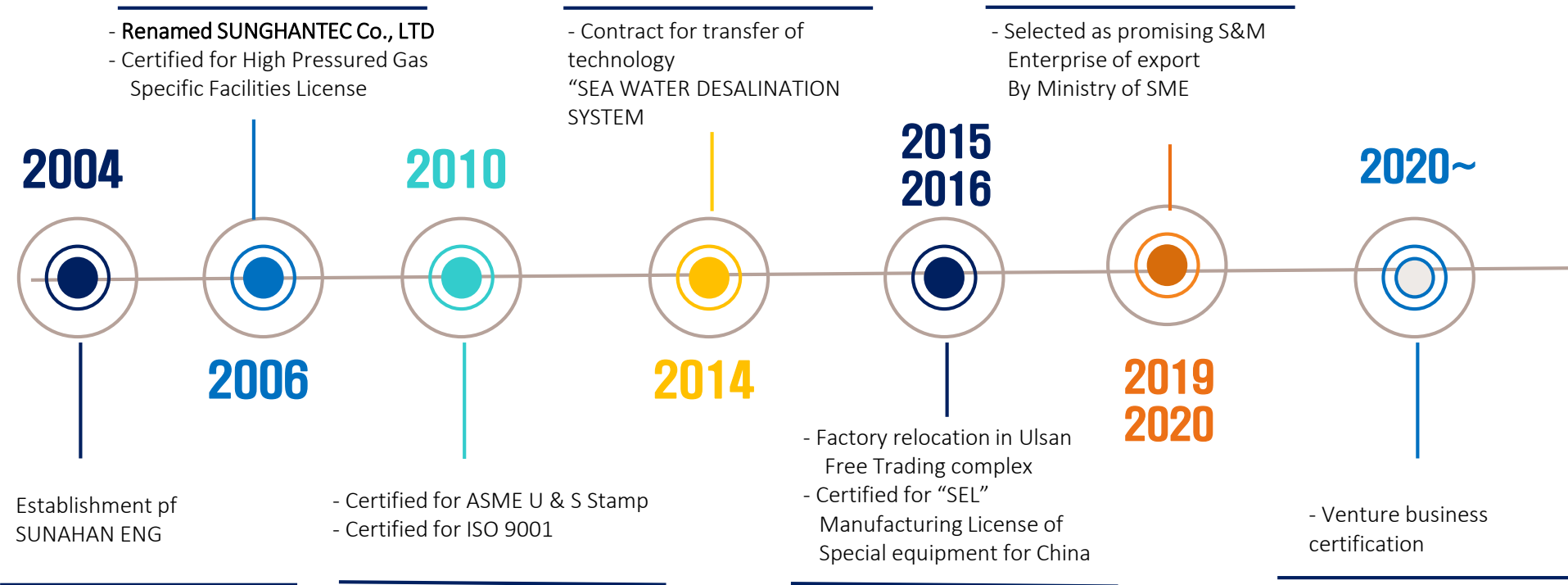
Consists of 2 main work shops for manufacturing skid module package & oil and gas process equipment



Main Products	1) Skid & module package 2) Oil & Gas Process Equipment ; Heat Exchanger, Reactor, Pressure Vessel and Piping
Capability	Max Length 35m Max Diameter 6m Max Weight 200 tons Max Thickness 100mm
Annual Capacity	2,000 tons
Man Power	Dir. Employee 15 persons * Subcontract : (Balance adjusted depends on work load)
Applicable Materials	Stainless & Duplex SS, Ni alloys and CS (Hastelloy, Inconel, Incoloy, Monel and Ti, Ti Alloy)
Certification	ISO 9001, ASME U & S Stamp
Shop Area	9.100 m2 (Indoor 6,250 m2)

About Us : History

SUNGHANTEC was established on 2004 & Since establishment, acquire several certification & reached several milestones.



About Us : Organization

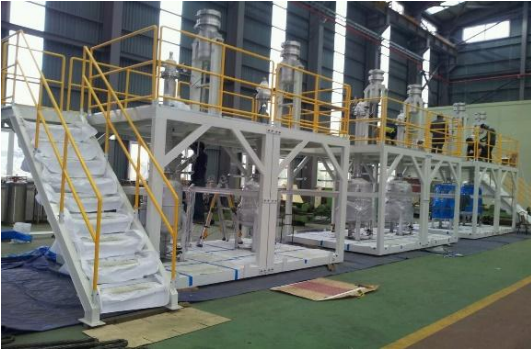


About Us : Main Business Item

From designing & engineering to providing maintenance service, SUNHANTEC offer a wide variety of services catered to our customers needs to meet customers satisfaction

MODULE & SKID

- Skid & Module



OIL & GAS PROCESSING EQUIPMENTS

- Shell & Tube Heat Exchanger, Reactor, Pressure Vessel, Column & Tower, etc.



About Us : Customers

SUNGHANTEC closely works with its customers whether that end users in order to provide our customers with the best quality & service in the fielded.

OVERSEAS



DOMESTIC



About Us : Location

Established in 2004, SUNGHANTEC is strategically located Ulsan port for logistical purpose



PORT DISTANCE

-ONSAN Port : 4.16km

-ULSAN Port : 12.2km

-ULSAN NEW Port : 3.3km



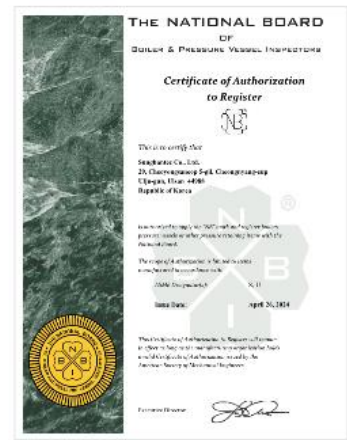
About Us : Certificates



ASME S



ASME U



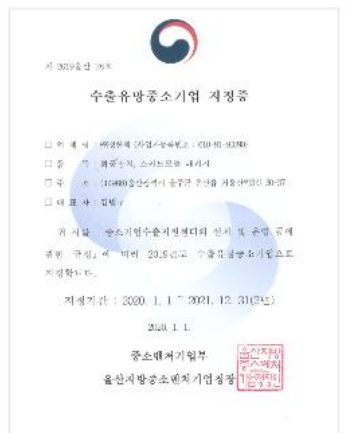
THE NATIONAL BOARD



ISO 9001:2015



기술혁신형 중소기업(Inno-Biz)확인서 (국문)



수출유망중소기업지정증(국문)



Certificate of Manufacture Registration of Cylinder (Refrigerator & Specific Equipment)



특허증(10-2268841)

MAJOR PROJECT LIST

Client Name	Project Name	Description	Q'ty	Weight (Ton)	Delivery
BUSS CHEMTECH / SWISS	SPARE FILTER,KR	Reaction Filter	1	14.1	2023.11
S-OIL	[2023 T&I] Heat Exchanger Tube Bundle	Bundle	21	286.3	2023.03 2023.05
DONG KWANG CHEMICAL	DK CO2 F PROJECT	Membrane Vessel	26	39.3	2023.03
BUSS CHEMTECH / SWISS	ES Project / Korea	Reaction Mixer	9	10.2	2023.01
SONGWON	IBL Boiler 82E201A Replacement project	Evaporator	1	22.9	2023.12
S-OIL	2024 T&I Heat Exchanger Tube Bundle & Shell side	Bundle	5	13.2	2024.06
LEWA / Australia	Chevron DEP Pressure Management Project	Pump Skid	4	40.0	2025.01 (On going)

MAJOR PROJECT LIST

Client Name	Project Name	Description	Q'ty	Weight (Ton)	Delivery
MTR	PP3 PROJECT	Skid System	1	4	2022.12
S-OIL	[2022 T&I] Heat Exchanger Tube Bundle	Bundle	10	108.8	2022.08
BUSS CHEMTECH / SWISS	ALKYLATION PJT	Reaction Mixer	1	1.4	2022.08
SONGWON	ALKYLATION PJT	COLUMN	2	80	2022.10
SONGWON	ALKYLATION PJT	Reaction Vessel Reaction Heat Exchanger Vessel, Loop Pipes	6	34	2022.09
PARKER KOREA	G1 PROJECT	Filter	18	8.7	2021.05
JOHN ZINK	BST PROJECT / Thailand	Thermal Oxidizer Package	1	15	2020.08
MTR / USA	Refinery Hydrogen Recovery Project / Netherlands	Membrane Vessel	1	1	2020.09
LOTTE E&C	HD Hyundai chemical HPC Project / Korea	Reactor & Pressure Vessel	37	160	2020.10

MAJOR PROJECT LIST

Client Name	Project Name	Description	Q'ty	Weight (Ton)	Delivery
PARKAR	HMC PP4 / Thailand	Pressure Vessel	32	18.7	2020.12
LINDE ENG.	HIMEJI CCSU Project, Japan	Cold Blow Down Drum	1	4.5	2020.04
MTR / USA	SINGAPORE EXPANSION Project / U.S.A	Membrane Package	2	86	2020.04
BUSS CHEMTECH / SWISS	Ningbo Jinhai Chenguang Chemical PJT / China	Reaction Mixer & Reaction Filter	2	21.2	2020.02
BUSS CHEMTECH / SWISS	1 st /2 nd TRAIN LARGE REACTION MIXER OF 1 st REACTION SECTION/ China	Large Reaction Mixer Small Reaction Mixer Reaction Mixer II	6	6.3	2019.10
HANSUNG TECHWIN	IEFCL-2 Project / Korea	HOPPER & Special parts	17	100	2019.02
JOHN ZINK Hamworthy	CHENGDA Project / CHINA	SKID (Train A & B)	2	2.6	2019
LEWA / Singapore	KLNG(PLIF) Project / Kuwait	Chemical Injection	3	33	2018.12
BUSS CHEMTECH / SWISS	THE Project / Korea	Reaction Mixer & Filter	2	17	2018.10
MTR / USA	Zapsib project / Russia	Membrane Package	2	11.2	2017.11

MAJOR PROJECT LIST

Client Name	Project Name	Description	Q'ty	Weight (Ton)	Delivery
MTR / USA	Hydrogen Recovery Unit Project / Turkey	Membrane Package	1	12	2017.11
BUSS CHEMTECH / SWISS	Continuous DCPD Resin Hydrogenation Project / China	Reactor & Mixer	2	42	2017
ZEECO ASIA	S Project / Korea	INCINERATOR & STACK	2	125	2019
UT&I	Lotte chemical VRU PKG / Korea	VRU Package	1	17.9	2018
SAMSUNG C&T	S-OIL Super PKG 3 / Korea	Heat Exchanger	23	293	2017
KUMHO PETROCHEMICAL	G-Line NB-Latex / Korea	Pressure Vessel	2	131	2016
ISU CHEMICAL	T/B Fabrication / Korea	Tube Bundle & Heat Exchanger	10	25	2015
S-OIL	T/A Fabrication / Korea	Pressure Vessel	5	15	2015
SAMSUNG C&T	Lotte chemical HNC-113 Project / Korea	Quench Fitting	1	11	2015
DS UMT	UDSC Production / Korea	DS UMT	1	10	2015

MAJOR PROJECT LIST

Client Name	Project Name	Description	Q'ty	Weight (Ton)	Delivery
SAMSUNG C&T	NCC Project / Korea	Quench Fitting / Samsung Total	1	10	2015
SK Energy	Shutdown Project	Miter / SK Energy	1	1	2015
SAMSUNG C&T	S-OIL Distillation Recovered Heat Generation	Drum	7	200	2014
SAMSUNG BP	SAMSUNG BP Chemical Energy Reduction / Korea	Heat Exchanger & Pressure Vessel	6	30	2014
SAMSUNG PETROCHEMICAL	By-Product Recovery Project / Korea	BA Purification Column	2	12	2013
SK E&C	Jurong Aromatic Complex Project / Korea	Heat Exchanger Vessel	23		2013
ISU CHEMICAL	NaSH Qualiry Enhancement / Korea	Heat Exchanger Pressure Vessel	2		2013
TOYO ENGINEERING	KPIC EGO Project / Korea	Pressure Vessel	27	255	2013
SAMSUNG EVERLAND	Surplus Steam Supply Network Project / Korea	Drum	8		2012
SK CHEMICAL	H-MBA Project / Korea	H-MBA Mixer	1	8	2012

MAJOR PROJECT LIST

Client Name	Project Name	Description	Q'ty	Weight (Ton)	Delivery
HONAM PETROCHEMICAL	PC, DPC Processing Project / Korea	Distillate Drum	1	2	2012
SAMSUNG EVERLAND	KP Chemical MVR2 Project / Korea	Drum	4		2012
GS E&C	VGO FCC Project / Korea	Tower	3		2012
SKEC	Jurong Island / Singapore	Heat Exchanger & Pressure Vessel	22	385	2012
LOTTE E&C	NCC Project / Korea	Quench Fitting / Lotte Chemical	1	11	2011
SAMSUNG EVERLAND	KP E-3 Project / Korea	Drum / Vessel	4	23	2011
TONGSUH PETROCHEMICAL	NO.4 NaCN PROJECT / Korea	No.4 Dryer Scrubber	1	8	2011

MAJOR PROJECT LIST

(Institute for Government Research Project)

Client Name	Project Name	Description	Q'ty	Delivery
Korea Atomic Energy Research Institute	ATLAS Project	Inner Structure	1	2019
Korea Atomic Energy Research Institute	STELLA-2 Project	Reactor	1	Ongoing
Korea Atomic Energy Research Institute	STELLA-2 Project	Sodium Tank / Heat Exchanger	25	2017
Korea Institute Machinery & Material	SCO2 Project	Condenser, Tank, Piping	4	2016
Korea Institute Machinery & Material	Performance Test for High Temperature & High Pressure Project	Heat Source	1	2015
Korea Atomic Energy Research Institute	SMART Passive Safety System Project	Vessel	3	2013
Korea Institute Machinery & Material	Performance Test for High Temperature & High Pressure Thermo-hydraulic apparatus Project	Vessel / Tank / Heat Exchanger	14	2013
Korea Institute Machinery & Material	TEST VESSEL PROJECT	Vessel	1	2013

Reference List [Process Equipment]

- Client : Buss Chemtech / TLCC / China
- Product : Reactor



- Material : SA516-70+316L Clad / (78+4)t
- Dimension : 1,990mm (I.D) x 7,750mm (L)
- Total Weight : 41 ton
- Delivered : 2017

- Client : SONGWON / Korea
- Alkylation Project
- Product : Reaction Vessel,



- Material : A240-316L
- Dimension : 2,674mm (O.D) X 7,179mm (L)
- Total Weight : 10.5 ton
- Delivered : 2022

Reference List [Process Equipment]

- Client : SONGWON / Korea

Alkylation Project

- Product : COLUMN



- Material : SA240-304L
- Dimension : 2,400mm (I.D) x 37,700mm (L)
- Total Weight : 30 ton
- Delivered : 2022



- Material : SA240-304L
- Dimension : 3,200mm (O.D) x 35,000mm (L)
- Total Weight : 50.7 ton
- Delivered : 2022

Reference List [Process Equipment]



Client : HANSUNG TECHWIN
Product : BULKUP HOPPER

- Material : A240-304
- Dimension : 4,500mm (I.D) X 13,000mm (L)
- Total Weight : 23 tons
- Delivered on : 2018

Client : Samsung C&T / S-OIL

S-OIL Distillation Recovered PJT

Product : Shell & Tube Heat Exchanger

Client : ETEC E&C / Hyundai Oil-Bank

HDO 32 BTX MVR PJT



- Material : A516-60 / A179
- Dimension : 4,100mm (I.D) x 16,693mm (L)
- Total Weight : 210 ton
- Delivered : 2014



- Material : A516-70 / A179
- Dimension : 2,020 / 3,000mm (I.D) x 10,550mm (L)
- Total Weight : 102 ton
- Delivered : 2016

Reference List [Process Equipment]

- Client : Samsung C&T / S-OIL
S-OIL Distillation Recovered PJT
- Product : Pressure Vessel



- Material : A516-60
- Dimension : 5,000mm (I.D) X 12,370mm (L)
- Total Weight : 50 ton
- Delivered : 2015

- Client : Linde Engineering / JGC Corp.
Himeji CCSU PJT, Japan
- Product : Cold Blow Down Drum



- Material : SA240-304
- Dimension : 1,900mm (I.D) X 7,730mm (L)
- Total Weight : 4.5 tons
- Local Regulation: The High Pressure Gas Safety Institute of Japan
- Delivered : 2020

Reference List [Process Equipment]

- Client : ZEECO ASIA / SK ENERGY

S PJT

- Product : FLARE STACK & INCINERATOR



- Material : SA240-304L & SA516-70N
- Dimension : 3,048/2400mm (O.D) x 59,500mm (L)
- Total Weight : 69 ton
- Delivered : 2019

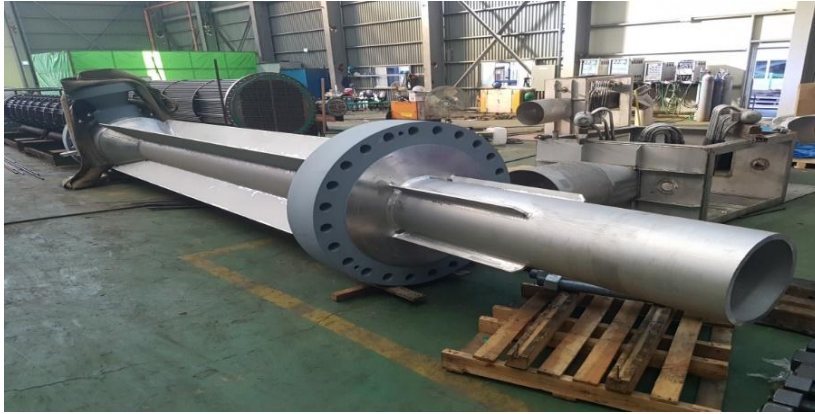


- Material : SA516-70N | REFRACTORY
- Dimension : 3,500mm (I.D) x 13,315mm (L)
- Total Weight : 56 ton (ASME STAMP)

Reference List [Process Equipment – Misc.]

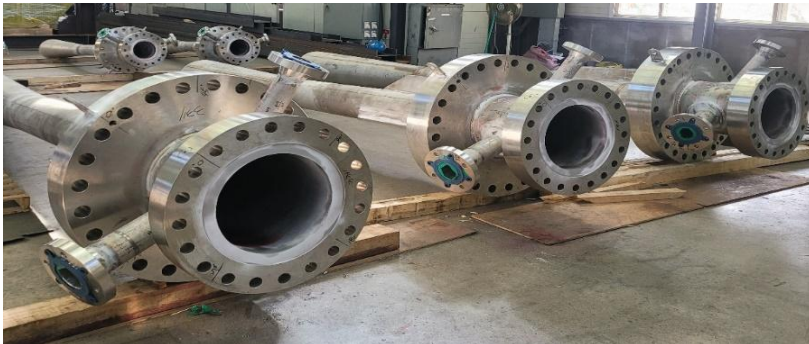
- Client : Buss Chemtech / Hanwha Chemical

- Product : Mixer



- Material : A240-304L (Shell & Mixer Jet)
- Dimension : 813mm (I.D) X 7,200mm (L)
- Total Weight : 7 ton
- Delivered : 2018

- Client : Buss Chemtech / Lotte Chemicals



- Client : BUSS ChemTech/ China

Ningbo Jinhai Chenguang Chemical PJT

Reaction Filter & Reaction Mixer



- Reaction Filter
- 316L (ASTM or DIN EN EQ.)
- ID 800 mm x L 3,213.4 mm
- 295 (EA) ELEMENT INSTALLED
- DELIVERED : 2019

- Reaction Mixer II
- Stainless Steel(316L Gr.)
- ID 10"/20" x L 4,912mm x T 11mm(Min)
- Head/ Jet / Tube / Diffuse / Autoclave
- Delivered : 2022

Reference List [Institute for Government Research PJT.]

- Client : KOREA ATOMIC ENERGY RESEARCH INSTITUTE
STELLA-2 PJT

- Product : VESSEL / TANK / HEAT EXCHANGER

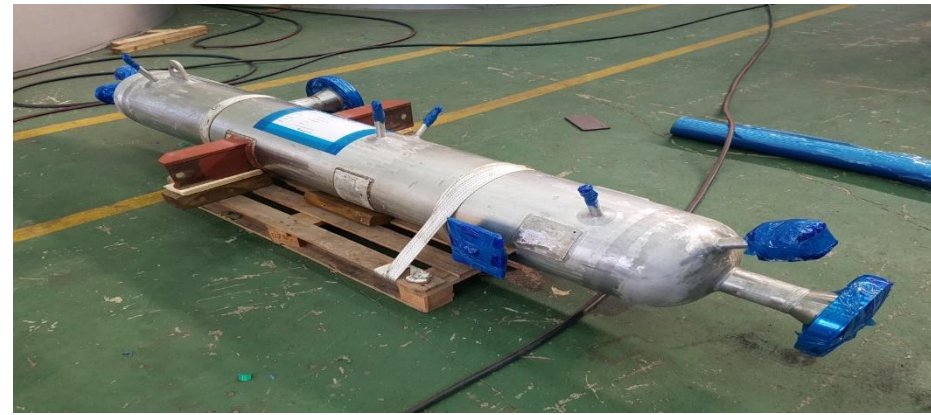


- Material : A240-316L
- Dimension : 2,276mm (I.D) x 5,962mm (L) / 12mm (T)
- Total Weight : 2 tons
- Delivered : 2017

- KOREA INSTITUTE OF MACHINERY & MATERIALS
CO2 CONDENSER



- KOREA INSTITUTE OF MACHINERY & MATERIALS
CO2 SEPARATOR



- Material : A240-316
- Dimension : 284mm (I.D) X 3,800mm (L) / 0.8 Tons
- Design Pressure : **152.96 kg/cm²g**
- Delivered : 2017

- Material : A240-316
- Dimension : 490mm (I.D) X 6,200mm (L) / 3.6 Tons
- Design Pressure : **167.3 kg/cm²(Tube)** / 10.5 kg/cm²(Shell)
- Delivered : 2017

Module & Skid (2017) Zapsib-2 Project



- Client : MTR / ZapsibNeftekhim LLC / Russia
- Product : Skid / Membrane Package

- SHT's Scope of Supply
 - Steel Structure Fabrication & Installation
 - Piping Fabrication & Installation
 - Equipment Fabrication & Installation
 - E&I(Electrical & Instrumentation) Work
 - Insulation
- MTR's Free Issue Items
 - Design
 - All Valves
 - Local Instrument
 - Special Items
- Dimension :
W2,620mm x H4,000mm x L6,880mm
- Weight : 11.2 tons

Module & Skid (2017)

300 MTPD AMMONIA Project



- Client : MTR / EIT Brkir A.S / Turkey
- Product : Skid / Hydrogen Recovery Unit

- SHT's Scope of Supply
 - Steel Structure Fabrication & Installation
 - Piping Fabrication & Installation
 - Equipment Fabrication & Installation
 - E&I(Electrical & Instrumentation) Work
 - Electric heat tracing
- MTR's Free Issue Items
 - Design
 - Manual Valves
 - Instrument
 - Membrane
 - Cable
- Material : A335-LF2 Cl.2
- Dimension :
W2,224mm x H2,445mm x
L8,800mm
- Weight : 12 tons

Module & Skid (2018) VRU Package



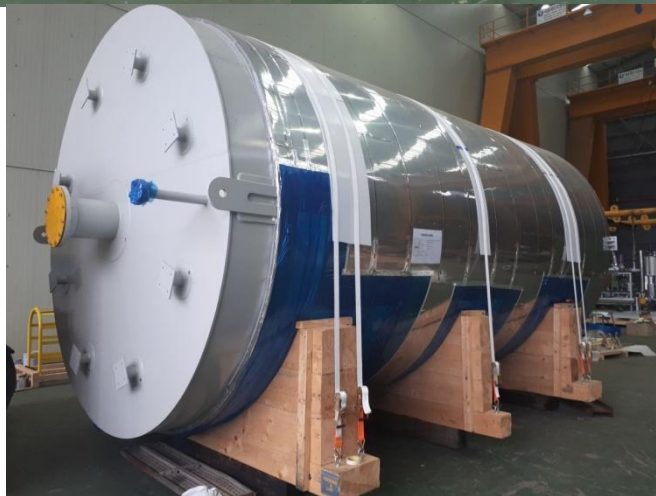
- Client : UT&I / Lotte Chem. / Korea
- Product : Skid
- SHT's Scope of Supply
 - Steel Structure Fabrication & Installation
 - Piping Fabrication & Installation
 - Equipment Fabrication & Installation
 - Site Installation
- UT&I's Free Issue Items
 - Design
 - All Valves
 - Local Instrument
 - Special Items
 - E&I(Electrical & Instrumentation) Work
 - Insulation
- Dimension :
W2,620mm x H4,000mm x L6,880mm
- Weight : 17.9 tons

Module & Skid (2018) Al-Zour LNG Import Project

- Client : LEWA / HEC / KIPIC / Kuwait
- Product : Skid / Chemical Injection Package



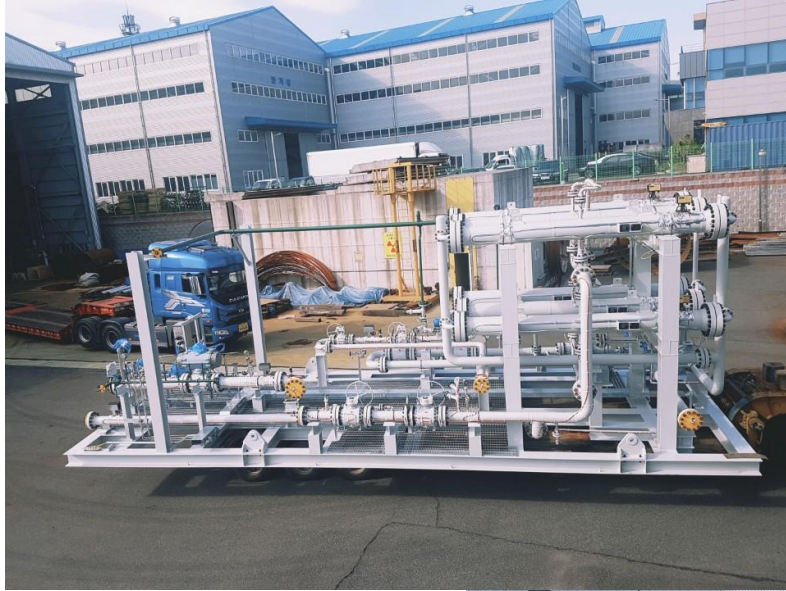
- SHT's Scope of Supply
 - Steel Structure Fabrication
 - Piping Fabrication
 - Steel Tank Fabrication
 - E&I Work
 - Insulation work
- LEWA's Free Issue Items
 - Design
 - Valves
 - Instrument
 - GRVE Tank & Pipe
 - Cable



- Material : SS 316L & GRVE
- Dimension :
W3,100mm x H2,927mm x
L9,100mm & Etc.
- Weight : 33 tons

Module & Skid (2020) Singapore Expansion Project

- Client : MTR / TechnipFMC / Neste / Singapore
- Product : 2 x Skid / Hydrogen Recovery Unit



- SHT's Scope of Supply
 - Steel Structure Fabrication & Installation
 - Piping Fabrication & Installation
 - Welded Valve
 - On-Off Valve
 - Control Valve
 - E&I (Electrical & Instrumentation) Installation
 - Junction Box
 - Instrument / Flow Meter, Gauge, Thermowell & Transmitter
 - Cable
- Material : A106-B
- Dimension :
W4,900mm x H5,000mm
x L12,700mm x 2 sets
- Weight : 44 & 42 tons

Module & Skid (2022) Propylene Recovery Unit(PRU)



- Client : MTR / Hyosung chemical / Korea
- Product : Skid / Membrane Package

- SHT's Scope of Supply
 - Steel Structure Fabrication & Installation
 - Piping Fabrication & Installation
 - Equipment Fabrication & Installation
 - Manual Valves
- MTR's Free Issue Items
 - Design
 - Control Valves
 - Local Instrument
 - E & I Work
- Dimension :
W1,750mm x H2,400mm x L3,500mm
- Weight : 4 tons

Module & Skid (2019) **CHENGDA Project**

- Client : John Zink Hamworthy / Chengda / China
- Product : Skid (Train A & B)



- SHT's Scope of Supply
 - Detail Engineering
 - Steel Structure Fabrication & Installation
 - Piping Fabrication & Installation
 - On-Off Valve
 - Control Valve
 - E&I(Electrical & Instrumentation) Work
 - Junction Box
 - Instrument / Flow Meter, Pressure Gauge & Transmitter
 - Local Control Panel
- Dimension :
W1,100mm x H2,236mm
x L5,350mm / 2 Sets
- Weight : 1.3 tons x 2 sets

TO BE THE BEST
SUNGHANTEC CO., LTD.