

There is a future in **DASCO**.
Future of your company shall be changed with **DASCO**.

COMPANY PROFILE 2020

DYNAMIC & SPECIAL COMPANY



HEAT EXCHANGER FOR ENERGY SAVING

www.dascohexas.com

GREETING MESSAGE

DYNAMIC & SPECIAL COMPANY

DASCO

HEAT EXCHANGER FOR ENERGY SAVING

The management philosophy of DASCO is that the enterprises should permanently exist and develop, the purpose of management of the company is “profit maximization”, and the goal of the management of the company is to be a world-class company. DASCO has continuously made investments and endeavors to be the best in the heat exchange area since its establishment in 1995.

The company intends to make every endeavor as the leader in heat exchanger area based on its know-how that has been accumulated as a professional heat exchanger company including Air compressor inter cooler, H2 cooler, Shell & Tube heat exchanger, Pressure Vessels, and Electric heater as well as good-quality products and competitive prices.

Dasco co., Ltd.
PRESIDENT **Lee, Geun young**

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*Beyond the Simple
Customer’s Satisfaction*



Head office and factory

Date of establishment : Jul. 2020 Land area : 11,600 m²
 Factory Building area : 7,700 m²

1. OUTLINE OF COMPANY

1. NAME : DASCO Co., Ltd
2. BOARD OF DIRECTOR / PRESIDENT : Lee, Geun young
3. FOUNDED : OCT, 1995
4. CORRESPONDENT BANKS : KOOKMIN BANK, KOREA
5. NUMBER OF EMPLOYEES : 103 PERSONS
 - FINANTIAL & MANAGING STAFF : 8 / SALES ENGINEER : 8
 - DESIGN ENGINEER : 10 / Q.A ENGINEER : 8 / PRODUCTION : 69
6. CAPITAL : ₩ 363,270,000 (US\$ 330,000)
7. SALES AMOUNT OF YEAR 2019 : US\$ 20,300,000
8. ADDRESS : 33, Noksansandan 17-ro 78beon-gil, Gangseo-gu, Busan, Korea
 T. 82.51.973.4895 F. 82.51.973.4894 E-mail : dasco@dascohex.com



1. OUTLINE OF COMPANY

Factory 2

92, Gimhae-daero 916beon-gil, Hallim-myeon, Gimhae-si, Gyeongsangnam-do, Korea



Date of establishment : May 2000 / Land area : 5,315 m² / Factory Building area : 1,578 m²

Factory 3

53, Jeokmal-gil, Docheon-myeon, Changnyeong-gun, Gyeongnam, Korea

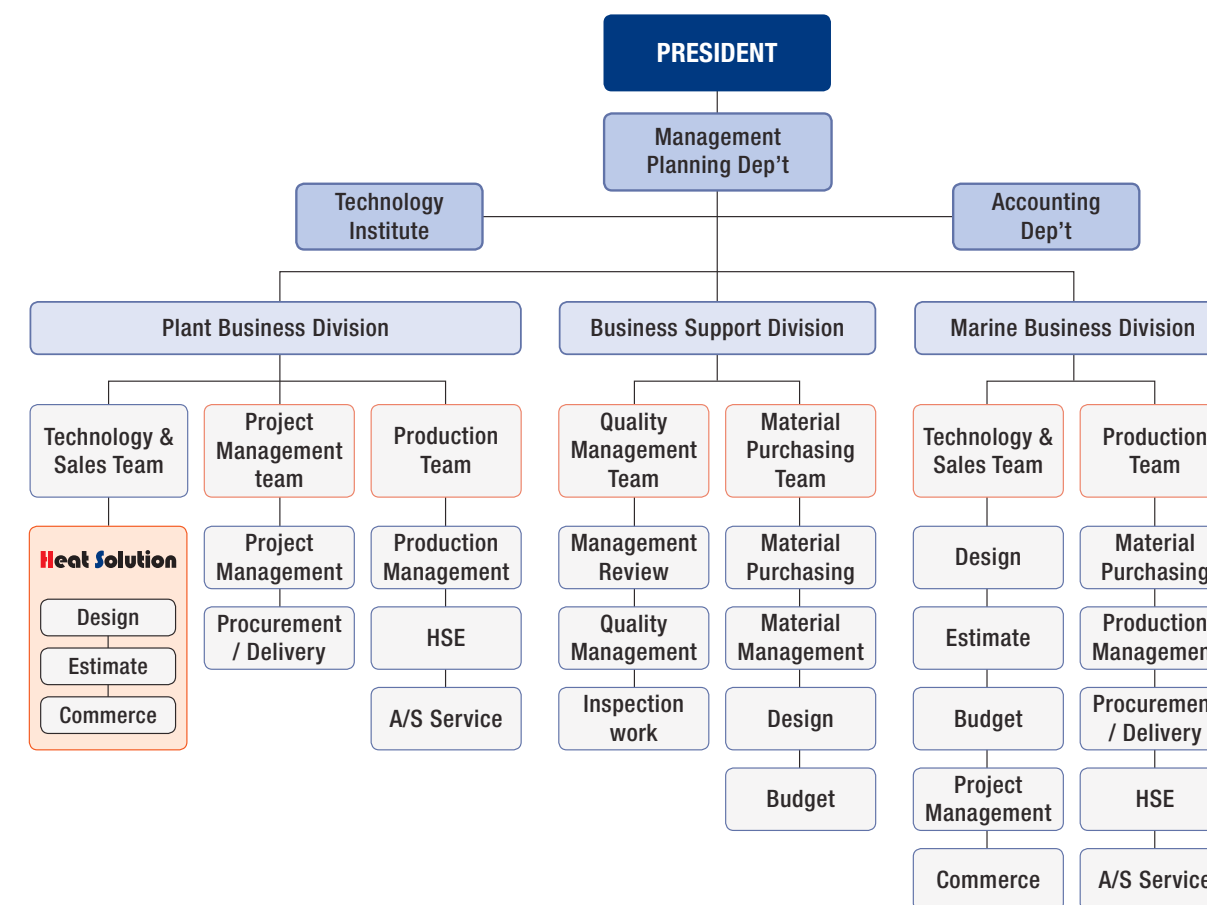


Date of establishment : Mar 2014

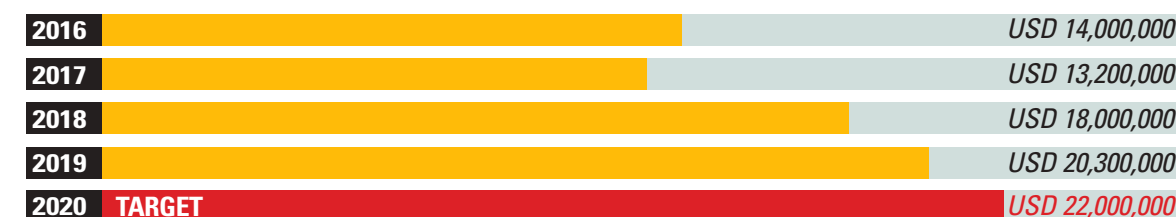
Land area : 19,800 m²

Factory Building area : 1,864 m²

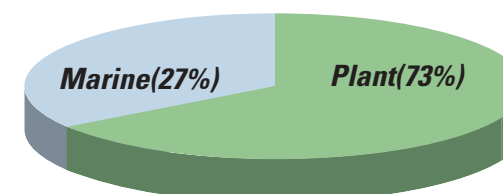
2. ORGANIZATION CHART



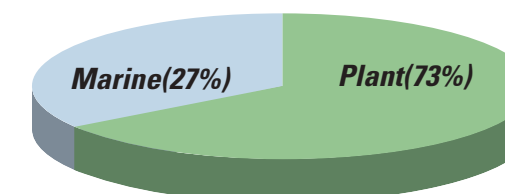
3. TURN-OVER (YEARLY SALES)



[Contract Breakdown]



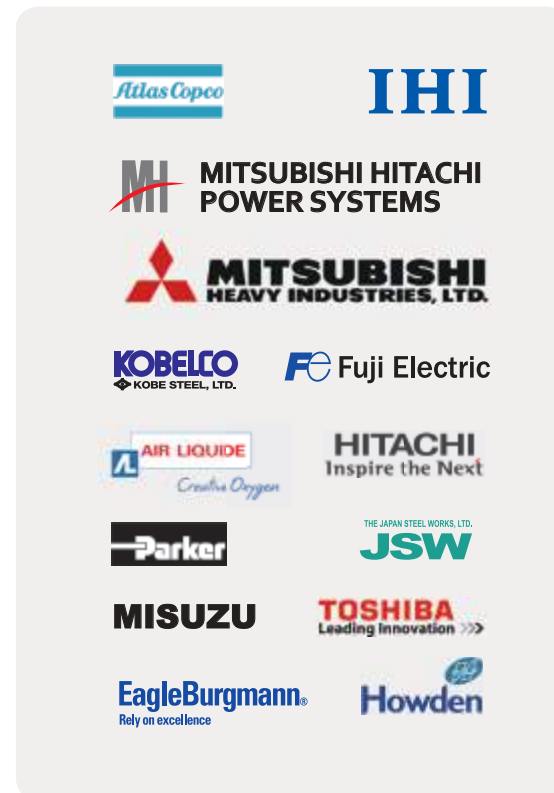
[Sales Breakdown]



4. MAIN CUSTOMER

1) FOREIGN CUSTOMER

- ATLAS COPCO : [AMERICA], [GERMANY], [FRANCE], [KOREA]
- IHI ROTATING MACHINERY
- KOBE STEEL
- MITSUBISHI HITACHI POWER SYSTEMS
- MITSUBISHI HEAVY INDUSTRY
- FUJI ELECTRIC
- HOWDEN
- AIR LIQUIDE
- HITACHI
- MISUZU INDUSTRIAL CORP.
- PARKER TECHNO
- JAPAN STEEL WORKS
- EAGLEBURGMANN
- TOSHIBA
- ABEX
- ITO STEEL WORKS



2) DOMESTIC CUSTOMER

- HANWHA POWER SYSTEMS
- DOOSAN HEAVY INDUSTRIES
- HYUNDAI HEAVY INDUSTRIES
- DOOSAN ENGINE
- DSME / DSEC
- STX ENGINE
- STX OFFSHORE & SHIPBUILDING
- HI AIR KOREA / CONDITIONING
- DAESUNG INDUSTRIAL GASES
- KOLON INDUSTRIES
- POSCO
- KOREA 5 MAJOR ELECTRIC POWER CO. : [KOEN], [KEWP], [KOWEPO], [KOSPO], [KOMIPO]
- SEAH ENGINEERING
- DAEJU MACHINERY CO., LTD
- KANGRIM HEAVY INDUSTRIES



5. PRODUCTION CAPACITY & HANDLING MATERIALS

1) PRODUCTION CAPACITY FOR 1 FACTORY

- MAX. WEIGHT : 100 TON
- MAX. SIZE (L x W x H) : 20 x 8 x 7 (m)

2) PRODUCTION CAPACITY FOR 3 FACTORY

- MAX. WEIGHT : 40 TON
- MAX. SIZE (L x W x H) : 20 x 4 x 4 (m)

3) MAJOR HANDLING MATERIALS

- CARBON STEEL
- STAINLESS STEEL
- COPPER & COPPER ALLOY (BRASS, BRONZE, CU-NI)
- ALLOY STEEL (Cr-Mo & CARBON-Mo)
- TITANIUM & TITANIUM CLAD

6. MAIN PRODUCTS

1) INTER/AFTER COOLER FOR COMPRESSOR

2) SHELL & TUBE TYPE HEAT EXCHANGER

3) H2 / AIR COOLER FOR GENERATOR

4) OIL COOLER FOR API-614

5) GLAND STEAM CONDENSER FOR S/T & G/T

6) PRESSURE VESSEL

7) STEAM AIR HEATER FOR BOILER

8) SURFACE CONDENSER (CYLINDRICAL TYPE) WITH EJECTOR UNIT FOR S/T

9) EJECTOR FOR GLAND CONDENSER

10) AIR FAN COOLED HEAT EXCHANGER (BY API661) FOR COMPRESSOR

11) HEATER & VAPORIZER FOR LNG

12) CHARGE AIR COOLER FOR ENGINE

1) INTER/AFTER COOLER FOR COMPRESSOR (PLATE FIN TYPE HEAT EXCHANGER)

A Inter/After Cooler is installed in air compressor, It requires special design with a heat exchanger that cools compressed high temperature air to reduce its volume.
It consists of Fin Tube, Water Box, and Casing, etc.

- **Material Code** : ASME, ASTM, JIS
- **Applicable Code** : ASME(U-STMP with NB Cer't)
TEMA R.C.B.
KOREA KGS, KOSHA, KEMCO, KESCO and Etc.
JAPAN KHK, 2nd Pressure Vessel code
CE MARK (PED Cer't)
World Wide Local law (DOSH, MOL, TRCU for Russia, CRN for Canada & etc.)
- **Material Combination** : Tube : Cu-Ni (9:1, 7:3), Cu, SUS 304, 316, Duplex.
Fin : AL, CU
Fin Coat : Sn Coat, Bly gold Coat, Phenolic Coat



2) SHELL & TUBE TYPE HEAT EXCHANGER

A Shell & Tube Heat Exchanger is heat exchanger that is the most general form and the most widely used. It is used for processor of power generation station, petroleum and chemical engineering factory and for facilities such as fuel Oil heater, Lubrication oil cooler. We provides heat calculation and structure design services for its manufacturing.

- **Applicable Code** : ASME(U-STMP with NB Cer't)
TEMA R.C.B.
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JAPAN KHK, 2nd Pressure Vessel code
CE MARK (PED Cer't)
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O2 COOLER WITH O2 CLEANING ROOM



Fuel Gas cooler and After cooler for Compressor



GAS COOLER FOR LNG COMPRESSOR



NG PRE HEATER FOR LNGC

2) SHELL & TUBE TYPE HEAT EXCHANGER

LUBE OIL COOLER FOR ROTATING MACHINERY



STACKING TYPE LUBE OIL COOLER



OIL FLUSHING EQUIPMENT

GLAND STEAM CONDENSER FOR S/T



FAN BLOWER EXHAUST TYPE GLAND STEAM CONDENSER



EJECTOR EXHAUST TYPE CONDENSER & SILENCER

EJECTOR FOR AIR EJECTOR UNIT



3) H₂ / AIR COOLER FOR GENERATOR

Hydrogen Cooler is a heat exchanger that cools with tube side cooling water. A large-sized power generator uses hydrogen which specific heat is big as a cooling media. The high temperature hydrogen by cooling power generator flows to fin side and it is used for cooling. It consist of plate fin, tube and water box. To prevent from vibration, it is manufactured using a professional vibration interpretation device.

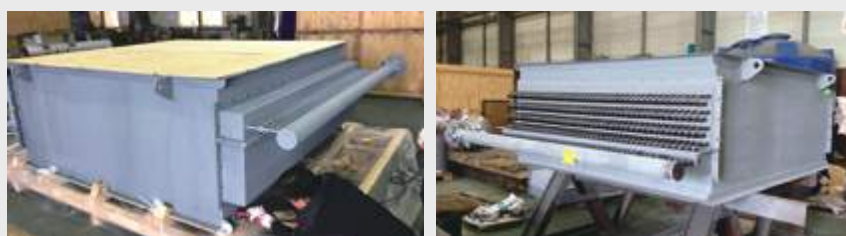
- **Applicable Code** : ASME(U-STMP with NB Cer't)
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KOREA KGS, KOSHA, KEMCO, KESCO and Etc.
JAPAN KHK, 2nd Pressure Vessel code
CE MARK (PED Cer't)
World Wide Local law (DOSH, MOL, TRCU for Russia, CRN for Canada & etc.)
- **Material Combination** : Tube : Cu-Ni (9:1, 7:3), Cu, SUS 304, 316, Duplex.
Fin : AL, CU
Fin Coat : Sn Coat, Bly gold Coat, Phenolic Coat
- **Registered to GE, Doosan Heavy Industries**



4) OTHER HEAT EXCHANGER

- **Applicable Code :** ASME(U-STMP with NB Cer't)
TEMA R.C.B.
KOREA KGS, KOSHA, KEMCO, KESCO and Etc.
JAPAN KHK, 2nd Pressure Vessel code
CE MARK (PED Cer't)
World Wide Local law (DOSH, MOL, TRCU for Russia, CRN for Canada & etc.)

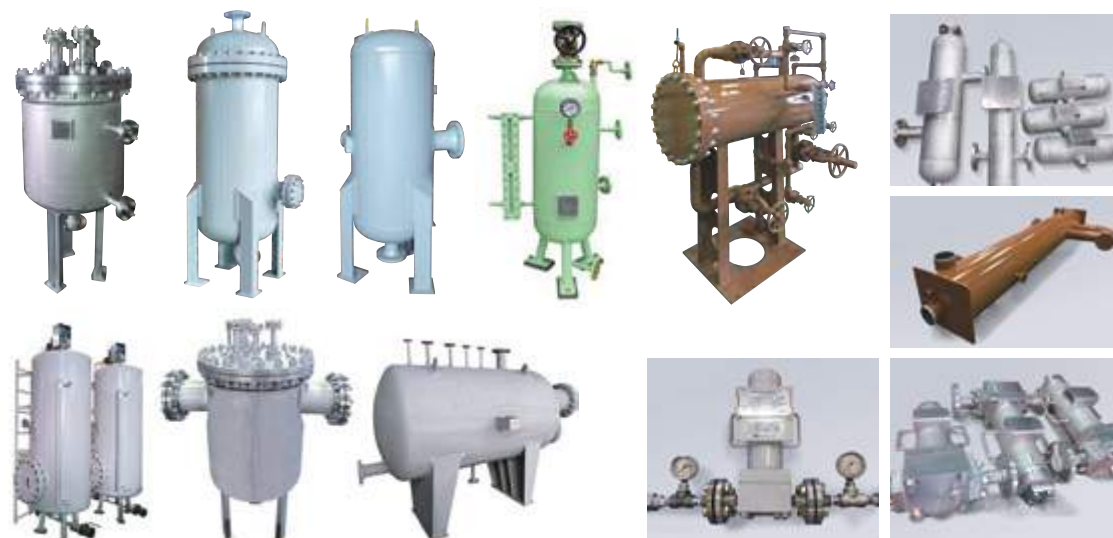
STEAM AIR HEATER
(Hot Water Air Heater)
for Boiler



5) PRESSURE VESSEL (OIL / GAS FILTER, ETC)

A Pressure Vessel is for various processes in power generation plant, ship, petroleum and chemical engineering factory, etc. It is manufactured with structure and design satisfying various requirements of standards such as various ship associations, ASME, JIS, KGS,API, etc.

- **Applicable Code :** ASME(U-STMP with NB Cer't)
TEMA R.C.B.
KOREA KGS, KOSHA, KEMCO, KESCO and Etc.
JAPAN KHK, 2nd Pressure Vessel code
CE MARK (PED Cer't)
World Wide Local law (DOSH, MOL, TRCU for Russia, CRN for Canada & etc.)



7. HISTORY OF DASCO

No.	SUBJECT
Oct. 1995	Established DASCO in 975, Jangnim-dong, Saha-gu, Busan, Korea
May. 2000	Changed the company into a corporation, DASCO Co., Ltd.
Nov. 2003	Certified of ISO 9001:2000(NQA)
Nov. 2005	Obtained the certification of anti-explosive electric heater (KIMM)
Aug. 2006	Obtained CE certification (in electric heater part (SGS))
Aug. 2006	Moved the office to a newly-constructed building in Byeongdong-ri, Halim-myeon, Gimhae-si, Gyeongnam
Feb. 2007	Being registered as a business company in Samsung Techwin
Oct. 2008	Obtained Ship's Classification certification of ABS, BV, KR
Dec. 2008	Shop approved by DNV ship classification
Feb. 2009	Obtained INNO-BIZ certification
Mar. 2009	Being registered as a cooperative company of Doosan Heavy Industries
Nov. 2009	Obtained the certification of ASME, S and U Stamp
Jun. 2010	Registered as business partner of GE
Jul. 2010	Registered manufacture of specific equipment in Korea Gas Safety Corporation
Sep. 2010	Newly constructed 2nd factory 255, Najeon-ri, Saengnim-myeon, Gimhae-si, Gyeongnam, Korea
Apr. 2013	Registered vender of DSEC (Marine area)
Mar. 2014	Expended new company at Gyeongnam, Changnyeong-gun (area 19,800 m ²)
Nov. 2014	Registered vendor of DSME
Dec. 2014	Registered vender of STX, SungDong, Doosan Engine (Marine area)
Apr. 2015	Invested capital to plant engineering professional company, Heat Solution
May. 2015	Registered supplier of Air Liquide (Japan), Hyundai Heavy Industries
Oct. 2015	Registered Supplier of IHI, MHPS, Atlas Copco (America, France, Korea)
Dec. 2015	Registered Supplier of Kobe Steel
Feb. 2016	Obtained the certification of 5 Major Korea Electric Power Co.
Sep. 2016	Registered Supplier of Fuji Electric, POSCO
Oct. 2017	Obtained the certification of TR-CU as approved factory
Jul. 2019	Selected as a prospective medium & small enterprise
Dec. 2019	Awarded export tower for USD 3 million dollars
Jul. 2020	Moved the head office and factory to Noksansandan, Gangseo-gu, Busan, Korea

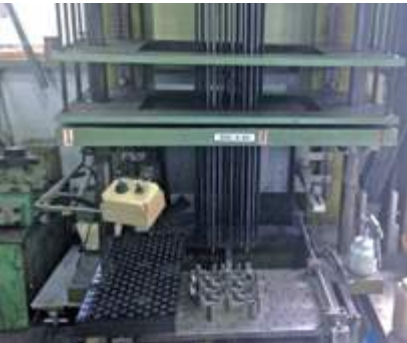
8. MAIN FACILITY

No.	Equipment	Specification	Q'ty
1	Overhead Crane	2.8 Ton, 3 ton, 5 ton, 15 ton, 20 ton, 30 ton	14
2	TIG Welding Machine	500A	30
3	CO2 Welding Machine	600A	20
4	Plate Fin Press Machine	60 Ton (1ea) 80 Ton (3ea)	4
5	Tube Expanding Machine	TR-502H JTEC-12	6
6	CNC Lathe Machine	8" (1ea) 10" (1ea)	2
7	Lathe Machine	D-480	2
8	Turning Machine	TNL-802	8
9	H2/C, Air/C, I/AC Bundle Ass'y Table	1500 x 4800 x 1ea 1600 x 4500 x 1ea 1600 x 3500 x 6ea	8
10	Radial Machine	RE-1000	2
11	Machining Center	MT-650 / 750 / 900	4
12	Vibration Tester	Lion / VA-12	1
13	Milling Machine	2호기	3
14	Hydro. Test Unit	80 kg/cm ² (2ea) 400 kg/cm ² (1ea)	3
15	Plate Fin & Tube Single / Multi-Expander	231 Hole, etc (Multi 3ea, Single 7ea)	10
16	Oil Flushing Equipment	3,000L	1
17	Hydraulic Torque Wrench	450 ~ 4510 N/M	2
18	Electronic Expanding Machine	10 m, etc	4
19	R.T Room	15L x 5W x 5H (m)	1

Plate Fin Press Machine



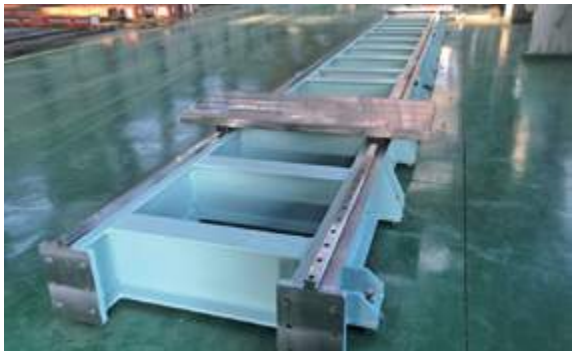
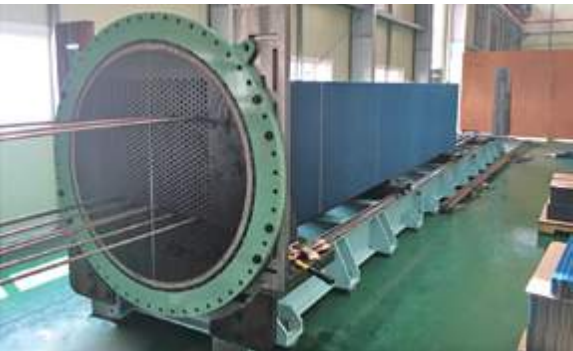
Plate Fin & Tube Multi Expander



Fin-Tube Bundle Ass'y Jig



Fin-tube Bundle Expanding & Ass'y Table

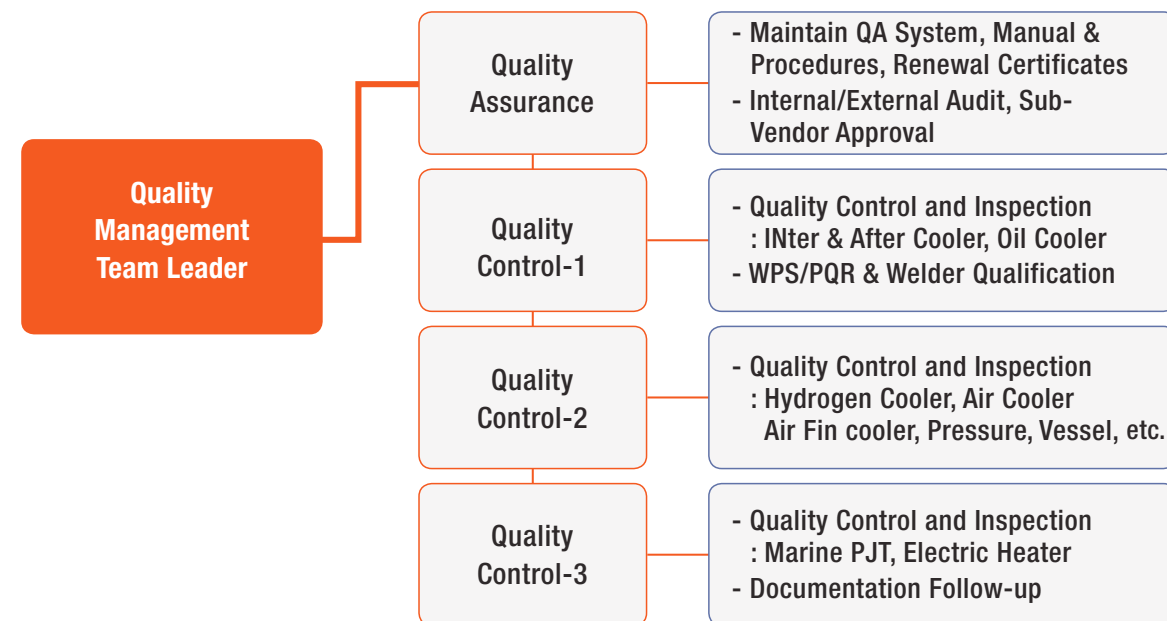


Oil Flushing Equipment



9. QUALITY MANAGEMENT

1) ORGANIZATION OF QUALITY MANAGEMENT TEAM



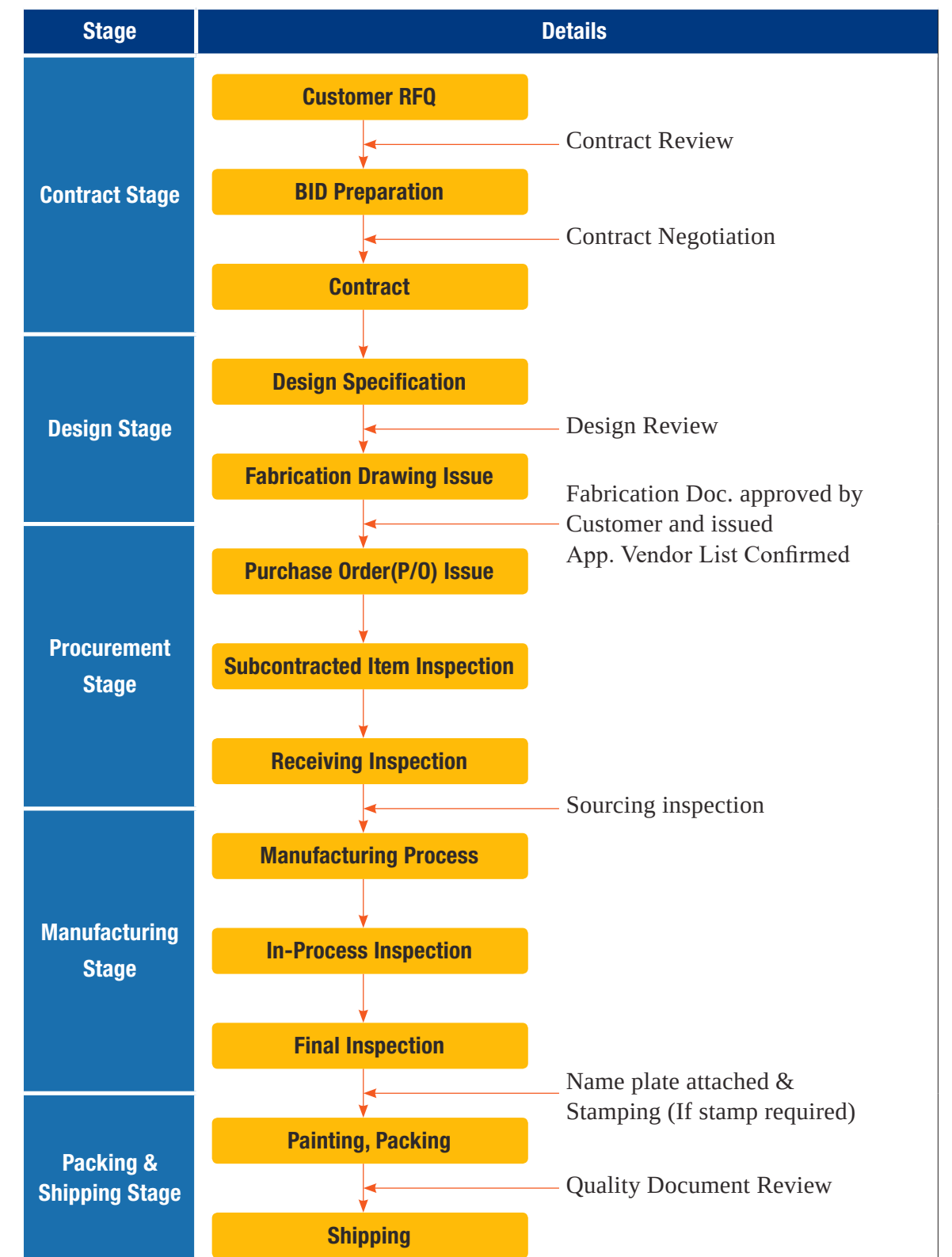
2) QUALIFIED WELDER LIST BY ASME

Welder I.D No.	Welder Name	Welding Process			
		GTAW	FCAW	SAW	SMAW
DW-01	S.G Lee	0	0		
DW-03	J.S Woo	0	0		
DW-12	S.U Song	0	0		
DW-14	J.E Ryu	0	0		
DW-22	J.G Kim	0	0		
DW-23	G.S Yang	0	0		
DW-24	J.I Yu	0	0		
DW-25	G.H Kang	0	0		
DW-26	S.B Hwang	0	0		
Total Welder	9 Persons	9	9	PLAN	OUT-SOURCE

3) CERTIFIED NDE PERSONNEL LIST

No.	Name	Method	Lv.	Cert. No.
1	Park, Man Jeon	RT, UT, MT, PT, LT	III	ASNT Level III
2	Shin, Chang Soo	RT, UT, MT, PT, VT	III	ASNT Level III
3	Kang, Ki Cheon	MT	III	ASNT Level III
4	Kang, Mun Hwan	RT,MT	II	ASNT Level III
5	Park, Se Hoon	RT, UT, MT, PT, VT	II	ASNT Level II
6	Hea, Jae Hoon	RT,UT,MT,PT,VT	II	ASNT Level II

4) QUALITY PLAN OF THE MANUFACTURING PROCESS



10. STATUS OF QUALITY CERTIFICATION

Organization	Certificate Item	Expiry Date	Number
SPEC	ISO 9001	2021. 04. 24	QMS-1404
ASME	U-STAMP	2021. 12. 10	#39135
ASME	S-STAMP	2021. 12. 10	#39134

Korean Local Regulation

1. KESCO – Korea Electrical Safety Corporation
2. KGS – Korea Gas Safety Corporation
3. KEMCO – Korea Energy Management Corporation
4. KOSHA – Korea Occupational Safety & Health Agency
5. KIMM – Korea Institute of Machinery & Materials

Other International Local Regulation

1. Japanese KHK, and 1st & 2nd Pressure Vessel Code
2. CE-Mark (PED) for European site
3. TR-CU (GOST-R, etc.) for Russian site
4. IBR Cert. for Indian site
5. Others (Singapore-MOL, Malaysian- DOSH, CRN for Canada, Algerian rule, etc)

Class	Certificate Item
A.B.S	Approval of Welding Procedure
B.V	Approval of Welding Procedure
D.N.V-G.L	Approval of Manufacturer (Class 1&2)
L.R	Fusion Welded Pressure Vessels (Class 1)
K.R	Approval of Manufacturer (Class 1&2)

Certificate of Registration




Quality Management System Certificate

Certificate No : QMS - 1404

Company Name : DASCO CO., LTD.
92, Gimhae-daero 916beon-gil, Hallim-myeon, Gimhae-si,
Gyeongsangnam-do, Korea

Scope of registration : Design, development and production of heat exchanger

Standard : KS Q ISO 9001:2015 / ISO 9001:2015

SPEC hereby certifies that the Quality Management System of the above organization has been assessed and found to meet the requirements of the standard and scope of registration detailed above.

Certificate From : 2018-04-25 Certificate Expiry : 2021-04-24
(Registration on 2008-07-15)
Reissue : Re-certificate
Issue date : 2018-04-25

Signed for and on behalf of SPEC



By authority of the Chief Executive

■ The Accreditation Mark indicates accreditation by KAB in respect of those activities covered by the accreditation
certificated number: KAB-QC-18
 ■ SPEC is accredited by Member(KAB) of the International Accreditation Forum Multilateral Recognition Arrangement
for Quality Management Systems




KAB-QC-18

SPEC Co., Ltd. : (Gyeon-dong, ACS High-Tech Tower 5th, 6th, 22th, Gyeon digital 1-ro, Gyeoncheon-gu, Seoul, Korea)



CERTIFICATE OF AUTHORIZATION

The named company is authorized by the American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the certification mark and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with this certification mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:

DASCO Co., Ltd.
92, Gimhae-daero 916 Beon-gil,
Hallim-Myeon
Gimhae-si, Gyeongsangnam-do 50850
Republic of Korea

SCOPE:

Manufacture and assembly of power boilers at the above location and field sites controlled by the above location

The American Society of Mechanical Engineers



AUTHORIZED: November 27, 2018
EXPIRES: December 10, 2021
CERTIFICATE NUMBER: 39,134

Richard R. Stevenson
Board Chair, Conformity Assessment

Joseph K. Brown
Managing Director, Conformity Assessment



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Gimhae-si, Gyeongsangnam-do 50850
Republic of Korea

SCOPE:

Manufacture of pressure vessels at the above location and field sites controlled by the above location (This authorization does not cover impregnated graphite)

The American Society of Mechanical Engineers



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Managing Director, Conformity Assessment

[illegible]

APPROVAL OF MANUFACTURER CERTIFICATE		DNV-GL	
Certificate No: AHT000003S		Revision No: 1	
This is to certify: That the Manufacturer DASCO Co., Ltd. (Gimhae factory) Gimhae-si, Gyeongsangnam-do, Republic of Korea is approved for the Manufacture of Welded Pressure Vessels, Class I & II			
The approval is granted on condition that DNV GL class programme DNVGL-CP-0261 – Manufacture of pressure equipment DNV GL class programme DNVGL-CP-0352 – Manufacture of welded products – Welding workshop are compiled with in all respect			
Welding of pressure equipment has been approved with the following particulars: Welding supervisor : Young Sang, Seo Deputy welding supervisor : Young Jin, Kim			
Manufacturer(s) approved by this certificate is/are accepted to deliver according to DNV GL DNV and GL rules.			
Issued at Havik on 2019-11-19		for DNV GL	
This Certificate is valid until 2020-12-31 .			
DNV GL local station: Changwon			
Approval Engineer: Jane Lozanov			
Zeinab Sharifi Head of Section			
This Certificate is subject to terms and conditions overlaid. Any significant change in production facilities and methods may render this Certificate invalid.			
Form code: AM 301		Revision: 2018-03	
www.dnvgl.com		Page 1 of 2	
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		ТАМОЖЕННЫЙ СОВЕЗ	
СЕРТИФИКАТ СООТВЕТСТВИЯ		СЕРТИФИКАТ СООТВЕТСТВИЯ	
Серия RU № 0147482		№ TC RU-CR-MH10.B.01127	
ОРГАН ПО СЕРТИФИКАЦИИ продукция и услуг "Башкирский центр сертификации и тестирования" ООО "АРТИРУП", ул.Ита 50-летия Октября, дом 24, офис 309, город Уфа, Республика Башкортостан, Россия, 450005. Телефон +7 (347) 246-07-17, адрес электронной почты artirup10@timblet.ru. Аттестат аккредитации № RA.RU.10MH10 выдан 24.06.2015 Федеральной службой по аккредитации.			
ЗАЯВИТЕЛЬ Общество с ограниченной ответственностью "ТЕХНОХИМ". ОГРН: 1090280010259. Место нахождения и фактический адрес: Улица Степана Злобина, дом 31, корпус 2, город Уфа, Республика Башкортостан, Российская Федерация, 450022. Телефон +7(967) 739 5835, адрес электронной почты technohim-ufa@mail.ru.			
ИЗГОТОВИТЕЛЬ DASCO CO., LTD. Место нахождения и фактический адрес: 92, Gimhae-daero 91beon-gil, Hallim-myeon, Gimhae-si, Gyeongsangnam-do, Республика Корея.			
ПРОДУКЦИЯ Аппараты текзобъемные кожухотрубчатые, охлаждаемые промежуточные (INTER COOLER) и конденсаторы (ARTER COOLER), рабочее давление межтрубного пространства от 0,06 до 9,0 МПа, рабочее давление трубного пространства от 0,06 до 9,0 МПа, вместимость межтрубного пространства от 0,015 м³ до 16 м³, вместимость трубного пространства от 0,015 м³ до 16 м³, рабочая среда газ и жидкость, группы сред 1 и 2, категория оборудования 3 и 4 в соответствии с правилами № 1 ТР ТС 032/2013. Продукция изготавливается в соответствии с ASME VIII раздел 1, редакция 2015 года "Правила проектирования сосудов под давлением". Серийный выпуск.			
КОД ТН ВЭД ТС 8419 50 000 0		ТР ТС 032/2013 "О безопасности оборудования, работающего под избыточным давлением".	
СЕРТИФИКАТ ВЫДАН НА ОСНОВАНИИ Протокола испытаний №1012/17 от 16.10.2017 Испытательной лаборатории потеплового анализа объектов Общества с ограниченной ответственностью "Научно-технический центр экспертизы, диагностики, освидетельствование", аттестат аккредитации № RA.RU.21HTCO1, акта о результатах анализа состояния производства № 0767-СТ от 28.08.2017, паспорта на сосуд, работающий под давлением, обеспечения безопасности 17DP028-06, расчета на прочность № VP-17DP028-1IC-STR, инструкции по эксплуатации и техническому обслуживанию, оборотного чертежа VP-17DP028-1IC-GA.			
Схема сертификации 1С.			
АПОДРОБИТЕЛЬНАЯ ИНФОРМАЦИЯ Сигналы, в результате применения которого обеспечивается соблюдение требований технического регламента: ГОСТ 7 52630-2012 "Сосуды и аппараты стальные сварные. Общие технические условия". Условие хранения, срок хранения без переаккредитации и срок службы в соответствии с технической документацией изготовителя.			
СРОК ДЕЙСТВИЯ С 30.10.2017	ПО 27.10.2022	ВКЛЮЧИТЕЛЬНО	
Руководитель (уполномоченное лицо) органа по сертификации		Е.П. Винокурова	
Эксперт (эксперт-критерий) (эксперт (эксперты-эксперты))		В.В. Шалашина	

11. TEST & MEASURING EQUIPMENT

검사설비 목록 I.M.T.E CONTROL LIST					
NO. 순서	EQUIP. NAME 계측기명	SIZE / MODEL 규격			
1	Dial Pressure Gauge	0 ~ 0.4 MPa(4")			
2	Dial Pressure Gauge	0 ~ 1.0 MPa			
3	Dial Pressure Gauge	0 ~ 1.0 MPa(4")			
4	Dial Pressure Gauge	0 ~ 1.6 MPa(4")			
5	Dial Pressure Gauge	0 ~ 1.6 MPa			
6	Dial Pressure Gauge	0 ~ 2.5 MPa			
7	Dial Pressure Gauge	0 ~ 2.5 MPa(4")			
8	Dial Pressure Gauge	0 ~ 4.0 MPa			
9	Dial Pressure Gauge	0 ~ 4.0 MPa(4")			
10	Dial Pressure Gauge	0 ~ 6.0 MPa(4")			
11	Dial Pressure Gauge	0 ~ 10 MPa			
12	Dial Pressure Gauge	0 ~ 10 MPa(4")			
13	Dial Pressure Gauge	0 ~ 16 MPa			
14	Dial Pressure Gauge	0 ~ 16 MPa(4")			
15	Dial Pressure Gauge	0 ~ 25 MPa			
16	Dial Pressure Gauge	0 ~ 25 MPa(4")			
17	Dial Pressure Gauge	0 ~ 60 MPa			
18	Dial Pressure Gauge	0 ~ 60 MPa(4")			
19	Cylinder/ Dial gauges	10 ~ 18.5 mm			
20	Vernier Calipers	0 ~ 300 mm			
21	Vernier Calipers	0 ~ 600 mm			
22	Vernier Calipers	0 ~ 1500 mm			
23	Digital Calipers	0 ~ 150 mm			
24	Digital Calipers	0 ~ 300 mm			
25	Inside Micrometer	5 ~ 30 mm			
26	Outside Micrometer	0 ~ 25 mm			
27	Outside Micrometer	25 ~ 50 mm			
28	Outside Micrometer (Use Type)	0 ~ 25 mm			

검사설비 목록 I.M.T.E CONTROL LIST					
NO. 순서	EQUIP. NAME 계측기명	SIZE / MODEL 규격			
29	Depth Gauge	0 ~ 150 mm			
30	Precision Squares	1000X550			
31	Squares	600 X 500 mm			
32	Coating Thickness Tester	0 ~ 1600µm			
33	Welding Gauge	0 ~ 20 mm			
34	Digital temperature	-			
35	TEST INDICATOR	0 ~ 0.8 mm			
36	Ultrasonic Thk Gauge	0.75 ~ 300mm			
37	Standard tape rules	0 ~ 7.5 m			
38	Vibration analyzer	-			
39	DIGITAL CLAMP METER	-			
40	PUNCTURE TESTER	0.1 ~ 5kV			
41	Bimetal Thermometer	0 ~ 100 °C			
42	INFRARED THERMOMETER	-18°C ~ 1350°C			
43	INFRARED THERMOMETER	-18°C ~ 1350°C			
44	WATER METER	15mm			
45	Thread pitch gage	52 Pts			
46	Temperature indicating controller	-			
47	ELECTRIC BALANCE	5 ton			
48	DIGITAL MEGOHMMETER	-			
49	DIGITAL MAGNET LEVEL	90° (250)			
50	DIGITAL MAGNET LEVEL	90° (400)			
51	HARDNESS TESTER	D type			
52	STOPWATCH	-			
53	PLATE LEVEL	200mm(0.02mm)			
54	Ultrasonic Thk Gauge	2 ~ 225 mm			
55	DIGITAL CLAMP METER	AC/DC			
56	Dead Weight Tester	0.2~25 MPa			

용접설비 목록					
Welding Machine List					
NO. 순서	EQUIP. NAME 계 측 기 명	SIZE / MODEL 규 격	SERIAL NO. 고유번호	MFG. 제작회사	TYPE
1	DC Ammeter	M-50	DSC-W2-A	MEC	FCAW
	DC Voltmeter	M-50	DSC-W2-V	MEC	
2	DC Ammeter	M-68	DSC-W18-A	MEC	FCAW
	DC Voltmeter	M-68	DSC-W18-V	MEC	
3	DC Ammeter	DUTY-500D	DSC-W1-A	PRO-TECH	GTAW
4	DC Ammeter	DUTY-500D	DSC-W16-A	PRO-TECH	GTAW
5	DC Ammeter	DUTY-500D	DSC-W20-A	PRO-TECH	GTAW
6	DC Ammeter	DUTY-500D	DSC-W21-A	PRO-TECH	GTAW
7	DC Ammeter	DUTY-500D	DSC-W25-A	PRO-TECH	GTAW
8	DC Ammeter	DUTY-500D	DSC-W28-A	PRO-TECH	GTAW
9	DC Ammeter	TRM-60	DSC-W17-A	KUWANO	GTAW
10	DC Voltmeter	D-70	DSC-W17-V	DBE	GTAW
11	DC Voltmeter	TRM-60	DSC-W13-V	KUWANO	GTAW
	DC Ammeter	TRM-60	DSC-W13-A	KUWANO	
12	DC Voltmeter	MICRP-352XD	DSCW-16	PRO-TECH	GTAW
13	DC Voltmeter	MICRP-352XD	DSC-W-99-A	PRO-TECH	GTAW
14	DC Ammeter	M-68	DSC-W19-A	MEC	FCAW
	DC Voltmeter	M-68	DSC-19-V	MEC	
				Welding Machine TOTAL Q'TY : 14	
				Sets	

12. EXPERIENCE LIST

Experience List (for Inter/ After Cooler for Compressor)

JOB No	END USER	CONTRACTOR	PROJECT Name / ITEM Name	LOCATION	ITEM	Q'TY	DELIVERY
2006	STANDARD MODEL FOR COMPRESSOR	HANWHA (SAMSUNG) TECHWIN	26 PROJECT / INTER, AFTER COOLER (STANDARD TYPE)	TOTAL	26	42 UNIT	2006
2007	STANDARD MODEL FOR COMPRESSOR	HANWHA (SAMSUNG) TECHWIN	138 PROJECT / INTER, AFTER COOLER (STANDARD TYPE)	TOTAL	138	247 UNIT	2007
2008	STANDARD MODEL FOR COMPRESSOR	HANWHA (SAMSUNG) TECHWIN	193 PROJECT / INTER, AFTER COOLER (STANDARD TYPE)	TOTAL	193	285 UNIT	2008
2009	STANDARD MODEL FOR COMPRESSOR	HANWHA (SAMSUNG) TECHWIN	59 PROJECT / INTER, AFTER COOLER (STANDARD TYPE)	TOTAL	59	120 UNIT	2009
2010	STANDARD MODEL FOR COMPRESSOR	HANWHA (SAMSUNG) TECHWIN	59 PROJECT / INTER, AFTER COOLER (STANDARD TYPE)	TOTAL	100	160 UNIT	2010
2011	STANDARD MODEL FOR COMPRESSOR	HANWHA (SAMSUNG) TECHWIN	INTER, AFTER COOLER (STANDARD TYPE)	ALL ITEMS	ALL	200 UNIT	2011
2011-1	LINDE	HANWHA (SAMSUNG) TECHWIN	KARRATHA / INTER COOLER BUNDLE WITH SHELL	AUSTRALIA	4	1 UNIT	2011
2011-2	COSMODYNE	HANWHA (SAMSUNG) TECHWIN	COSMODYNE RAC / INTER COOLER BUNDLE WITH SHELL	USA	2	1 UNIT	2011
2011-3	SK INNOVATION	HANWHA (SAMSUNG) TECHWIN	SK INNOVATION / INTER COOLER BUNDLE WITH SHELL	KOREA	3	1 UNIT	2011
2011-4	KISLORODMASH-BNC	HANWHA (SAMSUNG) TECHWIN	KISLORODMASH / INTER COOLER BUNDLE WITH SHELL	RUSSIA	2	2 UNIT	2011
2011-5	HITACHI PLANT TECHNOLOGIES	RUN TECH	INTER COOLER	JAPAN	1	2 UNIT	2011
2011-6	HITACHI PLANT TECHNOLOGIES	RUN TECH	INTER COOLER	JAPAN	1	2 UNIT	2011
2011-7	HITACHI PLANT TECHNOLOGIES	RUN TECH	INTER COOLER	JAPAN	5	10 UNIT	2011
2011-8	LINDE KOREA	LINDE KOREA	INTER COOLER	KOREA	1	3 UNIT	2011
2012	STANDARD MODEL FOR COMPRESSOR	HANWHA (SAMSUNG) TECHWIN	INTER, AFTER COOLER (STANDARD TYPE)	ALL ITEMS	ALL	150 UNIT	2012
2012-1	KISLORODMASH-BAC	HANWHA (SAMSUNG) TECHWIN	KISLORODMASH / INTER COOLER BUNDLE WITH SHELL	RUSSIA	3	6 UNIT	2012
2012-2	WEST QURNA	HANWHA (SAMSUNG) TECHWIN	WEST QURNA / INTER COOLER BUNDLE WITH SHELL	IRAQ	3	2 UNIT	2012
2012-3	HYOSUNG CORPORATION	HYOSUNG CORPORATION	INTER COOLER	KOREA	1	2 UNIT	2012
2012-4	LINDE KOREA	LINDE KOREA	1'ST & 2'ND INTER COOLER	KOREA	1	3 UNIT	2012
2012-5	HITACHI PLANT TECHNOLOGIES	RUN TECH	INTER COOLER	JAPAN	1	3 UNIT	2012
2012-6	HONAM PETROCHEM ICAL	HONAM PETROCHEM ICAL	C-1301 INTER COOLER	KOREA	1	1 UNIT	2012
2012-7	HITACHI PLANT TECHNOLOGIES	RUN TECH	INTER COOLER	JAPAN	1	3 UNIT	2012
2013	STANDARD MODEL FOR COMPRESSOR	HANWHA (SAMSUNG) TECHWIN	INTER, AFTER COOLER (STANDARD TYPE)	ALL ITEMS	ALL	218 UNIT	2013
2013-1	HITACHI PLANT TECHNOLOGIES	RUN TECH	EH20 / INTER, AFTER COOLER	JAPAN	1	2 UNIT	2013
2013-2	HITACHI PLANT TECHNOLOGIES	RUN TECH	HITURBO-10000 / INTER, AFTER COOLER	JAPAN	1	3 UNIT	2013
2013-3	HITACHI PLANT TECHNOLOGIES	RUN TECH	EH31 / INTER, AFTER COOLER	JAPAN	1	2 UNIT	2013
2013-4	SKEC	HANWHA (SAMSUNG) TECHWIN	SK NEXLENE / INTER COOLER BUNDLE WITH SHELL	KOREA	3	3 UNIT	2013
2013-5	BOC TATA STEEL	HANWHA (SAMSUNG) TECHWIN	BOC TATA STEEL / AFTER COOLER BUNDLE WITH SHELL	INDIA	1	1 UNIT	2013
2013-6	KOREA EAST-WEST POWER	HANWHA (SAMSUNG) TECHWIN	DANGJIN / INTER COOLER BUNDLE WITH SHELL (KESCO)	KOREA	3	4 UNIT	2013
2013-7	SAMSUNG TECHWIN	HANWHA (SAMSUNG) TECHWIN	DMKD / INTER COOLER BUNDLE WITH SHELL	UZBEKISTAN	1	2 UNIT	2013
2013-8	SAMSUNG TECHWIN	HANWHA (SAMSUNG) TECHWIN	FORTUNE / INTER COOLER BUNDLE WITH SHELL	RUSSIA	2	2 UNIT	2013
2013-9	COSMODYNE	HANWHA (SAMSUNG) TECHWIN	COSMODYNE RNC / INTER COOLER BUNDLE WITH SHELL	USA	3	2 UNIT	2013
2013-10	CRYOGENMASH	HANWHA (SAMSUNG) TECHWIN	UORA BAC / I.C BUNDLE WITH SHELL (ASME U-STAMP)	RUSSIA	3	1 UNIT	2014
2013-11	KEPCO	SUNGSAN	DANGJIN / TRANSFORMER OIL COOLER	KOREA	1	1 UNIT	2013

Experience List (for Inter/ After Cooler for Compressor)

JOB No	END USER	CONTRACTOR	PROJECT Name / ITEM Name	LOCATION	ITEM	Q'TY	DELIVERY
2014	STANDARD MODEL FOR COMPRESSOR	HANWHA (SAMSUNG) TECHWIN	INTER, AFTER COOLER (STANDARD TYPE)	ALL ITEMS	ALL	121 UNIT	2014
2014-1	HITACHI PLANT TECHNOLOGIES	RUN TECH	HITURBO-16000 / INTER, AFTER COOLER	JAPAN	1	3 UNIT	2014
2014-2	SIAD LITHUANIA	HANWHA (SAMSUNG) TECHWIN	LITHUANIA / PRE COOLER WITH SHELL (PED-CE Mark)	RUSSIA	1	1 UNIT	2014
2014-3	GS DONGHAEE ELECTRIC POWER	HANWHA (SAMSUNG) TECHWIN	BUKPYEONG / INTER COOLER BUNDLE WITH SHELL	KOREA	1	3 UNIT	2014
2014-4	KOREA WESTERN POWER	HANWHA (SAMSUNG) TECHWIN	TAEAN #8
 / INTER COOLER BUNDLE WITH SHELL	KOREA	1	2 UNIT	2014
2014-5	EGYPT ERC	HANWHA (SAMSUNG) TECHWIN	EGYPT ERC / INTER COOLER BUNDLE WITH SHELL	EGYPT	1	2 UNIT	2014
2014-6	KOLON INDUSTRIES	KOLON / GIMCHEON FACTORY	7K TURBO COMP #6 & #7 / INTER COOLER	KOREA	2	2 UNIT	2014
2014-7	K K MULSAN	K K MULSAN	Tx-M TURBO COMPRESSOR / AIR COOLER	JAPAN	1	1 UNIT	2014
2014-8	ABU DHABI MARINE OPERATING COMPANY	HANWHA (SAMSUNG) TECHWIN	SARB IA / INTER COOLER	UAE	1	3 UNIT	2014
2015	STANDARD MODEL FOR COMPRESSOR	HANWHA POWER SYSTEM	INTER, AFTER COOLER (STANDARD TYPE)	ALL ITEMS	ALL	204 UNIT	2015
2015	STANDARD MODEL FOR COMPRESSOR	HYUNDAI HEAVY INDUSTRIES	INTER, AFTER COOLER (STANDARD TYPE)	ALL ITEMS	ALL	8 UNIT	2016
2015-1	HITACHI PLANT TECHNOLOGIES	RUN TECH	EH42 / INTER, AFTER COOLER	JAPAN	2	2 UNIT	2015
2015-2	HITACHI PLANT TECHNOLOGIES	RUN TECH	EH31 / INTER, AFTER COOLER	JAPAN	2	2 UNIT	2015
2015-3	HITACHI PLANT TECHNOLOGIES	RUN TECH	EH20 / INTER, AFTER COOLER	JAPAN	1	2 UNIT	2015
2015-4	AIR LIQUIDE/BAKU STEEL	HANWHA POWER SYSTEM	AZERBAIJAN / AFTER COOLER	AZERBAIJAN	1	2 UNIT	2015
2015-5	IRAN HORMOZGAN STEEL	HANWHA POWER SYSTEM	IRAN HORMOZGAN MAC / INTER, AFTER COOLER	IRAN	4	1 UNIT	2015
2015-6	IRAN HORMOZGAN STEEL	HANWHA POWER SYSTEM	IRAN HORMOZGAN BAC / INTER, AFTER COOLER	IRAN	2	1 UNIT	2015
2015-7	INOTERA	AIR LIQUIDE	ALFE INOTERA / AFTER COOLER	TAIWAN	1	1 UNIT	2015
2015-8	SK E&C	HANWHA POWER SYSTEM	GUNSAN GE3 / AFTER COOLER	KOREA	1	1 UNIT	2015
2015-9	SIAD	HANWHA POWER SYSTEM	SIAD N2 / AFTER COOLER	ITALY	1	1 UNIT	2015
2015-10	STAR REFINERY A.S.	HANWHA POWER SYSTEM	AEGEAN REFINERY PROJECT (ARP) / INTER COOLER	U.S.A	1	6 UNIT	2015
2015-11	STATE COMPANY FOR OIL PROJECT (SCOP)	HANWHA POWER SYSTEM	KARBALA REFINERY FEED / INTER, AFTER COOLER	IRAQ	3	3 UNIT	2016
2015-12	KUWAIT NATIONAL PETROLEUM COMPANY	HANWHA POWER SYSTEM	KNPC MMA IA / INTER, AFTER COOLER	KUWAIT	3	2 UNIT	2016
2015-13	KOREA DISTRICT HEATING CORP.	HANWHA POWER SYSTEM	HWASUNG DONGTAN2 FGC / AFTER COOLER	KOREA	1	3 UNIT	2016
2015-14	JFE STEEL CORPORATION	IHI	3051-073(F95A3S-13300 KW) / AFTER COOLER	JAPAN	3	1 UNIT	2016
2015-15	POSCO E&C	HYUNDAI HEAVY INDUSTRIES	CHUNCHEON CHP / AFTER COOLER	KOREA	1	2 UNIT	2016
2015-16	PRAXAIR	HANWHA POWER SYSTEM	PRAXAIR - PRENTISS / INTER, AFTER COOLER	CANADA	2	2 UNIT	2016
2015-17	HANWHA POWER SYSTEM	HANWHA POWER SYSTEM	SM4000 MEISAIR / AFTER COOLER	KOREA	1	1 UNIT	2016
2015-18	DAELIM IND.	HANWHA POWER SYSTEM	DAELIM PB2 REVAMPING / RECYCLE COOLER	KOREA	2	1 UNIT	2016
2016	STANDARD MODEL FOR COMPRESSOR	HANWHA POWER SYSTEM	INTER, AFTER COOLER (STANDARD TYPE)	ALL ITEMS	ALL	188 UNIT	2016
2016	STANDARD MODEL FOR COMPRESSOR	HYUNDAI HEAVY INDUSTRIES	INTER, AFTER COOLER (STANDARD TYPE)	ALL ITEMS	ALL	22 UNIT	2016
2016	STANDARD MODEL FOR COMPRESSOR	SEAH ENGINEERING	INTER, AFTER COOLER (STANDARD TYPE)	ALL ITEMS	ALL	43 UNIT	2016
2016-1	SOXAL	AIR LIQUIDE	SSMC CIP / AFTER COOLER	SINGAPORE	2	1 UNIT	2016
2016-2	LINDE VOGAR	HANWHA POWER SYSTEM	LINDE VOGAR / AFTER COOLER	ISLAND	1	1 UNIT	2016
2016-3	KOLON INDUSTRIES	KOLON / GIMCHEON FACTORY	7K TURBO COMPRESSOR #6 / INTER COOLER	KOREA	2	1 UNIT	2016

Experience List (for Inter/ After Cooler for Compressor)

JOB No	END USER	CONTRACTOR	PROJECT Name / ITEM Name	LOCATION	ITEM	Q'TY	DELIVERY
2016-4	TRISONIC	HANWHA POWER SYSTEM	TRISONIC / INTER, AFTER COOLER	CANADA	3	3 UNIT	2016
2016-5	SK E&C	HANWHA POWER SYSTEM	GUNSAN GE3 / AFTER COOLER	KOREA	1	1 UNIT	2016
2016-6	SEAH ENGINEERING		ST450L2 / INTER, AFTER COOLER	KOREA	2	1 UNIT	2016
2016-7	LINDE ISKENDERUN	HANWHA POWER SYSTEM	ISKENDERUN / AFTER COOLER	TURKEY	1	1 UNIT	2016
2016-8	POLARIS	HANWHA POWER SYSTEM	POLARIS / AFTER COOLER	ITALY	1	1 UNIT	2016
2016-9	S-OIL	HANWHA POWER SYSTEM	S-OIL OXIDATION / INTER, AFTER COOLER	KOREA	3	2 UNIT	2017
2016-10	S-OIL	HANWHA POWER SYSTEM	S-OIL PACKAGE #1 / INTER, AFTER COOLER	KOREA	3	3 UNIT	2017
2016-11	S-OIL	HANWHA POWER SYSTEM	S-OIL PACKAGE #2 / INTER, AFTER COOLER	KOREA	3	1 UNIT	2017
2016-12	S-OIL	HANWHA POWER SYSTEM	S-OIL PACKAGE #3 / INTER, AFTER COOLER	KOREA	3	3 UNIT	2017
2016-13	D.S.M.E	HANWHA POWER SYSTEM	DSME H. 2462 / AFTER COOLER	KOREA	1	1 UNIT	2017
2016-14	LINDE LIENHWA UIGC	HANWHA POWER SYSTEM	LINDE LIENHWA / AFTER COOLER	TAIWAN	3	1 UNIT	2017
2017-1	POSCO	HANWHA POWER SYSTEM	POSCO GWANGYANG / AFTER COOLER	KOREA	1	1 UNIT	2017
2017-2	HYDROSTOR	HANWHA POWER SYSTEM	HYDROSTOR / INTER COOLER	CANADA	1	1 UNIT	2017
2017-3	SEVERSTAL	HANWHA POWER SYSTEM	RU SEVERSTAL / INTER, AFTER COOLER	RUSSIA	3	9 UNIT	2017
2017-4	M-TIS		MTS1250 / INTER, AFTER COOLER	KOREA	2	2 UNIT	2017
2017-5	KIMM	DJMCL	KIMM / Air Cooler	KOREA	1	1 SET	2017
2017-6	GENEQ		WA-S650S / INTER COOLER	KOREA	1	1 UNIT	2017
2017-7	SIAD	HANWHA POWER SYSTEM	LINDE SIAD / INTER, AFTER COOLER	ALGERIA	1	1 UNIT	2017
2017-8	GLENMONT		GLENMONT / AFTER COOLER	U.S.A	1	1 UNIT	2017
2017-9	CALSPAN		US CALSPAN / AFTER COOLER	U.S.A	1	1 UNIT	2017
2017-10	M-TIS		MTS2250 / INTER, AFTER COOLER	KOREA	2	2 UNIT	2017
2017-11	ARAMCO	HANWHA POWER SYSTEM	EDRF / INTER, AFTER COOLER	SAUDI ARABIA	3	9 UNIT	2018
2017-12	VOORHEESVILLE	HANWHA POWER SYSTEM	KIPIC AL-ZOUR LNG/AZRP / OIL COOLER	KUWAIT	3	6 UNIT	2018
2017-13	SERBIA	ATLAS COPCO - AMERICA	SERBIA (T.4000*1009) / INTER, AFTER COOLER	SERBIA	1	4 UNIT	2018
2017-14	KAZANORGİNTEZ	HANWHA POWER SYSTEM	RU KAZANORGİNTEZ #01 / INTER, AFTER COOLER	RUSSIA	4	4 UNIT	2018
2017-15	SHI INTERNATIONAL	HANWHA POWER SYSTEM	SHIMOZAMBIQUE ENI / INTER, AFTER COOLER	MOZAMBIQUE	3	9 UNIT	2018
2017-16	VOORHEESVILLE	ATLAS COPCO - AMERICA	VOORHEESVILLE / INTER, AFTER COOLER	U.S.A	3	6 UNIT	2018
2017-17	SONY	AIR LIQUIDE-J	SONY KUMAMOTO NO.3 / AFTER COOLER	JAPAN	1	1 UNIT	2018
2018-1	FARABI	HANWHA POWER SYSTEM	FARABI / INTER, AFTER COOLER	IRAN	3	6 UNIT	2018
2018-2	SAUDI ARAMCO	HANWHA POWER SYSTEM	SIAD ARAMCO / AFTER COOLER	SAUDI ARABIA	1	2 UNIT	2018
2018-3	M-TIS		MTS1250 / INTER, AFTER COOLER	KOREA	2	2 UNIT	2018
2018-4	LINDE GIHEUNG	HANWHA POWER SYSTEM	LINDE GIHEUNG / INTER, AFTER COOLER	KOREA	4	16 UNIT	2018
2018-5	BRASKEM	HANWHA POWER SYSTEM	BRASKEM / INTER, AFTER COOLER	BRAZIL	1	1 UNIT	2018
2018-6	LINDE LIHWA	HANWHA POWER SYSTEM	LINDE LIHWA / INTER, AFTER COOLER	TAIWAN	3	6 UNIT	2018
2018-7	TNSC	IHI ROTATING MACHINERY	3051133 TNS / INTER, AFTER COOLER	IRAN	3	9 UNIT	2018

Experience List (for Inter/ After Cooler for Compressor)

JOB No	END USER	CONTRACTOR	PROJECT Name / ITEM Name	LOCATION	ITEM	Q'TY	DELIVERY
2018-8	SHIN ETSU	KOBE STEEL, LTD.	SSP-3 PLAQUEMINE CA PLANT / INTER, AFTER COOLER	USA	3	9 UNIT	2018
2018-9	TAKHIATASH POWER PLANT	HANWHA POWER SYSTEM	TAKHIATASHI / INTER COOLER	TAKHIATASH	1	3 UNIT	2018
2018-10	AMK	ATLAS COPCO - AMERICA	ALE AMK 02 / INTER, AFTER COOLER	GERMANY	4	8 UNIT	2018
2018-11	THAILAND PETROCHEMICAL PLANT	KOBE STEEL, LTD.	SECL PTTGC(VG993) / INTER, AFTER COOLER	THAILAND	3	3 UNIT	2018
2018-12	THAILAND PETROCHEMICAL PLANT	KOBE STEEL, LTD.	SECL PTTGC(VG993) / INTER, AFTER COOLER	THAILAND	3	3 UNIT	2018
2018-13	AMUR GAS PROCESSING PLANT	HANWHA POWER SYSTEM	TECNIMONT AGPP SINERGIA / INTER COOLER	RUSSIA	4	6 UNIT	2018
2018-14	AMUR GAS PROCESSING PLANT	HANWHA POWER SYSTEM	TECNIMONT AGPP SIAD / INTER COOLER	RUSSIA	2	6 UNIT	2018
2018-15	AIR LIQUIDE	KOBE STEEL, LTD.	17-00714 YEOSU 4 / INTER, AFTER COOLER	JAPAN	6	6 UNIT	2018
2018-16	CRYOGENWASH	HANWHA POWER SYSTEM	S_RU CRYOGENWASH ZHELEZNOGORSK / AFTER COOLER	RUSSIA	1	1 UNIT	2018
2018-17	PETRONA	HANWHA POWER SYSTEM	HEC MELAKA EURO5 / INTER, AFTER COOLER	MALAYSIA	2	3 UNIT	2018
2018-18	LINDE SEOSAN	HANWHA POWER SYSTEM	PA LINDE SEOSAN / AFTER COOLER	KOREA	1	2 UNIT	2018
2018-19	MARAN GAS MARITIME	ATLAS COPCO - AMERICA	DSME 2477 (T.1147,49) / INTER, AFTER COOLER	GREECE	2	3 UNIT	2018
2018-20	MARAN GAS MARITIME	ATLAS COPCO - AMERICA	DSME 2477 (T.1147,49) / INTER, AFTER COOLER	GREECE	2	3 UNIT	2019
2018-21	TATNEFT	HANWHA POWER SYSTEM	TATNEFT NIZHNEKAMSK / AFTER COOLER	RUSSIA	1	2 UNIT	2018
2018-22	BIDBOLAND GAS PLANT	HANWHA POWER SYSTEM	BIDBOLAND / AFTER COOLER	IRAN	1	3 UNIT	2018
2018-23	PRAXAIR	HANWHA POWER SYSTEM	PRAXAIR/PIYEONGTAEK / INTER, AFTER COOLER	KOREA	4	4 UNIT	2019
2018-24	PRAXAIR	HANWHA POWER SYSTEM	PRAXAIR/PIYEONGTAEK / INTER, AFTER COOLER	KOREA	3	3 UNIT	2019
2018-25	VOORHEESVILLE	ATLAS COPCO - AMERICA	T.1158/MEXICO / INTER COOLER	MEXICO	2	2 UNIT	2019
2018-26	-	IHI ROTATING MACHINERY	3051-0138/KOREA / INTER, AFTER COOLER	KOREA	4	4 UNIT	2019
2018-27	-	IHI ROTATING MACHINERY	30510141/JAPAN / INTER, AFTER COOLER	JAPAN	3	3 UNIT	2019
2018-28	-	IHI ROTATING MACHINERY	TLO / INTER, AFTER COOLER	JAPAN	2	2 UNIT	2019
2018-29	YEOSU PLANT	HANWHA POWER SYSTEM	ALK YEOSU Y4 NG BOOSTER / INTER, AFTER COOLER	KOREA	2	2 UNIT	2019
2018-30	SINSEOCHEON THERMAL POWER PLANT	HHI-TMC	SINSEOCHEON / INTER, AFTER COOLER	KOREA	3	12 UNIT	2019
2018-31	THAILAND PETROCHEMICAL PLANT	HANWHA POWER SYSTEM	THAILAND / AFTER COOLER	THAILAND	1	1 UNIT	2019
2018-32	LINDE SEOSAN	HANWHA POWER SYSTEM	PA LINDE SEOSAN / AFTER COOLER	KOREA	1	1 UNIT	2018
2018-33	TNSC	IHI ROTATING MACHINERY	3051142/TNS / INTER, AFTER COOLER	IRAN	5	5 UNIT	2019
2018-34	TNSC	IHI ROTATING MACHINERY	3051-144/TNSC / INTER, AFTER COOLER	IRAN	4	4 UNIT	2019
2018-35	-	IHI ROTATING MACHINERY	3051-143/KOREA / INTER, AFTER COOLER	KOREA	4	4 UNIT	2019
2018-36	-	IHI ROTATING MACHINERY	3051145_ KOREA / INTER, AFTER COOLER	KOREA	4	8 UNIT	2019
2018-37	PRAXAIR	HANWHA POWER SYSTEM	PRAXAIR/YONGIN(EN3000) / INTER, AFTER COOLER	KOREA	3	3 UNIT	2019
2018-38	LINDE SEOSAN	HANWHA POWER SYSTEM	PA LINDE SEOSAN / AFTER COOLER	KOREA	1	3 UNIT	2019
2018-39	PRAXAIR	HANWHA POWER SYSTEM	PRAXAIR/YONGIN / INTER, AFTER COOLER	KOREA	4	4 UNIT	2019
2018-40	NEFTECHEMSERVICE	HANWHA POWER SYSTEM	YASKY / AFTER COOLER	RUSSIA	1	1 UNIT	2019
2019-01	ARAMCO	HANWHA POWER SYSTEM	HAWIYAH GAS PLANT EXPANSION / INTER, AFTER COOLER	SAUDI ARABIA	2	12 UNIT	2019
2019-02	SUMIKIN	IHI ROTATING MACHINERY	3004Y43 / SUMIKIN / INTER, AFTER COOLER	JAPAN	2	2 UNIT	2019

Experience List (for Inter/ After Cooler for Compressor)

JOB No	END USER	CONTRACTOR	PROJECT Name / ITEM Name	LOCATION	ITEM	Q'TY	DELIVERY
2019-03	-	IHI ROTATING MACHINERY	3051-X05(F) / JAPAN / INTER, AFTER COOLER	JAPAN	3	3 UNIT	2019
2019-04	-	IHI ROTATING MACHINERY	3051-154 / NAGOYA / INTER, AFTER COOLER	JAPAN	3	3 UNIT	2019
2019-05	HANSOL PAPER	MTIS	HANSOL PAPER / AFTER COOLER	KOREA	1	1 UNIT	2019
2019-06	MESSER	HANWHA POWER SYSTEM	MESSER / AFTER COOLER	-	1	1 UNIT	2019
2019-07	HANWHA GENERAL CHEMICAL	HANWHA POWER SYSTEM	HANWHA GENERAL CHEMICAL / INTER, AFTER COOLER	KOREA	3	1 UNIT	2019
2019-08	ARAMCO	HANWHA POWER SYSTEM	ARAMCO-SHEDGUM / INTER, AFTER COOLER	SAUDI ARABIA	3	1 UNIT	2019
2019-09	BAHRAIN PERTROLEUM COMPANY	HANWHA POWER SYSTEM	BAPCO - M.A.C / INTER, AFTER COOLER	BAHRAIN	3	2 UNIT	2019
2019-10	LINDE	HANWHA POWER SYSTEM	LINDE - KEDAINIAI / AFTER COOLER	LITHUANIA	1	1 UNIT	2019
2019-11	PT. KRAKATAU SAMATOR	HANWHA POWER SYSTEM	KRAKATAU SAMATOR / AFTER COOLER	INDONESIA	1	1 UNIT	2019
2019-12	AP KINGSPORT	ATLAS COPCO - GERMANY	AP - KINGSPOT(B.A.C) / INTER, AFTER COOLER	U.S.A	5	2 UNIT	2019
2019-13	AP KINGSPORT	ATLAS COPCO - GERMANY	AP - KINGSPOT(M.A.C) / INTER COOLER	U.S.A	2	2 UNIT	2019
2019-14	DAICEL	KOBE STEEL, LTD.	SAC DAICEL / INTER, AFTER COOLER	JAPAN	3	1 UNIT	2019
2019-15	BAHRAIN PERTROLEUM COMPANY	HANWHA POWER SYSTEM	BAPCO IA / INTER, AFTER COOLER	BAHRAIN	4	4 UNITS	2019
2019-16	NIZHNEKAMSKNEFTEKHIM	HANWHA POWER SYSTEM	LINDE Nizhnekamsk / INTER COOLER	RUSSIA	2	1 UNIT	2020
2019-17	BAHRAIN PERTROLEUM COMPANY	HANWHA POWER SYSTEM	BAPCO M.A.C / INTER COOLER	BAHRAIN	2	2 UNITS	2020
2019-18	PETROFUTURE RNC	HANWHA POWER SYSTEM	HK/PETROFUTURE RNC / INTER COOLER	CHINA	1	2 UNITS	2020
2019-19	SK ENGERY	HANWHA POWER SYSTEM	S PROJECT / INTER, AFTER COOLER	KOREA	2	2 UNITS	2020
2019-20	TOYO INKGCC	HANWHA POWER SYSTEM	IPP 650 KTA Ethylene Plant / INTER COOLER	RUSSIA	2	1 UNIT	2020
2019-21	-	IHI ROTATING MACHINERY	3051-162 - TNS(SINGAPORE) / INTER, AFTER COOLER	SINGAPORE	2	1 UNIT	2020
2019-22	DAICEL	KOBE STEEL, LTD.	LINDE DAICEL / INTER COOLER	JAPAN	2	1 UNIT	2020
2019-23	-	IHI ROTATING MACHINERY	3051-163 / SINGAPORE / INTER, AFTER COOLER	SINGAPORE	4	1 UNIT	2020
2019-24	GS CALTEX	HANWHA POWER SYSTEM	GS CALTEX / INTER, AFTER COOLER	KOREA	5	4 UNITS	2020
2019-25	APCI	HANWHA POWER SYSTEM	APCI PROJECT / AFTER COOLER	-	1	1 UNIT	2020
2019-26	VNIEF	HANWHA POWER SYSTEM	RU VNIEF / AFTER COOLER	RUSSIA	2	1 UNIT	2020
2019-27	-	ATLAS COPCO - GERMANY	TWIN CITIES PROJECT / INTER COOLER	U.S.A	4	1 UNIT	2020
2019-28	AMUR GAS PROCESSING PLANT	HANWHA POWER SYSTEM	SIAD- NORWAY / INTER, AFTER COOLER	NORWAY	3	1 UNIT	2020
2019-29	LUK	HANWHA POWER SYSTEM	LUK OIL BEARING PJT / INTER, AFTER COOLER	IRAQ	3	2 UNITS	2020
2019-30	SK HYNIX	IHI ROTATING MACHINERY	3051-170 / SK HYNIX / INTER, AFTER COOLER	KOREA	9	1 UNIT	2020
2019-31	ATLAS COPCO	ATLAS COPCO - AMERICA	T. 1275 / AFTER COOLER	U.S.A	1	1 UNIT	2020
2019-32	UIG STEEL	HANWHA POWER SYSTEM	US UIG STEEL / AFTER COOLER	U.S.A	1	1 UNIT	2020
2019-33	NUCOR STEEL GALLATIN	HANWHA POWER SYSTEM	UIG NUCOR GALLATIN / AFTER COOLER	U.S.A	1	2 UNITS	2020
2019-34	-	IHI ROTATING MACHINERY	3054-227 / NO.2 INTER COOLER	JAPAN	1	1 UNIT	2020
2019-35	ALNG	HANWHA POWER SYSTEM	TECHNIP ARCTIC LNG2 / INTER COOLER	RUSSIA	5	6 UNITS	2020
2019-36	-	IHI ROTATING MACHINERY	3051-169 TAIWAN / INTER, AFTER COOLER	TAIWAN	3	1 UNIT	2020
2019-37	NUCOR STEEL GALLATIN	ATLAS COPCO - AMERICA	NUCOR GALLATIN KY / INTER, AFTER COOLER	U.S.A	3	2 UNITS	2020

Experience List (for Inter/ After Cooler for Compressor)

JOB No	END USER	CONTRACTOR	PROJECT Name / ITEM Name	LOCATION	ITEM	Q'TY	DELIVERY
2019-38	GANGREUNG ECO POWER	HHI-TMC	GANGREUNG / INTER, AFTER COOLER	KOREA	2	6 UNITS	2020
2019-39	-	IHI ROTATING MACHINERY	3051-174-7 / AL KAOK / INTER, AFTER COOLER	JAPAN	11	1 UNIT	2020
2019-40	NIPPON STEEL	KOBE STEEL, LTD.	NIPPON STEEL / INTER, AFTER COOLER	JAPAN	2	1 UNIT	2020
2019-41	SIBUR	HANWHA POWER SYSTEM	RU SIBUR PJT / AFTER, RECYCLE COOLER	RUSSIA	2	1 UNIT	2020
2019-42	DAESUNG INDUSTRIAL GASES	IHI ROTATING MACHINERY	3051-178/DIG(164A3) / INTER COOLER	KOREA	2	1 UNIT	2020
2019-43	JFE STEEL	IHI ROTATING MACHINERY	3051-183 / JFE STEEL PJT / INTER, AFTER COOLER	JAPAN	3	1 UNIT	2020
2019-44	-	AIR LIQUIDE (JAPAN)	NEW KAOK-K PJT / AFTER COOLER	JAPAN	2	1 UNIT	2020
2020-01	ATLAS COPCO	ATLAS COPCO - AMERICA	SHOP TEST / TEST GAS COOLER	U.S.A	1	1 UNIT	2020
2020-02	DAESUNG INDUSTRIAL GASES	IHI ROTATING MACHINERY	3051-179/DIG(GAN) / INTER, AFTER COOLER	KOREA	3	1 UNIT	2020
2020-03	DAESUNG INDUSTRIAL GASES	IHI ROTATING MACHINERY	3051-180 / DIG(BAC) / INTER, AFTER COOLER	KOREA	3	1 UNIT	2020
2020-04	HANWHA CHEMICAL	ATLAS COPCO - GERMANY	LINDE HYCO / INTER, AFTER COOLER	KOREA	4	1 UNIT	2020
2020-05	MMC ILICHA	IHI ROTATING MACHINERY	MMC ILICHA / INTER, AFTER COOLER	UKRAINE	4	1 UNIT	2020
2020-06	VNIEF	HANWHA POWER SYSTEM	VNIEF PJT / AFTER COOLER	RUSSIA	1	1 UNIT	2020
2020-07	AIR FIRST	HANWHA POWER SYSTEM	AIR FIRST DAESAN / INTER, AFTER COOLER	KOREA	6	1 UNIT	2020
2020-08	SK HYNIX	IHI ROTATING MACHINERY	3051-193 / SK HYNIX PJT / INTER, AFTER COOLER	KOREA	2	2 UNITS	2020
2020-09	DSME	HANWHA POWER SYSTEM	DSME PILOT PLANT PJT / INTER, AFTER COOLER	KOREA	3	1 UNIT	2020
2020-10	SAUDI ARAMCO	HANWHA POWER SYSTEM	ARAMCO/MARJAN#12(M.A.C) / INTER, AFTER COOLER	SAUDI ARABIA	3	4 UNITS	2020
2020-11	SASKATCHEWAN BLNC	HANWHA POWER SYSTEM	LINDE/SASKATCHEWAN PJT / INTER, AFTER COOLER	CANADA	4	1 UNIT	2020
2020-12	PETRONAS GAS NAP	HANWHA POWER SYSTEM	PETRONAS NAP / INTER, AFTER COOLER	MALAYSIA	3	4 UNITS	2020
2020-13	PHD POL.SKA	SEAH ENGINEERING	TECHNIP - POLICE PDH FEED / INTER, AFTER COOLER	POLAND	3	3 UNITS	2020
2020-14	SK HYNIX	IHI ROTATING MACHINERY	3051-192 / SK HYNIX PJT / INTER, AFTER COOLER	KOREA	4	1 UNIT	2020
2020-15	RDMP	DAESUNG INDUSTRIAL GASES	INDONESIA - RDMP PROJECT / AFTER COOLER	INDONESIA	1	1 UNIT	2020
2020-16	SK HYNIX	IHI ROTATING MACHINERY	3051-197 / ALEJ SK HYNIX / INTER COOLER	KOREA	3	1 UNIT	2020
2020-17	NUCOR GALLATIN	ATLAS COPCO - AMERICA	T.1324/NUCOR / INTER, AFTER COOLER	U.S.A	3	1 UNIT	2020
2020-18	METINVEST ILYICH	ATLAS COPCO - GERMANY	METINVEST ILYICH / INTER, AFTER COOLER	UKRAINE	4	1 UNIT	2020
2020-19	DANMAR CONSUMERS ENERGY	HANWHA POWER SYSTEM	S US DANMAR CONSUMERS ENERGY / AFTER COOLER	U.S.A	1	2 UNITS	2020
2020-20	-	AMCS	U.S.A PROJECT / AFTER COOLER	U.S.A	3	1 UNIT	2020
2020-21	SK AIRGAS	KOBE STEEL, LTD.	SK AIRGAS / INTER COOLER	KOREA	3	1 UNIT	2020

Experience List (for Shell & Tube Heat Exchanger)

JOB No	END USER	CONTRACTOR	PROJECT Name / ITEM Name	LOCATION	ITEM	Q'TY	DELIVERY
2010-1	KOREA HYDRO & NUCLEAR POWER	DOOSAN	YEHEON / LO COOLER	KOREA	1	2 UNIT	2010
2010-2	KOREA HYDRO & NUCLEAR POWER	DOOSAN	YEHEON / LO COOLER	KOREA	1	2 UNIT	2010
2010-3	KOLON INDUSTRIES	KOLON INDUSTRIES	DEW HEATER	KOREA	1	1 UNIT	2010
2010-4	KOLON INDUSTRIES	KOLON INDUSTRIES	EG CONDENSER	KOREA	1	1 UNIT	2011
2010-5	KOLON INDUSTRIES	KOLON INDUSTRIES	EG COOLER	KOREA	1	1 UNIT	2011
2011-1	NIPPON STEEL CORPORATION	NIPPON STEEL CORPORATION	OIL COOLER	JAPAN	1	1 UNIT	2011
2011-2	KOLON INDUSTRIES	KOLON INDUSTRIES	TOTAL CONDENSER	KOREA	1	1 UNIT	2011
2011-3	KOLON INDUSTRIES	KOLON INDUSTRIES	HTM HEATER	KOREA	1	2 UNIT	2011
2012-1	ABEX	ABEX	OIL COOLER	JAPAN	1	1 UNIT	2012
2012-2	SKEC	SKEC	OIL COOLER	KOREA	1	2 UNIT	2012
2012-3	FUJITA IRON	FUJITA IRON	OIL COOLER	JAPAN	2	1 UNIT	2012
2012-4	KOREA EAST-WEST POWER	SAMSUNG TECHWIN	ULSAN FGC / DUAL OIL COOLER	KOREA	1	3 UNIT	2013
2012-5	KOREA WESTERN POWER	SAMSUNG TECHWIN	PYEONGTAEK FGC / DUAL OIL COOLER	KOREA	1	2 UNIT	2013
2013-1	SKEC	SAMSUNG TECHWIN	SK NEXLENE / OIL COOLER	KOREA	1	3 UNIT	2013
2013-2	SK ENERGY	SK ENERGY	NO.2 FCC REVAMP / OIL COOLER	KOREA	1	2 UNIT	2013
2013-3	BOC TATA STEEL	SAMSUNG TECHWIN	BOC TATA STEEL PJT / OIL COOLER	INDIA	1	1 UNIT	2013
2013-4	KOLON INDUSTRIES	KOLON INDUSTRIES	HTM COOLER	KOREA	1	1 UNIT	2013
2013-5	KOREA EAST-WEST POWER	SAMSUNG TECHWIN	ULSAN FGC / GAS RECYCLE COOLER	KOREA	1	3 UNIT	2014
2013-6	MEDA	SAMSUNG TECHWIN	IREP / DUAL OIL COOLER	INDIA	1	4 UNIT	2014
2013-7	YPFB	SAMSUNG TECHWIN	BOLIVIA YPFB / DUAL OIL COOLER (AEW TYPE)	BOLIVIA	1	1 UNIT	2014
2014-1	ABU DHABI MARINE OPERATING CO.	SAMSUNG TECHWIN	SARB IA / OIL COOLER (AEW TYPE)	UAE	1	3 UNIT	2014
2014-2	SKEC	SAMSUNG TECHWIN	SK ULSAN CLX / OIL COOLER	KOREA	1	1 UNIT	2014
2015-1	DAEJU MACHINERY	DAEJU MACHINERY	CAMERON / OIL COOLER	KOREA	1	1 UNIT	2015
2015-2	DAEJU MACHINERY	DAEJU MACHINERY	KOREA / AIR PRE-HEATER	KOREA	1	1 UNIT	2015
2015-3	STATE COMPANY FOR OIL PJT (SCOP)	SAMSUNG TECHWIN	KARBALA REFINERY FEED / OIL COOLER	IRAQ	1	3 UNIT	2016
2015-4	KUWAIT NATIONAL PETROLEUM CO.	SAMSUNG TECHWIN	KNPC MMA IA / DUAL OIL COOLER	KUWAIT	1	4 UNIT	2016
2015-5	KOREA DISTRICT HEATING CORP.	SAMSUNG TECHWIN	HWASUNG DONGTAN2 FGC / GAS COOLER	KOREA	1	2 UNIT	2016
2015-6	KOREA DISTRICT HEATING CORP.	SAMSUNG TECHWIN	HWASUNG DONGTAN2 FGC / OIL COOLER	KOREA	1	2 UNIT	2016
2015-7	POSCO E&C	HYUNDAI HEAVY INDUSTRIES	CHUNCHEON CHP / RECYCLE COOLER	KOREA	2	4 UNIT	2016
2015-8	POSCO E&C	HYUNDAI HEAVY INDUSTRIES	CHUNCHEON CHP / OIL COOLER	KOREA	2	4 UNIT	2016
2016-1	DAEWOO E&C	ATLAS COPCO - AMERICA	YOUNGNAM CAPP / RECYCLE GAS COOLER	KOREA	2	2 UNIT	2016
2016-2	MITSUBISHI HEAVY INDUSTRIES	MITSUBISHI HEAVY INDUSTRIES	FUEL GAS SUPPLY SYSTEM / HOT WATER HEATER	JAPAN	1	1 UNIT	2016
2016-3	NESTLE	ATLAS COPCO - KOREA	PULMUONE NATURAL MINERAL WATER / AFTER-C	KOREA	1	1 UNIT	2016

Experience List (for Shell & Tube Heat Exchanger)

JOB No	END USER	CONTRACTOR	PROJECT Name / ITEM Name	LOCATION	ITEM	Q'TY	DELIVERY
2016-4	KOLON INDUSTRIES	KOLON INDUSTRIES	GIMCHUN / DIB STORAGE TANK HEAT EXCHANGER	KOREA	1	1 UNIT	2016
2016-5	FORMOSA PLASTICS CORP.	KOBE STEEL	15-00375-UJFORMOSA / OIL COOLER	TAIWAN	1	1 UNIT	2016
2016-6	CCD(SINGAPORE) PTE.	TSURUMI PUMP	CCD SINGAPORE / SEAL WATER COOLER	SINGAPORE	2	1 UNIT	2016
2016-7	POSCO	POSCO	PCI 3,4 HIGH PRESSURE / AFTER COOLER	KOREA	3	1 UNIT	2016
2016-8	TOHO CHEMICAL E&C	HWANWOONG	GK-7,8 / SURFACE CONDENSER	JAPAN	3	1 UNIT	2016
2016-9	PT PERTAMINA/ JGC CONSORTIUM	KOBE STEEL	JGC PERTAMINA / TCW COOLER	INDONESIA	1	1 UNIT	2016
2016-10	DSME/MOL	KOBE STEEL	BOG BOOSTING COMP. / 1ST DIS COOLER	JAPAN	1	1 UNIT	2017
2016-11	DSME/MOL	KOBE STEEL	BOG BOOSTING COMP. / 2ND DIS COOLER	JAPAN	1	1 UNIT	2017
2016-12	DSME/MOL	KOBE STEEL	BOG BOOSTING COMP. / 3RD DIS COOLER	JAPAN	1	1 UNIT	2017
2016-12	S-OIL	HANWHA TECHWIN	S-OIL OXIDATION / OIL COOLER (AEW TYPE)	KOREA	1	2 UNIT	2017
2016-12	S-OIL	HANWHA TECHWIN	S-OIL PACKAGE #1 / OIL COOLER (AEW TYPE)	KOREA	1	3 UNIT	2017
2016-12	S-OIL	HANWHA TECHWIN	S-OIL PACKAGE #2 / OIL COOLER (AEW TYPE)	KOREA	1	1 UNIT	2017
2016-12	S-OIL	HANWHA TECHWIN	S-OIL PACKAGE #3 / OIL COOLER (AEW TYPE)	KOREA	1	3 UNIT	2017
2016-13	MHPS	MHPS	XIB-2 INDONESIA / OIL COOLER	INDONESIA	1	1 UNIT	2017
2016-14	China Energy Engineering Group	ATLAS COPCO - AMERICA	GPEC - Ghorasal 4 Bangladesh / INTER COOLER	BANGLADESH	1	3 UNIT	2017
2016-15	China Energy Engineering Group	ATLAS COPCO - AMERICA	GPEC - Ghorasal 4 Bangladesh / RECYCLE COOLER	BANGLADESH	1	3 UNIT	2017
2017-1	DAESUNG INDUSTRIAL GASES CO.	DASUNG INDUSTRIAL GASES CO.	HSC SUNCHEON NO.3 / AIR HEATER EXCHANGER	KOREA	1	1 UNIT	2017
2017-2	FORMOSA PETROCHEMICAL CORP.	KOBE STEEL	METHANE RICH GAS / TCW COOLER	TAIWAN	1	2 UNIT	2017
2017-3	FORMOSA PETROCHEMICAL CORP.	KOBE STEEL	METHANE RICH GAS / LO COOLER (DUPLX)	TAIWAN	1	3 UNIT	2017
2017-4	KOREA HYDRO & NUCLEAR POWER	DOOSAN HEAVY INDUSTRIES	SHINGORI #5,6 / GLAND STEAM CONDENSER	KOREA	1	2 UNIT	2018 & 2019
2017-5	DSME	HANWHA TECHWIN	DSME H.2462 / OIL COOLER	KOREA	1	2 UNIT	2017
2017-6	NAVOI	KOBE STEEL	MHPS/UZBEKENERGY NAVOI / Oil Cooler	UZBEKISTAN	1	3 UNIT	2017
2017-7	ALE	KOBE STEEL	AL France / Oil Cooler	FRANCE	1	1 UNIT	2017
2017-8	HYUNDAI HEAVY INDUSTRIES	KOBE STEEL	HHI/PARDUS / 1st Dis Cooler	KOREA	1	1 UNIT	2017
2017-9	HYUNDAI HEAVY INDUSTRIES	KOBE STEEL	HHI/PARDUS / 2nd Dis Cooler	KOREA	1	1 UNIT	2017
2017-10	HYUNDAI HEAVY INDUSTRIES	KOBE STEEL	HHI/PARDUS / 3rd Dis Cooler	KOREA	1	1 UNIT	2017
2017-11	KOLON INDUSTRIES	KOLON INDUSTRIES	SPB#4 / VENT CONDENSER	KOREA	1	1 UNIT	2017
2017-12	KUWAIT NATIONAL PETROLEUM COMPANY	KOBE STEEL	HEC/KNPC / Oil Cooler	KUWAIT	4	4 UNIT	2017
2017-13	MAIDURU KIRAKU KOGYO	ING CORP.	TONICHI KIKAI / EJECTOR CONDENSER	JAPAN	1	1 UNIT	2018
2017-14	ARAMCO	HANWHA TECHWIN	EDRF / OIL COOLER	SAUDI ARABIA	1	3 UNIT	2018
2017-15	KUWAIT NATIONAL PETROLEUM COMPANY	HANWHA TECHWIN	KIPIC AL-ZOUR LNGIAZRP / OIL COOLER	KUWAIT	1	2 UNIT	2018
2017-16	SERBIA	ATLAS COPCO - AMERICA	SERBIA (T-40001009) / LUBE OIL COOLER	SERBIA	1	1 UNIT	2018
2017-17	KAZANORG SINTEZ	HANWHA TECHWIN	RU KaznOrgSynthez #01 / OIL COOLER	RUSSIA	1	1 UNIT	2018
2017-18	SAMSUNG HEAVY INDUSTRIES	HANWHA TECHWIN	SHIMozambique ENI / OIL COOLER	MOZAMBIQUE	1	3 UNIT	2018
2017-19	SHINPYEONGTAEK POWER Co.,Ltd.	HANWHA TECHWIN	SHINPYEONGTAEK / RECYCLE GAS COOLER	KOREA	1	3 UNIT	2018

Experience List (for Shell & Tube Heat Exchanger)

JOB No	END USER	CONTRACTOR	PROJECT Name / ITEM Name	LOCATION	ITEM	Q'TY	DELIVERY
2017-20	LOTTE CHEMICAL	HYOSUNG / JAEWOO	LCC H-NC3 / GLAND STEAM CONDENSER	KOREA	1	1 UNIT	2018
2017-21	KOREA MIDLAND POWER Co.,Ltd.	DOOSAN HEAVY INDUSTRIES	BORYEONG#3 / OIL COOLER BUNDLE	KOREA	2	2 UNIT	2018
2017-22	OLTIN YO'L GTL	KOBE STEEL	HEC/OLTIN YO'L GTL / OIL COOLER	UZBEKISTAN	3	6 UNIT	2018
2017-23	OLTIN YO'L GTL	KOBE STEEL	HEC/OLTIN YO'L GTL / CW COOLER	UZBEKISTAN	3	5 UNIT	2018
2017-24	SAMSUNG HEAVY INDUSTRIES	HANWHA POWER SYSTEM	SHI-Mozambique ENI / Warm-up Heater	MOZAMBIQUE	1	1 UNIT	2018
2017-25	SAMSUNG HEAVY INDUSTRIES	ATLAS COPCO - AMERICA	SHI-KOGAS 2233, 2234 / Pre-Heater	KOREA	1	4 UNIT	2018
2017-26	FARABI	HANWHA POWER SYSTEM	IRANIFARABI / OIL COOLER	IRAN	1	2 UNIT	2018
2018-1	CTCI	HANWHA POWER SYSTEM	CTCI/TRACK4A / OIL COOLER	CHINA	1	3 UNIT	2018
2018-2	CTCI	HANWHA POWER SYSTEM	CTCI/TRACK4A / RECYCLE COOLER	CHINA	1	3 UNIT	2018
2018-3	KOREA HYDRO & NUCLEAR POWER	DOOSAN HEAVY INDUSTRIES	SHINGORI FWPT / LUBE OIL COOLER	KOREA	1	6 UNIT	2018
2018-3	INDIA OIL CORPORATION	HANWHA POWER SYSTEM	INDIA/EIL IOCL / OIL COOLER	INDIA	1	2 UNIT	2018
2018-4	SK E&C	DOOSAN HEAVY INDUSTRIES	GOSEONG THERMAL POWER PLANT / OIL COOLER	KOREA	1	4 UNIT	2018
2018-5	MORUPULE POWER STATION	DOOSAN HEAVY INDUSTRIES	MORUPULE A / LUBE OIL COOLER	BOTSWANA	1	2 UNIT	2018
2018-6	KOREA MIDLAND POWER	DOOSAN HEAVY INDUSTRIES	SHINSEOEON THERMAL POWER PLANT / STATOR WATER COOLER	KOREA	1	2 UNIT	2018
2018-7	SK E&C	DOOSAN HEAVY INDUSTRIES	GOSEONG THERMAL POWER PLANT / STATOR WATER COOLER	KOREA	1	4 UNIT	2018
2018-8	DAEJU MACHINERY	DAEJU MACHINERY	R&D / LUBE OIL COOLER	KOREA	1	1 UNIT	2018
2018-9	SHIN ETSU	KOBE STEEL	SSP-3 PLAQUEMINE CA PLANT / LUBE OIL COOLER	JAPAN	1	4 UNIT	2018
2018-10	TAKHIATASH POWER PLANT	HANWHA POWER SYSTEM	TAKHIATASH / RECYCLE COOLER	UZBEKISTAN	1	3 UNIT	2018
2018-11	TAKHIATASH POWER PLANT	HANWHA POWER SYSTEM	TAKHIATASH / OIL COOLER	UZBEKISTAN	1	4 UNIT	2018
2018-12	AMK	ATLAS COPCO - AMERICA	ALE AMK O2 / OIL COOLER	GERMANY	1	2 UNIT	2018
2018-13	THAILAND PETROCHEMICAL PLANT	KOBE STEEL	SECL PTTGC(VG583) / OIL COOLER	THAILAND	2	3 UNIT	2018
2018-14	AMUR GAS PROCESSING PLANT	HANWHA POWER SYSTEM	TECHNIMONT AGPP SINERGIA / OIL COOLER	RUSSIA	1	2 UNIT	2018
2018-15	AMUR GAS PROCESSING PLANT	HANWHA POWER SYSTEM	TECHNIMONT AGPP SIAD / OIL COOLER	RUSSIA	1	3 UNIT	2018
2018-16	AIR LIQUIDE	KOBE STEEL	AIR LIQUIDE YEOSU / LUBE OIL COOLER	JAPAN	1	1 UNIT	2018
2018-17	PETRONA	HANWHA POWER SYSTEM	HEC MELAKA EUROS / OIL COOLER	MALAYSIA	1	1 UNIT	2018
2018-18	JUPC	HANWHA POWER SYSTEM	SECL JUPC EG-III / LUBE OIL COOLER	THAILAND	1	1 UNIT	2018
2018-19	PRAXAIR	HANWHA POWER SYSTEM	PRAXAIR/PYEONGTAEK / LUBE OIL COOLER	KOREA	1	1 UNIT	2018
2018-20	KOREA HYDRO & NUCLEAR POWER	DOOSAN HEAVY INDUSTRIES	SHINGORI 5 / STATOR WINDING WATER COOLER	KOREA	1	2 UNIT	2020
2018-21	KOREA HYDRO & NUCLEAR POWER	DOOSAN HEAVY INDUSTRIES	SHINGORI 6 / STATOR WINDING WATER COOLER	KOREA	1	2 UNIT	2020
2018-22	LOTTE CHEMICAL	AIR LIQUIDE-FRANCH	LOTTE BP / CO EXPANDER COOLER	FRANCH	1	1 UNIT	2019
2018-23	YEOSU PLANT	AIR LIQUIDE-FRANCH	YEOSU 4 / CO EXPANDER COOLER	KOREA	1	1 UNIT	2019
2018-24	YEOSU PLANT	HANWHA POWER SYSTEM	ALK YEOSU Y4 NG BOOSTER / OIL COOLER	KOREA	1	1 UNIT	2019
2018-25	KOREA HYDRO & NUCLEAR POWER	DOOSAN HEAVY INDUSTRIES	SHINGORI 5 / LUBE OIL COOLER	KOREA	1	2 UNIT	2020
2018-26	KOREA HYDRO & NUCLEAR POWER	DOOSAN HEAVY INDUSTRIES	SHINGORI 6 / LUBE OIL COOLER	KOREA	1	2 UNIT	2020
2018-27	PRAXAIR	HANWHA POWER SYSTEM	PRAXAIR/YONGIN(EN3000) / OIL COOLER	KOREA	1	1 UNIT	2019

Experience List (for Shell & Tube Heat Exchanger)

JOB No	END USER	CONTRACTOR	PROJECT Name / ITEM Name	LOCATION	ITEM	Q'TY	DELIVERY
2018-28	GCGV ASSET HOLDING, LLC	KOBE STEEL	CMI / OIL COOLER	U.S.A	1	2 UNIT	2019
2018-29	PRAXAIR	HANWHA POWER SYSTEM	PRAXAIR/YONGIN / OIL COOLER	KOREA	1	1 UNIT	2019
2018-30	CSPC	MISUZU	CSPC SMP/PO/POD / LUBE OIL COOLER	CHINA	1	2 UNIT	2019
2019-1	BAHRAIN PERTROLEUM COMPANY	KOBE STEEL	BAPCO / LUBE OIL COOLER	BAHRAIN	3	5 UNIT	2019
2019-2	BAHRAIN PERTROLEUM COMPANY	KOBE STEEL	BAPCO / WATER COOLER	BAHRAIN	3	4 UNIT	2019
2019-3	ARAMCO	HANWHA POWER SYSTEM	HAWIYAH GAS PLANT EXPANSION / OIL COOLER	SAUDI ARABIA	1	4 UNIT	2019
2019-4	SHI	HANWHA POWER SYSTEM	SHI/JAWA FSRU / OIL COOLER	KOREA	3	1 UNIT	2019
2019-5	ISU CHEMICAL	HOWDEN	H2S DIAPHRAGM COMP	KOREA	1	8 UNIT	2019
2019-6	HANWHA GENERAL CHEMICAL	HANWHA POWER SYSTEM	HANWHA GENERAL CHEMICAL / OIL COOLER	KOREA	1	1 UNIT	2019
2019-7	ARAMCO	HANWHA POWER SYSTEM	ARAMCO-SHEDGUM / OIL COOLER	SAUDI ARABIA	1	1 UNIT	2019
2019-8	PETROBRAS	KOBE STEEL	PETROBRAS / OIL COOLER	BRAZIL	1	4 UNIT	2019
2019-9	SKEC PDH	KOBE STEEL	400KTA ULSAN PP / OIL COOLER	KOREA	1	2 UNIT	2019
2019-10	SK E&C	HANWHA POWER SYSTEM	S-PJT / OIL COOLER	KOREA	3	2 UNIT	2019
2019-11	TOYO INKGCC	KOBE STEEL	IPP 650 KTA LLPDE / OIL COOLER	RUSSIA	1	1 UNIT	2019
2019-12	TOYO INKGCC	HANWHA POWER SYSTEM	IPP 650 KTA Ethylene Plant / OIL COOLER	RUSSIA	1	1 UNIT	2019
2019-13	KOREA ZINC	FUJI ELECTRIC	KOREA ZINC CQPP / GLAND STEAM CONDENSER	KOREA	1	1 UNIT	2020
2019-14	GS CALTEX	HANWHA POWER SYSTEM	GS CALTEX / OIL COOLER	KOREA	1	4 UNITS	2019
2019-15	HANWHA TOTAL PETROCHEMICAL	KOBE STEEL	SC500KTA EXPANSION / OIL COOLER	KOREA	1	1 UNIT	2019
2019-16	GS CALTEX	KOBE STEEL	YEOSU NO.2 COMPLEX L / OIL COOLER	KOREA	1	1 UNIT	2019
2019-17	MTSUI CHEMICALS	KOBE STEEL	MELS DEBOTTLENECKING / DIS. INTER COOLER	JAPAN	1	1 UNIT	2019
2019-18	-	KOBE STEEL	B-PJT / OIL COOLER	-	1	1 UNIT	2019
2019-19	ALNG	HANWHA POWER SYSTEM	TECHNIP ARCTIC LNG2 / OIL COOLER	RUSSIA	1	6 UNITS	2020
2019-20	D.S.M.E	KOBE STEEL	MARAN GAS 174,000 CBM LNGC (X-DF) / DIS. COOLER	-	3	5 UNITS	2020
2019-21	TENOVA	KOBE STEEL - AMERICA	TENOVA HYL (ES-585, 586) / OIL COOLER	U.S.A	2	1 UNIT	2020
2019-22	LONG SON PETROCHEMICALS	KOBE STEEL	VIETNAM LSP HDPE/PP / OIL COOLER	VIETNAM	1	1 UNIT	2020
2019-23	SIEMENS	HANWHA POWER SYSTEM	IRAQ SIEMENS MAISAN POWER / OIL-C	IRAQ	1	1 UNIT	2020
2019-24	PETROCHEMICAL COMPLEX IN SOUTH OF VIETNAM	KOBE STEEL	LLDPE PLANT / OIL COOLER	VIETNAM	1	1 UNIT	2020
2019-25	GRUPA AZOTY POLYOLEFINS (HDEC)	DAESUNG INDUSTRIAL GASES	POLIMERY POLICE PROJECT / AIR PRE COOLER	POLAND	1	1 UNIT	2020
2019-26	TENOVA	KOBE STEEL - AMERICA	TENOVA HYL (ES-587) / OIL COOLER	BOLIVIA	1	1 UNIT	2020
2019-27	HYUNDAI CHEMICAL	HHI-TWC	HEAVY-FEED PETROCHEMICAL COMPLEX / OIL COOLER	KOREA	2	1 UNIT	2020
2019-28	HYUNDAI CHEMICAL	KOBE STEEL	HEAVY-FEED PETROCHEMICAL COMPLEX / OIL COOLER	KOREA	5	1 UNIT	2020

Experience List (for Hydrogen Cooler & Air Cooler of Electric Generator)

JOB No	END USER	CONTRACTOR	PROJECT Name / ITEM Name	Tube Material	Tube-sheet Material	DELIVERY	Unit	Quantity	DELIVERY
2002	GENERAL ELECTRIC COMPANY	DOOSAN HEAVY INDUSTRIES / KPHE	GE SOURCING / 324 H2 COOLER	B1111-C70600	A516-70	U.S.A	3	12 SETS	2002
2003-1	GENERAL ELECTRIC COMPANY	DOOSAN HEAVY INDUSTRIES / KPHE	GE SOURCING / 324 H2 COOLER	B1111-C70600	A516-70	U.S.A	9	36 SETS	2003
2003-2	KOREA SOUTHERN POWER	DOOSAN HEAVY INDUSTRIES / KPHE	YONGDONG / H2 COOLER	B1111-C70600	A516-70	KOREA	1	1 SET	2003
2004-1	KOREA HYDRO & NUCLEAR POWER	DOOSAN HEAVY INDUSTRIES / KPHE	YANGYANG / H2 COOLER	B1111-C70600	A516-70	KOREA	1	27 SETS	2004
2004-2	KOREA HYDRO & NUCLEAR POWER	DOOSAN HEAVY INDUSTRIES / KPHE	YANGYANG / H2 COOLER	B1111-C70600	A516-70	KOREA	1	24 SETS	2005
2007-1	KOREA HYDRO & NUCLEAR POWER	DOOSAN HEAVY INDUSTRIES / KPHE	YEONGGWANG / H2 COOLER	B1111-C70600	A516-70	KOREA	1	8 SETS	2007
2007-2	KOREA EAST-WEST POWER	DOOSAN HEAVY INDUSTRIES / KPHE	ULSAN / H2 COOLER	B1111-C70600	A516-70	KOREA	1	12 SETS	2007
2008-1	GENERAL ELECTRIC COMPANY	DOOSAN HEAVY INDUSTRIES / KPHE	GE SOURCING / 7FH2 COOLER	B1111-C70600	A516-70	U.S.A	13	52 SETS	2008
2008-2	GENERAL ELECTRIC COMPANY	DOOSAN HEAVY INDUSTRIES / KPHE	GE SOURCING / 324 H2 COOLER	B1111-C70600	A516-70	U.S.A	7	28 SETS	2008
2009-1	GENERAL ELECTRIC COMPANY	DOOSAN HEAVY INDUSTRIES / KPHE	GE SOURCING / 7FH2 COOLER	B1111-C70600	A516-70	U.S.A	4	16 SETS	2009
2009-2	GENERAL ELECTRIC COMPANY	DOOSAN HEAVY INDUSTRIES / KPHE	GE SOURCING / 324 H2 COOLER	B1111-C70600	A516-70	U.S.A	4	16 SETS	2009
2009-3	KOREA SOUTHERN POWER	DOOSAN HEAVY INDUSTRIES	YEONGWOL (300 MW) / STG H2 COOLER	B1111-C70600	A516-70	KOREA	1	4 SETS	2009
2009-4	KOREA SOUTHERN POWER	DOOSAN HEAVY INDUSTRIES	YEONGWOL (300 MW) / GTG H2 COOLER	B1111-C70600	A516-70	KOREA	1	12 SETS	2009
2010-1	GENERAL ELECTRIC COMPANY	DOOSAN HEAVY INDUSTRIES / KPHE	GE SOURCING / 7FH2 COOLER	B1111-C70600	A516-70	U.S.A	8	32 SETS	2010
2010-2	GENERAL ELECTRIC COMPANY	DOOSAN HEAVY INDUSTRIES / KPHE	GE SOURCING / 324 H2 COOLER	B1111-C70600	A516-70	U.S.A	2	8 SETS	2010
2010-3	GENERAL ELECTRIC COMPANY	DOOSAN HEAVY INDUSTRIES / KPHE	GE SOURCING / 7FH2 COOLER	B1111-C70600	A516-70	U.S.A	3	12 SETS	2010
2010-4	GENERAL ELECTRIC COMPANY	DOOSAN HEAVY INDUSTRIES / KPHE	GE SOURCING / 324 COOLER	B1111-C70600	A516-70	U.S.A	1	4 SETS	2010
2010-5	KOREA WESTERN POWER	DOOSAN HEAVY INDUSTRIES	PYEONGTAEK #3, #4 (582 MW) / H2 COOLER	B1111-C70600	A516-70	KOREA	2	8 SETS	2010
2010-6	KOREA SOUTH-EAST POWER	DOOSAN HEAVY INDUSTRIES	SAMCHONPO #1, #2, #4 (324 MW) / H2 COOLER	B1111-C70600	A516-70	KOREA	3	12 SETS	2010
2010-7	GMR ENERGY	DOOSAN HEAVY INDUSTRIES	RAIPUR #1, #2 (1370 MW) / H2 COOLER	B1111-C70600	A516-70	INDIA	2	8 SETS	2011
2011-1	GENERAL ELECTRIC COMPANY	DOOSAN HEAVY INDUSTRIES	GE SOURCING / 324 H2 COOLER (ASME U-STAMP)	B1111-C70600	A516-70	U.S.A	8	32 SETS	2011
2011-2	KOREA WESTERN POWER	DOOSAN HEAVY INDUSTRIES	PYEONGTAEK #1 (582 MW) / H2 COOLER	B1111-C70600	A516-70	KOREA	1	4 SETS	2011
2011-3	KOREA MIDLAND POWER	SUNGSAN	BORYUNG CGPP (500 MW) / AIR COOLER	B1111-C70600	B171-C46400	KOREA	1	4 SETS	2011
2011-4	KOREA HYDRO & NUCLEAR POWER	SUNGSAN	CHEONG-PYEONG (400 MW) / AIR COOLER	B1111-C70600	B171-C46400	KOREA	1	1 SET	2011
2012-1	KOREA HYDRO & NUCLEAR POWER	SUNGSAN	CHEONG-PYEONG (400 MW) / AIR COOLER	B1111-C70600	B171-C46400	KOREA	1	7 SETS	2012
2012-2	AES-VCM	DOOSAN HEAVY INDUSTRIES	MONG DOUNG-2 (1120 MW) / H2 COOLER	B1111-C70600	A516-70	VIETNAM	2	8 SETS	2012
2012-3	MARAFIQ	DOOSAN HEAVY INDUSTRIES	YANBU-2 / H2 COOLER (ASME U-STAMP)	B1111-C70600	A516-70	SAUDI ARABIA	3	12 SETS	2012
2012-4	POCHEON POWER	DOOSAN HEAVY INDUSTRIES	POCHEON (1560 MW) / H2 COOLER	B1111-C70600	A516-70	KOREA	2	8 SETS	2012
2012-5	H.H.I.C	DOOSAN HEAVY INDUSTRIES	YANGJU (550 MW) / H2 COOLER	B1111-C70600	A516-70	KOREA	3	12 SETS	2012
2012-6	KOREA MIDLAND POWER	DOOSAN HEAVY INDUSTRIES	SEJONG (530 MW) / H2 COOLER	B1111-C70600	A516-70	KOREA	3	12 SETS	2012
2012-7	KOREA HYDRO & NUCLEAR POWER	SUNGSAN	INCHEON (375 MW) / AIR COOLER	B1111-C70600	B171-C46400	KOREA	1	4 SETS	2012
2012-8	KOREA MIDLAND POWER	TURBOCARE	BORYEONG #4 (500 MW) / H2 COOLER	B1111-C70600	A516-70	KOREA	1	4 SETS	2013
2013-1	EVN	DOOSAN HEAVY INDUSTRIES	MONG DOUNG-1 (1120 MW) / H2 COOLER	B1111-C70600	A516-70	VIETNAM	2	8 SETS	2013
2013-2	HANAM ENERGY SERVICE	DOOSAN HEAVY INDUSTRIES	HANAM CHP (469 MW) / H2 COOLER	B1111-C70600	A516-70	KOREA	1	4 SETS	2013
2013-3	GENERAL ELECTRIC COMPANY	DOOSAN HEAVY INDUSTRIES	7FH2B / H2 COOLER (ASME U-STAMP)	B1111-C70600	A516-70	U.S.A	1	4 SETS	2013

Experience List (for Hydrogen Cooler & Air Cooler of Electric Generator)

JOB No	END USER	CONTRACTOR	PROJECT Name / ITEM Name	Tube Material	Tube-sheet Material	DELIVERY	Unit	Quantity	DELIVERY
2013-4	KOREA SOUTH-EAST POWER	DOOSAN HEAVY INDUSTRIES	SAMCHONPO #3 (324 MW) / H2 COOLER	B1111-C70600	A516-70	KOREA	1	4 SETS	2013
2013-5	GENERAL ELECTRIC COMPANY	DOOSAN HEAVY INDUSTRIES	GE SOURCING / 324 H2 COOLER (ASME U-STAMP)	B1111-C70600	A516-70	U.S.A	2	8 SETS	2013
2013-6	HANAM ENERGY SERVICE	DOOSAN HEAVY INDUSTRIES	HANAM CHP (460 MW) / AIR COOLER	B1111-C70600	A516-70	KOREA	1	2 SETS	2013
2014-1	KOREA MIDLAND POWER	KEPCO	BORYEONG #3 (500 MW) / H2 COOLER	B1111-C70600	A516-70	KOREA	1	4 SETS	2014
2014-2	KOREA MIDLAND POWER	DOOSAN HEAVY INDUSTRIES	SEOUL GTG #1 & #2 (400 MW) / H2 COOLER	B1111-C70600	A516-70	KOREA	2	8 SETS	2016
2014-3	O.C.J	DOOSAN HEAVY INDUSTRIES	SAEWANGUML STG #1 & #2 (303 MW) / AIR COOLER	B1111-C70600	A516-70	KOREA	2	4 SETS	2014
2014-4	KOREA MIDLAND POWER	DOOSAN HEAVY INDUSTRIES	SEOUL STG #1 & #2 (400 MW) / AIR COOLER	B1111-C70600	A516-70	KOREA	2	4 SETS	2015
2014-5	GENERAL ELECTRIC COMPANY	DOOSAN HEAVY INDUSTRIES	7FH2B / H2 COOLER (ASME U-STAMP)	B1111-C70600	A516-70	U.S.A	8	32 SETS	2014 & 2015
2014-6	GENERAL ELECTRIC COMPANY	DOOSAN HEAVY INDUSTRIES	7FH2B / H2 COOLER (MEXICAN REGULATION)	B1111-C70600	A516-70	U.S.A	1	4 SETS	2014
2014-7	KOREA WESTERN POWER	DONGHWA ENTEC	TAEAN #1 & #2 (500 MW) / H2 COOLER	B1111-C70600	A516-70	KOREA	1	4 SETS	2014 & 2015
2014-8	AES-VCM	DOOSAN HEAVY INDUSTRIES	MONG DOUNG-2 (1120 MW) / H2 COOLER	B1111-C70600	A516-70	VIETNAM	1	4 SETS	2014
2015-1	GENERAL ELECTRIC COMPANY	DOOSAN HEAVY INDUSTRIES	7FH2B / H2 COOLER (ASME U-STAMP)	B1111-C70600	B171-C46400	U.S.A	2	8 SETS	2015
2015-2	GENERAL ELECTRIC COMPANY	DOOSAN HEAVY INDUSTRIES	7FH2B / H2 COOLER (ASME U-STAMP)	B1111-C70600	A516-70	U.S.A	4	16 SETS	2015
2015-3	KOREA DISTRICT HEATING CORP.	DOOSAN HEAVY INDUSTRIES	HWASUNG DONGTAN2 #1 & #2 (800MW) / AIR COOLER	B1111-C70600	A516-70	KOREA	2	4 SETS	2015
2015-4	KOREA DISTRICT HEATING CORP.	DOOSAN HEAVY INDUSTRIES	HWASUNG DONGTAN2 #1 & #2 (800 MW) / H2 COOLER	B1111-C70600	A516-70	KOREA	2	8 SETS	2016
2015-5	SAFI ENERGY COMPANY	MITSUBISHI HITACHI POWER SYSTEMS	SAFI INDEPENDENT POWER (1320 MW) / H2 COOLER	B1111-C70600	A516-70	MOROCCO	2	8 SETS	2016
2016-1	EMPLAME	DOOSAN HEAVY INDUSTRIES	EMPALME #1,2 (770 MW) / H2 COOLER	A213-TP304	A240-304	MEXICO	2	8 SETS	2016
2016-2	PVN (PETRO VIETNAM)	DOOSAN HEAVY INDUSTRIES	SONGHAUJ (1200 MW) / H2 COOLER	B1111-C70600	A516-70	VIETNAM	2	8 SETS	2017
2016-3	GANGREUNG ECO POWER	DOOSAN HEAVY INDUSTRIES	GANGREUNG #1,2 (1000 MW) / H2 COOLER	B1111-C70600	A516-70	KOREA	2	8 SETS	2018
2016-4	SK E&C	DOOSAN HEAVY INDUSTRIES	GOSUNG 1,2 (1000 MW) / H2 COOLER	B1111-C70600	A516-70	KOREA	2	8 SETS	2018
2016-5	KOREA MIDLAND POWER	DOOSAN HEAVY INDUSTRIES	SHIN SEOCHUN (1000 MW) / H2 COOLER	B1111-C70600	B171-C46400	KOREA	1	4 SETS	2018
2016-6	PUBLIC POWER CORPORATION S.A	MITSUBISHI HITACHI POWER SYSTEMS	XGPT-5 IN GREECE (660 MW) / H2 COOLER	B1111-C70600	B171-C46400	GREECE	1	2 SETS	2017
2016-7	AIR WATER & ENERGIA POWER YAMAGUCHI	FUJII ELECTRIC	HOFU BIOMASS POWER STATION / AIR COOLER	B1111-C70600	B171-C46400	JAPAN	1	3 SETS	2017
2016-8	KOBE STEEL, LTD.	FUJII ELECTRIC	MOKA POWER PLANT #1 / H2 COOLER	B1111-C70600	B171-C46400	JAPAN	1	2 SETS	2017
2016-9	SAN BUENAVENTURA POWER LTD.	MITSUBISHI HITACHI POWER SYSTEMS	XGPT-5 SUPERCRITICAL PULVERIZED / H2 COOLER	B1111-C70600	B171-C46400	PHILIPPINE	1	4 SETS	2017
2016-10	KOREA SOUTH-EAST POWER	DOOSAN HEAVY INDUSTRIES	SAMCHONPO #5,6 (324 MW) / H2 COOLER	B1111-C70600	A516-70	KOREA	2	8 SETS	2017 & 2018
2016-11	KOREA SOUTHERN POWER	DOOSAN HEAVY INDUSTRIES	HADONG #1-6 (300 MW) / H2 COOLER	B1111-C70600	A516-70	KOREA	5	20 SETS	2017 & 2018
2017-1	KOBE STEEL, LTD.	FUJII ELECTRIC	MOKA POWER PLANT #2 / H2 COOLER	B1111-C70600	B171-C46400	JAPAN	1	2 SETS	2017
2017-2	KOBE STEEL, LTD.	FUJII ELECTRIC	MOKA POWER PLANT #1,2 / AIR COOLER	B1111-C70600	B171-C46400	JAPAN	2	6 SETS	2017 & 2018
2017-4	PUBLIC POWER CORPORATION S.A	MITSUBISHI HITACHI POWER SYSTEMS	XGPT-5, EXTRA (660 MW) / H2 COOLER	B1111-C70600	B171-C46400	GREECE	1	1 SET	2017
2017-5	BUZEN NEW ENERGY	FUJII ELECTRIC	EREX BUZEN / AIR COOLER	B1111-C70600	B171-C46400	JAPAN	1	3 SETS	2017
2017-6	PT SUPREME ENERGY	FUJII ELECTRIC	MUARALOBH GEOTHERMAL / AIR COOLER	A213-TP316L	A240-316L	INDONESIA	1	3 SETS	2018
2017-7	MURORAN BIOMASS POWER GEN.	FUJII ELECTRIC	MURORAN BIOMASS / AIR COOLER	B1111-C70600	B171-C46400	JAPAN	1	3 SETS	2018
2017-8	FADHILI	DOOSAN HEAVY INDUSTRIES	FADHILI (1500 MW) / H2 COOLER	B1111-C70600	A516-70	SAUDI ARABIA	2	4 SETS	2017
2017-9	MURARA TAWAR	DOOSAN HEAVY INDUSTRIES	MURARA TAWAR (1800 MW) / AIR COOLER	B1111-C70600	A516-70	INDONESIA	3	2 SETS	2018

Experience List (for Hydrogen Cooler & Air Cooler of Electric Generator)

JOB No	END USER	CONTRACTOR	PROJECT Name / ITEM Name	Tube Material	Tube-sheet Material	DELIVERY	Unit	Quantity	DELIVERY
2017-10	ASSIUT	DOOSAN HEAVY INDUSTRIES	ASSIUT (650 MW) / H2 COOLER	B1111-C70600	A516-70	EGYPT	1	4 SETS	2018
2017-11	CAIRO WEST	DOOSAN HEAVY INDUSTRIES	CAIRO WEST (650 MW) / H2 COOLER	B1111-C70600	A516-70	EGYPT	1	4 SETS	2018
2017-12	ZERAN	DOOSAN HEAVY INDUSTRIES	ZERAN (490 MW) / AIR COOLER	A213-TP304	A240-304	POLAND	1	2 SETS	2018
2018-1	KOREA SOUTHERN POWER	YEONGWOL POWER PLANT	YEONGWOL COMBINED CYCLE POWER / H2 COOLER	B1111-C70600	A516-70	KOREA	1	1 SET	2018
2018-2	THE KWALE OKPAI POWER PLANT	DOOSAN HEAVY INDUSTRIES	OKPAI-2 / AIR COOLER	B1111-C70600	A516-70	NIGERIA	1	2 SETS	2018
2018-3	MARCUS HOOK ENERGY CENTER	TOSHIBA	MARCUS HOOK / H2 COOLER	B1111-C70600	A516-70	U.S.A	1	4 SETS	2018
2018-4	GEOHEMAL POWER PLANT	FUJII ELECTRIC	NORTH AMERICA / AIR COOLER	SUS316L TB-S	SUS316L	U.S.A	1	4 SETS	2018
2018-5	RANTAU DEDAP GEOTHERMAL POWER PLANT	FUJII ELECTRIC	RANTAU U1, U2 / AIR COOLER	SUS316L TB-S	SUS316L	MALAYSIA	1	6 SETS	2019
2018-6	GEOHEMAL POWER STATION	FUJII ELECTRIC	F-PROJECT / H2 COOLER	B1111-C70600	B171-C46400	KENYA	1	4 SETS	2019
2018-7	OLKARIA I GEOTHERMAL POWER STATION	DAISHO-FUJII	OLKARIA U6 / AIR COOLER	SUS316L TB-S	SUS316L	KENYA	1	4 SETS	2019
2018-8	SHARJAH LAYYAH POWER STATION	MITSUBISHI HITACHI POWER SYSTEMS	XULS-GTG-1,2/STG / H2 COOLER	B1111-C70600	B171-C46400	U.A.E	1	6 SETS	2019
2018-9	JSW STEEL DOLVI WORKS	DOOSAN HEAVY INDUSTRIES	JSW DOLVI / AIR COOLER	B1111-C70600	SA516-70N	INDIA	1	2 SETS	2019
2018-10	MONTGOMERY POWER PLANT	TOSHIBA	MONTGOMERY / H2 COOLER	B1111-C70600	SA516-70N	U.S.A	1	4 SETS	2019
2019-1	KOREA SOUTH-EAST POWER	DOOSAN HEAVY INDUSTRIES	YEONGHEUNG #2 / H2 COOLER	B1111-C70600	A516-70	KOREA	1	4 SETS	2019
2019-2	ONAHAMA	FUJII ELECTRIC	ONAHAMA / AIR COOLER	B1111-C70600	B171-C46400	JAPAN	1	3 SETS	2019
2019-3	CIREBON POWER PLANT	TOSHIBA	CIREBON / H2 COOLER	B1111-C70600	A516-70	INDONESIA	1	4 SETS	2019
2019-4	NGHI SON II THERMAL POWER PLANT	MITSUBISHI HITACHI POWER SYSTEMS	XVNS-1,2/ H2 COOLER	B1111-C70600	B171-C46400	U.A.E	1	8 SETS	2019
2019-5	OTTER TAIL POWER, ASTORIA STATION	MITSUBISHI HITACHI POWER SYSTEMS	XOTP-1,2/ AIR COOLER	B1111-C70600	B171-C46400	U.A.E	1	8 SETS	2019
2019-6	GEOHEMAL POWER STATION	FUJII ELECTRIC	F-PROJECT / AIR COOLER	B1111-C70600	B171-C46400	KENYA	1	8 SETS	2019-20
2019-7	KOREA ZINC	FUJII ELECTRIC	KOREA ZINC PROJECT / AIR COOLER	B1111-C70600	B171-C46400	KOREA	1	3 SETS	2020
2019-8	TCLA GODO KAISHA	MITSUBISHI HITACHI POWER SYSTEMS	TKE3 TOKUYAMA TPP / H2 COOLER	B1111-C70600	B171-C46400	JAPAN	1	4 SETS	2020
2019-9	JERA CO., INC.	MITSUBISHI HITACHI POWER SYSTEMS	JERA TAKETOYO-5 TPP / H2 COOLER	B1111-C70600	B171-C46400	JAPAN	1	4 SETS	2020
2019-10	JACKSON GENERATION	MITSUBISHI HITACHI POWER SYSTEMS	XJAX-1,2 / H2 COOLER	B1111-C70600	B171-C46400	U.S.A	1	8 SETS	2020
2020-1	POWER SOUTH ENERGY COOPERATIVE	MITSUBISHI HITACHI POWER SYSTEMS	XPSL- STG / H2 COOLER	B1111-C70600	B171-C46400	U.S.A	1	2 SETS	2020
2020-2	POWER SOUTH ENERGY COOPERATIVE	MITSUBISHI HITACHI POWER SYSTEMS	XPSL- GTG / H2 COOLER	B1111-C70600	B171-C46400	U.S.A	1	2 SETS	2020
2020-3	MARIM AZUL	MITSUBISHI HITACHI POWER SYSTEMS	XMAZ / H2 COOLER	B1111-C70600	B171-C46400	BRAZIL	1	2 SETS	2020
2020-4	GCC ELECTRICAL TESTING LABORATORY	MITSUBISHI HITACHI POWER SYSTEMS	XGCC / AIR COOLER	B1111-C70600	B171-C46400	U.A.E	1	2 SETS	2020
2020-5	TERMOCANDELARIA POWER	MITSUBISHI HITACHI POWER SYSTEMS	XTCN / H2 COOLER	B1111-C70600	B171-C46400	COLUMBIA	1	2 SETS	2020
2020-6	RELANCE POWER	TOSHIBA	XVVP-1,2 / H2 COOLER	B1111-C70600	A516-70	BANGLADESH	1	8 SETS	2021

Experience List (for Gland Steam Condenser)

JOB No	END USER	CONTRACTOR	PROJECT Name / ITEM Name	Tube / T.S Material	Design pressure (Shell / Tube)	Tube Joint	LOCATION	ITEM	QTY	DELIVERY
2017-1	KOREA HYDRO & NUCLEAR POWER	DOOSAN HEAVY INDUSTRIES	SHINGORI #6 / GLAND STEAM CONDENSER (FAN BLOWER EXHAUST TYPE)	SUS304 / C.S	0.69 / 42.7 bar.g	Expand W/ 2 groove	KOREA	1	1 UNIT	2019
2017-2	KOREA HYDRO & NUCLEAR POWER	DOOSAN HEAVY INDUSTRIES	SHINGORI #6 / GLAND STEAM CONDENSER (FAN BLOWER EXHAUST TYPE)	SUS304 / C.S	0.69 / 42.7 bar.g	Expand W/ 2 groove	KOREA	1	1 UNIT	2019
2017-3	LOTTE CHEMICAL	HYOSUNG / JAEWOO	LCC H-NC3 / GLAND STEAM CONDENSER (EJECTOR EXHAUST TYPE)	AL-BRASS / C.S	10 / 8 bar.g	Expand W/ 2 groove	KOREA	1	1 UNIT	2019
2017-4	KOREA MIDLAND POWER	DOOSAN HEAVY INDUSTRIES	BORYEONG #3 / GLAND STEAM CONDENSER (FAN BLOWER EXHAUST TYPE)	SUS304 / C.S	0.35 / 17 bar.g	Expand W/ 2 groove	KOREA	1	1 UNIT	2018
2017-5	KOREA MIDLAND POWER	DOOSAN HEAVY INDUSTRIES	SHIN SEOCHUN / GLAND STEAM CONDENSER (FAN BLOWER EXHAUST TYPE)	SUS304 / C.S	0.35 / 17 bar.g	Expand W/ 2 groove	KOREA	1	1 UNIT	2018
2017-6	SK E&C	DOOSAN HEAVY INDUSTRIES	GOSUNG / GLAND STEAM CONDENSER (FAN BLOWER EXHAUST TYPE)	SUS304 / C.S	0.35 / 17 bar.g	Expand W/ 2 groove	KOREA	1	1 UNIT	2019
2018-1	CAIRO WEST POWER PLANT	DOOSAN HEAVY INDUSTRIES	CAIRO WEST / GLAND STEAM CONDENSER (FAN BLOWER EXHAUST TYPE)	SUS304 / C.S	0.35 / 45 bar.g	Expand W/ 2 groove	EGYPT	1	1 UNIT	2018
2018-2	ASSUIT POWER PLANT	DOOSAN HEAVY INDUSTRIES	ASSUIT POWER PLANT / GLAND STEAM CONDENSER (FAN BLOWER EXHAUST TYPE)	SUS304 / C.S	0.35 / 46 bar.g	Expand W/ 2 groove	EGYPT	1	1 UNIT	2018
2019	KOREA ZINC	FUJII ELECTRIC	KOREA ZINC / GLAND STEAM CONDENSER (EJECTOR EXHAUST TYPE)	SUS304 / C.S	0.1 / 42.7 bar.g	Expand W/ 2 groove	KOREA	1	1 UNIT	2020

Experience List (for Ejector Condenser and Ejector)

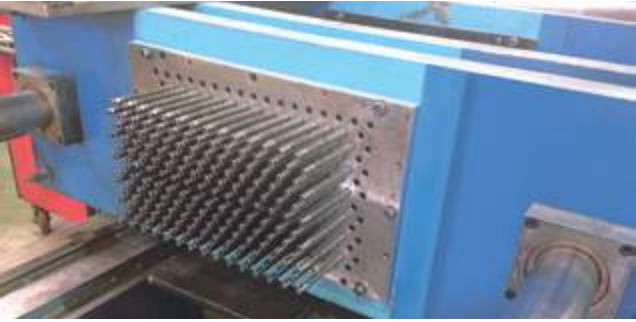
JOB No	END USER	CONTRACTOR	PROJECT Name / ITEM Name	LOCATION	ITEM	Q'TY	DELIVERY
2016-1	SOUMA	ING CORP.	SOUMA PJT / STEAM JET EJECTOR	JAPAN	3	2 UNIT	2016
2016-2	HIBIKINADA	ING CORP.	HIBIKINADA PJT / STEAM JET EJECTOR	JAPAN	3	2 UNIT	2016
2016-3	KAMIYOSHI	ING CORP.	KAMIYOSHI PJT / STEAM JET EJECTOR	JAPAN	3	2 UNIT	2017
2016-4	HIBIKINADA	ING CORP.	HIBIKINADA PJT / STEAM JET EJECTOR	JAPAN	3	2 UNIT	2017
2017-1	TPS	ING CORP.	TPS PJT / STEAM JET EJECTOR	JAPAN	3	1 UNIT	2017
2017-2	ADGAS	ING CORP.	ADGAS PJT / GLAND STEAM EJECTOR	JAPAN	1	1 UNIT	2017
2017-3	KHI	ING CORP.	KHI PJT / GLAND STEAM EJECTOR	JAPAN	3	1 UNIT	2017
2017-4	MAIDURU KIRAKU KOGYO	ING CORP.	TONICHI KIKAI / EJECTOR CONDENSER	JAPAN	1	1 UNIT	2018
2018-1	TORAY	ING CORP.	TORAY / STEAM JET EJECTOR	JAPAN	3	2 UNIT	2018
2018-2	TONICHI KIKAI	ING CORP.	YOSHIMINE / EJECTOR CONDENSER	JAPAN	2	1 UNIT	2019

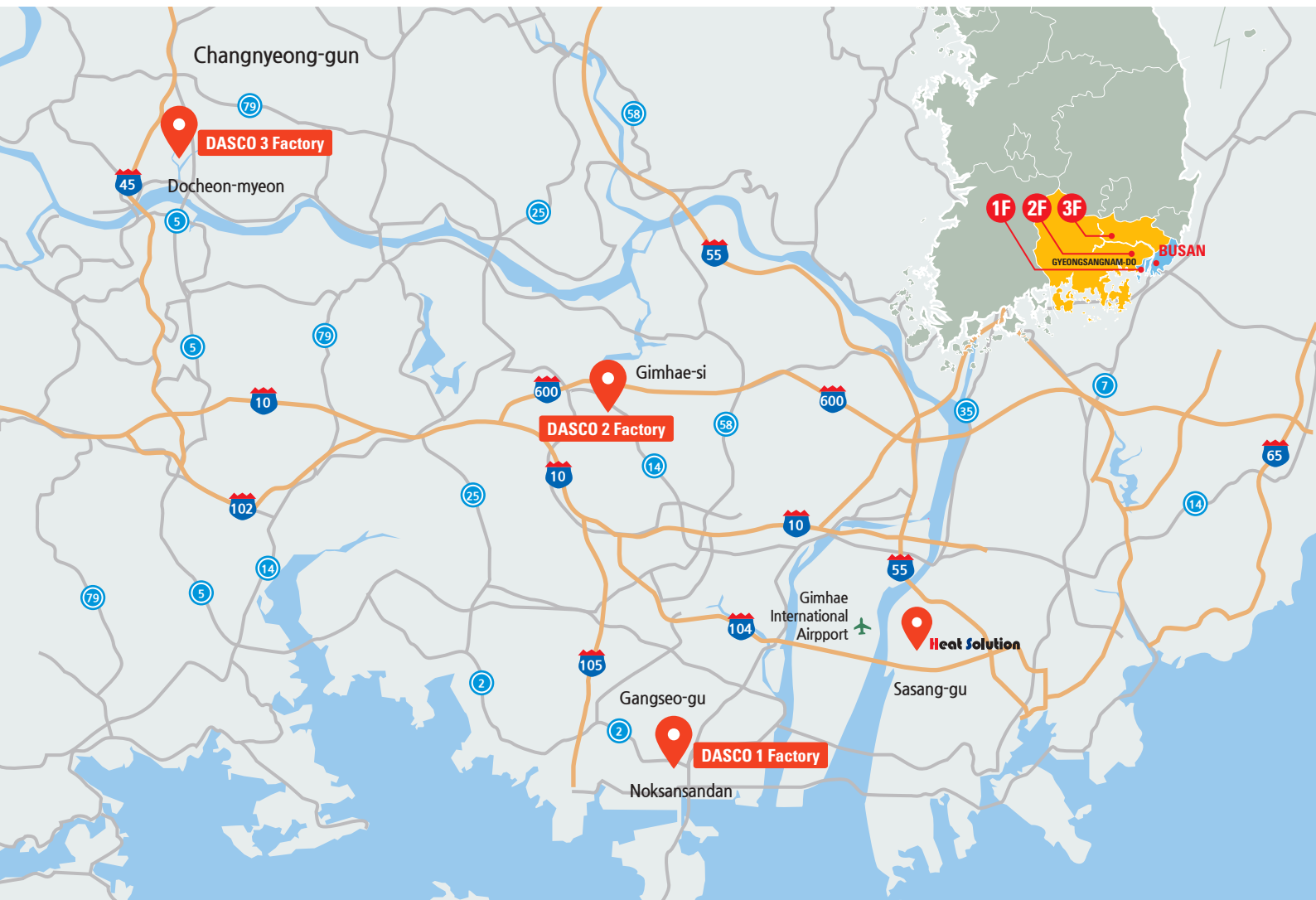
Experience List (for Steam Air Heater)

JOB No	END USER	CONTRACTOR	PROJECT Name / ITEM Name	LOCATION	ITEM	Q'TY	DELIVERY
2011-3	KOLON INDUSTRIES	KOLON INDUSTRIES	KYUNSAN FACTORY / STEAM AIR HEATER	KOREA	1	5 UNIT	2011
2011-5	KOLON INDUSTRIES	KOLON INDUSTRIES	FBK-3 TD P1 / STEAM AIR HEATER	KOREA	1	1 UNIT	2011
2011-6	JAPAN STEEL WORKS	JAPAN STEEL WORKS	MA108341, 110228 / STEAM AIR HEATER	JAPAN	2	120 UNIT	2011
2012-1	KOLON INDUSTRIES	KOLON INDUSTRIES	FBK-1 / STEAM AIR HEATER	KOREA	1	1 UNIT	2012
2012-2	JAPAN STEEL WORKS	JAPAN STEEL WORKS	MA108341, 110228 / STEAM AIR HEATER	JAPAN	2	28 UNIT	2012
2012-3	HITACHI PLANT TECHNOLOGIES	HITACHI PLANT TECHNOLOGIES	KP YEP-IV / STEAM AIR HEATER	KOREA	1	1 UNIT	2013
2013-1	KOLON INDUSTRIES	KOLON INDUSTRIES	KYUNSAN FACTORY / STEAM AIR HEATER	KOREA	1	5 UNIT	2013
2013-2	KOLON INDUSTRIES	KOLON INDUSTRIES	FB-1,2,3 TD / STEAM AIR HEATER	KOREA	3	1 UNIT	2013
2013-3	JAPAN STEEL WORKS	JAPAN STEEL WORKS	MA138111/113, 28344/46, 120347 / STEAM AIR HEATER	JAPAN	5	160 UNIT	2013, 14
2013-4	HITACHI PLANT TECHNOLOGIES	HITACHI PLANT TECHNOLOGIES	KP YEP-V / STEAM AIR HEATER	KOREA	1	1 UNIT	2014
2014-1	JAPAN STEEL WORKS	JAPAN STEEL WORKS	MA148195/96, 138282, 138279, 138280 / STEAM AIR HEATER	JAPAN	5	147 UNIT	2014, 15
2015-1	JAPAN STEEL WORKS	JAPAN STEEL WORKS	MA148210/11, PA9613260010 / STEAM AIR HEATER	JAPAN	5	76 UNIT	2015
2016-1	KOREA SOUTH-EAST POWER	DOOSAN HEAVY INDUSTRIES	YEONG DONG THERMAL PP / HOT WATER AIR HEATER	KOREA	1	1 UNIT	2016
2017-1	KOLON INDUSTRIES	KOLON INDUSTRIES	FBK-3,4 / STEAM AIR HEATER	KOREA	1	2 UNIT	2017
2017-2	KOLON INDUSTRIES	KOLON INDUSTRIES	FBK-1,2 / STEAM AIR HEATER	KOREA	1	2 UNIT	2017
2017-3	KOLON INDUSTRIES	KOLON INDUSTRIES	ST-2 POLYMERIZATION ANTI STICKER / AIR HEATER	KOREA	1	1 SET	2017
2017-4	KOLON INDUSTRIES	KOLON INDUSTRIES	FBK-1 / STEAM AIR HEATER	KOREA	1	2 UNIT	2017
2019	KOLON INDUSTRIES	KOLON INDUSTRIES	FBK-1,2 / STEAM AIR HEATER	KOREA	1	2 UNIT	2020

Experience List (for Pressure Vessel)

JOB No	END USER	CONTRACTOR	PROJECT Name / ITEM Name	Material	Design pressure	LOCATION	ITEM	QTY	DELIVERY
2015-1	NINGBO FORTUNE P.D.H	MISUZU Industrial Corporation	NINGBO FORTUNE P.D.H / BOOSTER CHAMBER & GAS FILTER	SUS304	37 bar.g	CHINA	6	6 UNIT	2015
2015-2	PARKER TECHNO	PARKER TECHNO	FX349 / CONTROL OIL FILTER	SUS304	10 bar.g	JAPAN	1	1 UNIT	2015
2015-3	KUWAIT NATIONAL PETROLEUM COMPANY	MISUZU Industrial Corporation	KNPC CLEAN FUEL / DRAIN POT	SUS316L	114 bar.g	KUWAIT	1	3 UNIT	2015
2015-4	PETROLEU MEXICANOS	MISUZU Industrial Corporation	SALAMANCA ULSD / DRAIN POT	SUS316	110 bar.g	MEXICO	1	1 UNIT	2015
2015-5	PARKER TECHNO	PARKER TECHNO	KOREA / OIL FILTER	Carbon Steel	10 bar.g	KOREA	1	1 UNIT	2015
2015-6	KUWAIT NATIONAL PETROLEUM COMPANY	MISUZU Industrial Corporation	KNPC CLEAN FUEL / N2 GAS FILTER	SUS316L	10 bar.g	KUWAIT	1	6 UNIT	2015
2015-7	PETROLEU MEXICANOS	MISUZU Industrial Corporation	SALAMANCA ULSD / N2 GAS FILTER	SUS316	13 bar.g	MEXICO	1	2 UNIT	2015
2015-8	HYUNDAI CHEMICAL CO., LTD	MISUZU Industrial Corporation	HDC MX LLI P/T / DRAIN POT	SUS316	30 bar.g	KUWAIT	1	8 UNIT	2015
2015-9	KUWAIT NATIONAL PETROLEUM COMPANY	MISUZU Industrial Corporation	KNPC CLEAN FUEL / N2 GAS FILTER, DRAIN POT, BOOSTER POT	SUS316L	44 bar.g	KUWAIT	3	2 UNIT	2015
2016-1	FORMOSA PLASTICS CORP.	KOBE STEEL, LTD.	FORMOSA / LO OVERHEAD TANK	SUS304	7 bar.g	TAIWAN	1	1 UNIT	2016
2016-2	CCD(SINGAPORE) PTE.	TSURUMI PUMP	CCD SINGAPORE / SEPARATOR TANK	SUS316L	8 bar.g	SINGAPORE	2	1 UNIT	2016
2016-3	KOLON INDUSTRIES	KOLON INDUSTRIES	BX POLY #4 / MIST CATCHER	SUS304	10 bar.g	KOREA	1	1 UNIT	2016
2016-4	PARKER TECHNO	PARKER TECHNO	KOREA / DUPLEX OIL FILTER	Carbon Steel	10 bar.g	KOREA	1	1 UNIT	2016
2016-5	YANFAN COG	MISUZU Industrial Corporation	YANFAN COG / GAS FILTER & DRAIN POT (ASME STAMP)	SUS304	20 bar.g	CHINA	6	7 UNIT	2016
2016-6	KUWAIT NATIONAL PETROLEUM COMPANY	MISUZU Industrial Corporation	SINOPEC KNPC / DRAIN POT & BOOSTER POT (ASME STAMP)	SUS316L	10.3 bar.g	KUWAIT	2	2 UNIT	2016
2016-7	D.S.M.E	KOBE STEEL, LTD.	BOG BOOSTING COMP. / PRESSURE VESSEL	Carbon Steel	167 bar.g	KOREA	8	1 UNIT	2017
2017-1	HYUNDAI HEAVY INDUSTRIES	KOBE STEEL, LTD.	HHIPARDUS / PRESSURE VESSEL	Carbon Steel	105 bar.g	KOREA	6	6 UNIT	2017
2017-2	OL TIN YOL GTL	KOBE STEEL, LTD.	UZBEKISTAN GAS TO LIQUID / PRESSURE VESSEL	C.S / SUS316	10 bar.g	UZBEKISTAN	11	24 UNIT	2017
2017-3	POSCO	MISUZU Industrial Corporation	COG BOOSTER FOR POSCO POHANG STEEL WORKS / OIL TANK	Carbon Steel	5.8 bar.g	KOREA	1	1 UNIT	2018
2017-4	OL TIN YOL GTL	KOBE STEEL, LTD.	UZBEKISTAN GAS TO LIQUID / DRAIN POT	Carbon Steel	2 bar.g	UZBEKISTAN	6	12 UNIT	2018
2018-1	ORIENTAL ENERGY NEW MATERIAL CO.,LTD	MISUZU Industrial Corporation	U-3980-2 / GAS FILTER, DRAIN POT	Stainless Steel	34 bar.g	CHINA	9	12 UNIT	2018
2018-2	KOGAS	ATLAS COPCO - AMERICA	KOGAS / DAMPER & BLOCK	Stainless Steel	14 bar.g	KOREA	1	4 UNIT	2018
2018-3	THAILAND PETROCHEMICAL PLANT	KOBE STEEL, LTD.	SECL PTTGC(VGB93) / OIL HEAD TANK	Stainless Steel	7.8 bar.g	THAILAND	2	3 UNIT	2019
2018-4	GCGV ASSET HOLDING, LLC	KOBE STEEL, LTD.	N224 CMI / RUNDOWN TANK	Stainless Steel	7.2 bar.g	U.S.A	2	3 UNIT	2019
2019-1	ISU CHEMICAL	HOWDEN	H2S DIAPHRAGM COMP	Stainless Steel	10 bar.g	KOREA	4	2 UNIT	2019
2019-2	-	HANWHA POWER SYSTEMS	AM PROJECT / SEPARATOR	Carbon Steel	9.9 bar.g	KOREA	3	3 UNIT	2019
2019-3	SK E&C	HANWHA POWER SYSTEMS	S PROJECT / MOISTURE SEPARATOR	Carbon Steel	9.71 bar.g	KOREA	1	4 UNIT	2019
2019-4	-	IHI ROTATING MACHINERY	3051-X06(F) JAPAN / DEMISTER TANK	Carbon Steel	9.9 bar.g	JAPAN	1	1 UNIT	2019
2019-5	GS CALTEX	HANWHA POWER SYSTEMS	YEOSU NO.2 COMPLEX / SEPARATOR	Carbon Steel	9.6 bar.g	KOREA	3	1 UNIT	2019
2019-6	MITSUI CHEMICALS	KOBE STEEL	MELS DEBOTTLENECKING / SUC & DIS. SNUBBER & SEPARATOR	Carbon Steel	13 bar.g	JAPAN	3	1 UNIT	2019
2019-7	MITSUI CHEMICALS	KOBE STEEL	MELS DEBOTTLENECKING / SUC. SEPARATOR & SNUBBER	Carbon Steel	3.6 bar.g	JAPAN	2	1 UNIT	2019
2019-8	MITSUI CHEMICALS	KOBE STEEL	MELS DEBOTTLENECKING / SUC. SEPARATOR & SNUBBER	Carbon Steel	46 bar.g	JAPAN	1	1 UNIT	2018
2019-9	HYUNDAI OIL BANK	MISUZU Industrial Corporation	HDO REVAMP / GAS FILTER	Stainless Steel	99 bar.g	KOREA	1	1 UNIT	2019
2019-10	HYUNDAI OIL BANK	MISUZU Industrial Corporation	HDO REVAMP / GAS FILTER & DRAIN POT	Stainless Steel	288 bar.g	KOREA	2	1 UNIT	2019
2019-11	TOYO INKGCC	KOBE STEEL	IPP 650 KTA LLDPE / RUNDOWN TANK	Stainless Steel	7.5 bar.g	RUSSIA	1	1 UNIT	2019
2019-12	D.S.M.E	KOBE STEEL	MARAN GAS 174,000 CBM LNGC (X-DF) / 1ST DIS. DAMPER	Carbon Steel	55 bar.g	-	1	5 UNIT	2018
2019-13	D.S.M.E	KOBE STEEL	MARAN GAS 174,000 CBM LNGC (X-DF) / SUC. DAMPER & CHARCOL FILTER	Carbon Steel	16 bar.g	-	1	5 UNIT	2018
2019-14	D.S.M.E	KOBE STEEL	MARAN GAS 174,000 CBM LNGC (X-DF) / 2ND SUC. DAMPER	Carbon Steel	5.5 bar.g	-	1	5 UNIT	2018
2019-15	D.S.M.E	KOBE STEEL	MARAN GAS 174,000 CBM LNGC (X-DF) / 3RD DIS. DAMPER & OIL DETECTOR	Carbon Steel	170 bar.g	-	1	5 UNIT	2018
2019-16	LONG SON PETROCHEMICALS	KOBE STEEL	VIETNAM LSP HDPE/PP / SEAL GAS DRAIN POT	Stainless Steel	24.5 bar.g	VIETNAM	1	1 UNIT	2020





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