

SPICO CORPORATION

스피코주식회사

Since 1988



COMPANY INTRODUCTION



Address: 909-43, Seobu-Ro, Jillye-Myeon, Gimhae-Si, Gyeongnam
50876 KOREA

주 소: 50876 경상남도 김해시 진례면 서부로 909-43

TEL: +82-55-342-9222

FAX: +82-55-342-9228

<http://www.spico.co.kr>

E-mail: swpi@spico.co.kr

INDEX

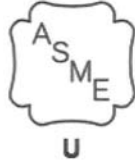
Contents	Page
I. History	3
II. Certificates of Qualification	4
III. Organization and Service Division	12
IV. Company Outline	13
V. Principal Manufacturing Equipment	16
VI. Principal Inspection and Testing Equipment	17
VII. Products delivered – Representative Pictures	18
VIII. Product Experience List <ul style="list-style-type: none"><li data-bbox="347 1032 879 1070">☞ Pressure vessel, Heat Exchanger<li data-bbox="347 1106 954 1144">☞ Lube Oil Unit, Hydro Unit, Duplex Filter	33

I. HISTORY

- 2016. 04 Acquired OHSAS 18001 certificates
- 2015. 12 Awarded 5 million dollars trophy by Korea Trade Association
- 2015. 10 6th renewal of ASME “U”, “S”, “PP” designator
- 2014. 12 RINA Workshop Approval for Heat Exchanger
- 2013. 11 Awarded 3 million dollars trophy by Korea Trade Association
- 2012. 11 5th renewal of ASME “U”, “S”, “PP” stamps
- 2012. 04 No.2 factory completion April 2012
(Grounds: 3861 m², Floorage: 2070 m²)
- 2012. 01 WPS Approved by Class Society (ABS, BV, GL, DNV, KR, LR, NK, RINA)
- 2009. 12 Promising Export Firm by the Small & Medium Business Administration
- 2009. 10 4th renewal of ASME “U”, “S” stamps
- 2009. 10 Awarded 1 million dollars trophy by Korea Trade Association
- 2009. 10 Established Company R&D Center
- 2009. 01 Company name changed as the current name, SPICO Corporation
- 2007. 05 Acquired ISO 9001 / 14001 certificates
- 2006. 11 3rd renewal of ASME “U”, “S”, and “UM” stamps
- 2006. 09 Specific facilities manufacturing registration by KGSC
- 2004. 06 Moved to current location (Grounds: 3240m², Floorage: 2007m²)
#134-3, Sanbon-ri, Jillye-myeon, Gimhae-Si, Gyeongnam, Korea
- 2003. 06 Selected as an INNO-BIZ (the Small Business Corporation)
- 2002. 07 Certified Venture Company
- 1999. 11 Acquired ASME “U”, “S”, and “UM” stamps
- 1998. 07 Registered as a power generation equipment supplier
(Nuclear & Hydroelectric) by Doosan heavy Industries Co., Ltd.
- 1994. 12 Moved to extend factory(Grounds 1,620m², Floorage 518m²)
Jeonggwang-myeon, Gijang-gun, Busan, Korea
- 1994. 06 Developed high performance inter coolers & after coolers
for air (gas) cooling cross in tube type (tube in gas type)
- 1990. 11 Company name changed SOOWOON PRECISION IND. CO., LTD.
- 1989. 10 Manufactured small and medium size of oil coolers (3B~6B, 8B~10B)
- 1988. 07 Establish Hanil Industry Company

II. CERTIFICATE OF QUALIFICATION

The American Society of Mechanical Engineers



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:

SPICO Corporation
#909-43, Seobu-ro Jillye-myeon
Gimhae-si, Gyeongsangnam-do 50876
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)

AUTHORIZED: **October 30, 2015**
EXPIRES: **November 12, 2018**
CERTIFICATE NUMBER: **32,246**


Board Chair, Conformity Assessment


Director, Conformity Assessment



II. CERTIFICATE OF QUALIFICATION

The American Society of Mechanical Engineers



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:

SPICO Corporation
#909-43, Seobu-ro Jillye-myeon
Gimhae-si, Gyeongsangnam-do 50876
Republic of Korea

SCOPE:

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

AUTHORIZED: **October 30, 2015**

EXPIRES: **November 12, 2018**

CERTIFICATE NUMBER: **32,245**


Board Chair, Conformity Assessment


Director, Conformity Assessment



II. CERTIFICATE OF QUALIFICATION

The American Society of Mechanical Engineers



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:

SPICO Corporation
#909-43, Seobu-ro Jillye-myeon
Gimhae-si, Gyeongsangnam-do 50876
Republic of Korea

SCOPE:

Fabrication and assembly of pressure piping at the above location and field sites controlled by the above location

AUTHORIZED: **October 30, 2015**
EXPIRES: **November 12, 2018**
CERTIFICATE NUMBER: **44,481**


Board Chair, Conformity Assessment


Director, Conformity Assessment



II. CERTIFICATE OF QUALIFICATION

G-CERTI Certificate

G-CERTI hereby certifies that

SPICO CORPORATION

909-43, Seobu-ro, Jillye-myeon, Gimhae-si, Gyeongsangnam-do, Korea.

Has been audited by G-CERTI and has implemented

Occupational Healthy and Safety Management System

OHSAS 18001:2007

Scope of Registration

**DESIGN, DEVELOPMENT, MANUFACTURE,
INSTALLATION AND SERVICE OF
INDUSTRIAL MACHINERY PARTS
(HEAT EXCHANGER & PRESSURE VESSEL ETC.)**

EA Code : 18
Issue Date : 25 Apr. 2016
Expiry Date : 24 Apr. 2019
Original Date : 25 Apr. 2016
Certification No : GKC- 0108 - OHC


Chief Executive



To verify the validity of this certificate please visit : www.gcerti.com
This is to certify that the Management Systems of this company has been found to confirm to the above G-CERTI FI-12-03



G-CERTI 15F, #88, Eunpyeong-ro, Eunpyeong-gu, Seoul, Korea / www.gcerti.com

II. CERTIFICATE OF QUALIFICATION

G-CERTI Certificate

G-CERTI hereby certifies that

SPICO CORPORATION

909-43, Seobu-ro, Jillye-myeon, Gimhae-si, Gyeongsangnam-do, Korea.

Has been audited by G-CERTI and has implemented

Quality Management System

ISO 9001:2008

Scope of Registration

**DESIGN, DEVELOPMENT, MANUFACTURE, INSTALLATION
AND SERVICE OF INDUSTRIAL MACHINERY PARTS
(HEAT EXCHANGER & PRESSURE VESSEL ETC.)**

EA Code	:	18
Issue Date	:	08 Jul. 2016
Expiry Date	:	09 Jul. 2019
Original Date	:	09 Jul. 2010
Certification No	:	GKC- 0108 - QC


Chief Executive



To verify the validity of this certificate please visit : www.gcerti.com
This is to certify that the Management Systems of this company has been found to confirm to the above G-CERTI FI-12-03



MEMBER OF MULTILATERAL
IAF
RECOGNITION ARRANGEMENT



IAS
ACCREDITED
Management
Systems
Certification Body
MSCB-113



G-CERTI
SYSTEM SERVICE
Quality
Management System

G-CERTI 15F, #88, Eunpyeong-ro, Eunpyeong-gu, Seoul, Korea / www.gcerti.com

II. CERTIFICATE OF QUALIFICATION

G-CERTI Certificate

G-CERTI hereby certifies that

SPICO CORPORATION

909-43, Seobu-ro, Jillye-myeon, Gimhae-si, Gyeongsangnam-do, Korea.

Has been audited by G-CERTI and has implemented

Environmental Management System

ISO 14001:2004

Scope of Registration

**DESIGN, DEVELOPMENT, MANUFACTURE, INSTALLATION
AND SERVICE OF INDUSTRIAL MACHINERY PARTS
(HEAT EXCHANGER & PRESSURE VESSEL ETC.)**

EA Code : 18
Issue Date : 08 Jul. 2016
Expiry Date : 09 Jul. 2019
Original Date : 09 Jul. 2010
Certification No : GKC- 0108 - EC


Chief Executive



To verify the validity of this certificate please visit : www.gcerti.com
This is to certify that the Management Systems of this company has been found to confirm to the above G-CERTI FI-12-03



G-CERTI 15F, #88, Eunpyeong-ro, Eunpyeong-gu, Seoul, Korea / www.gcerti.com

II. CERTIFICATE OF QUALIFICATION



Gimhae for You

처리부서	경제진흥과
담당자	공업8 김철호
전화번호	055)330-3436

제 25 호

특정설비제조등록필증

①사업의종류	특정설비제조등록		
②상호	스피코(주)		
③사업소소재지	경남 김해시 진례면 산본리 134-3번지		
④성명(대표자)	이성민	⑤주민등록번호	
⑥특정설비	종류	규격	
	저장탱크 압력용기		

「고압가스안전관리법」 제5조 제1항의 규정에 의하여 특정설비 제조등록을 필하였으므로 이에 특정설비제조 등록필증을 교부합니다

※ 최초 등록일자 : 2006. 8. 29

2009년 2월 6일

김 해 시



< KGS (Korea Gas Safety Corporation) for High Pressure Gas Safety Control Law >

II. CERTIFICATE OF QUALIFICATION



WORKSHOP APPROVAL STATEMENT
No. REC130514PU

Further the ascertainment carried out and based on the documentation submitted, RINA hereby declares that:

<i>Description</i>	Workshop Approval
<i>Type</i>	HEAT EXCHANGER IN GENERAL
<i>Manufacturer</i>	SPICO CORPORATION
<i>Place of manufacture</i>	134-3 SANBON-RI, JILLYE-MYEON 621-882 GIMHAE-SI, GYEONGSANGNAM-DO REPUBLIC OF KOREA
<i>Reference standards</i>	

On the basis of the proofs of the qualification level and experience, upon satisfactory outcome of the inspection carried out at the Company facilities and following the review of the relevant work procedures and instructions, the recognition as APPROVED WORKSHOP has been granted to the Company, in compliance with the RINA Rules for the Classification of Ships.

Issued in **BUSAN** on **December 17, 2014**. This Certificate is valid until **December 16, 2017**



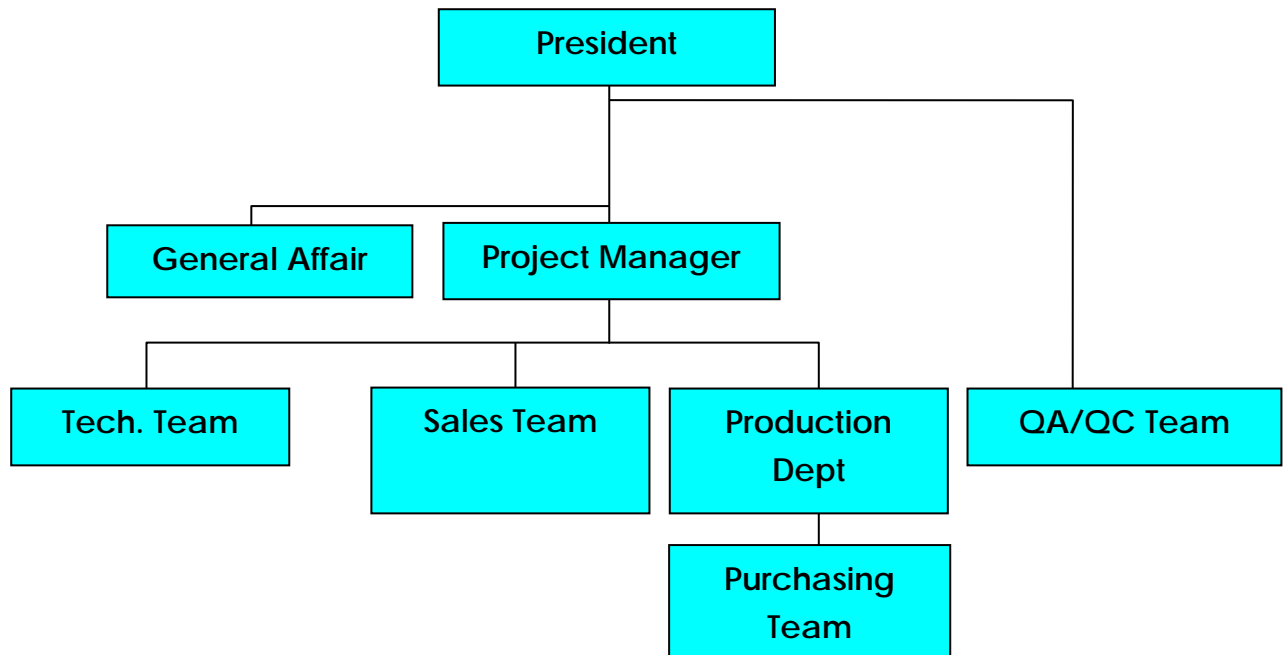
RINA Services S.p.A.
Dong-Hun Lee

This certificate consists of this page and 1 enclosure

RINA Services S.p.A.
Via Corsica, 12 - 16128 Genova
Tel +39 010 53851
Fax +39 010 5351000

III. ORGANIZATION AND SERVICE DIVISION

ORGANIZATION CHART



SERVICE DIVISION

Department	Responsibilities	No. of person
Project Manager (<i>PM</i>)	Project management	1
General Affairs Team	Personnel/Accounting management, Safety supervision	2
Sales Team	Receive an order and External control	3
Production Dep't	Manufacture/Manufacturing control Self-inspection	28
Tech. Team	Design and engineering documents, Specification, MPS, POR, and WPS PQR	6
Purchasing Team	Purchase and control of materials and customer's supplies	2
QA/QC Team	Test & Inspection / Certification Welder test / Control NDE	4
		46

IV. COMPANY OUTLINE

1. Facility

- Date of Establishment : July 1988
- Capital : 485,000,000KWR
- Factory capacity
 - ✓ No. 1 Factory: Grounds 3,240㎡ , Work shop: 2,007㎡
 - ✓ No. 2 Factory: Grounds 3,861㎡ , Work shop: 2,070㎡
- Restriction of transportation : 6m(W) X 4.5m(H) X 15m(L)
- Shipping facility : Truck
- Name of shipping port : Busan port, Masan port
- Distance: 35km

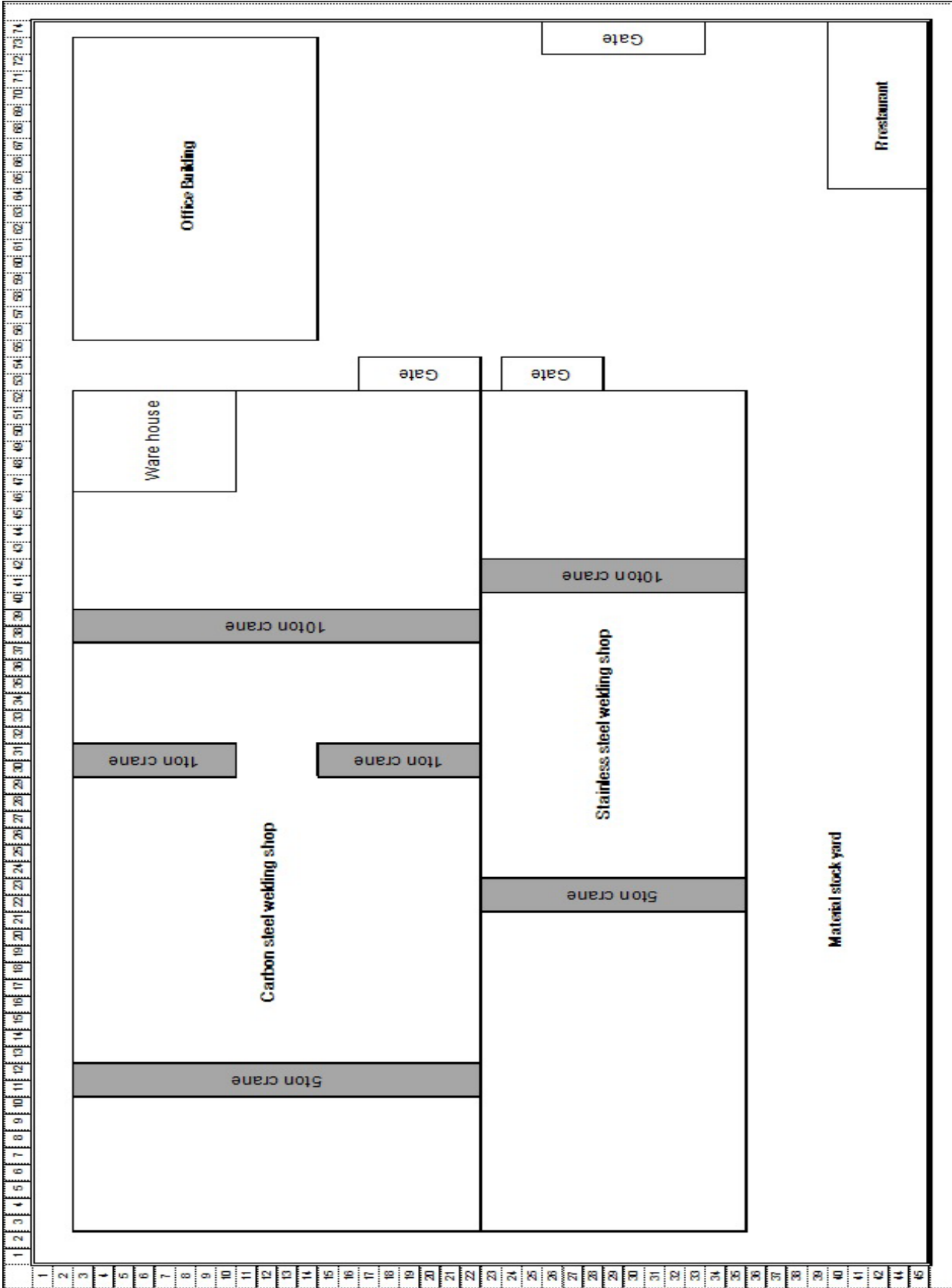
2. Experienced material and capacity

- Handling weight: Max. 60ton
- Size: Max. 6m(W) X 5.5m(H) X 15m(L)
- Material :
 - Carbon steel: SA516-60/70, SA106, SA105 etc.
 - Stainless steel: SA240-304/304L, 316/316L etc.
 - Non ferrous: Copper & Copper alloy
- Pressure testing: Max. 32MPa

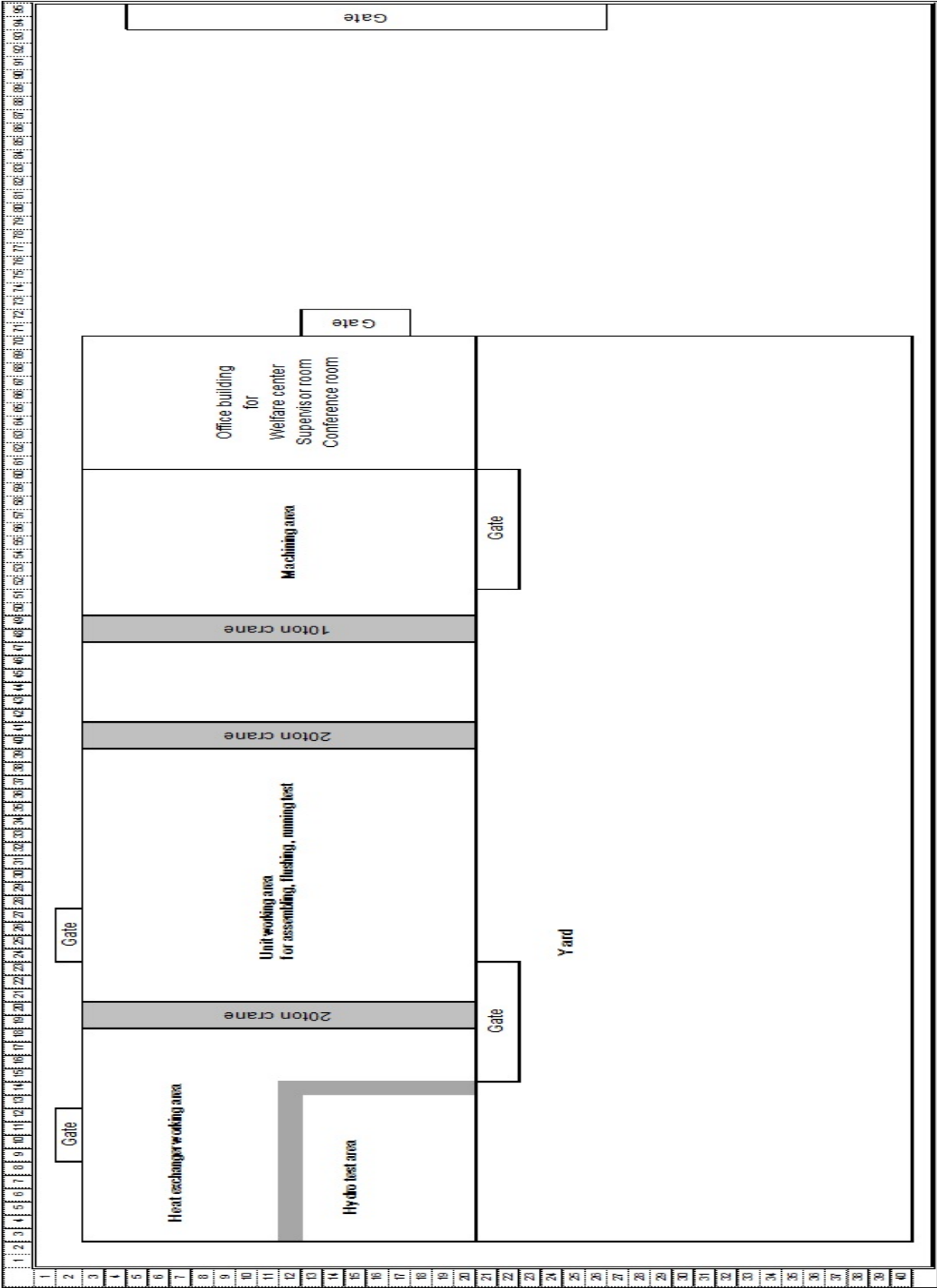
3. Major customer



IV. COMPANY OUTLINE (Layout of No.1 Factory)



IV. COMPANY OUTLINE (Layout of No.2 Factory)



V. PRINCIPAL MANUFACTURING EQUIPMENT

Equipment & Size	Maker	Q'ty
Machining center MYNX-6500	Doosan Infracore Co., Ltd.	1
Machining center AJV-18	Hyundai Precision Ind. Co., Ltd.	1
Lathe 580×1800L	Hwacheon Machinery Co., Ltd.	1
Lathe 400×1050L	Tongil Co., Ltd.	1
Radial DRD-1500	Doosan Mecatec Co., Ltd.	3
Air plasma cutter DWP-100S	Doosan Infracore Co., Ltd.	3
Sub. arc welder 1,000A	Lincoln	1
TIG welder 500A	Daelim MEC Co., Ltd.	10
MIG welder 500A	Pro-Tech Co., Ltd.	1
Co2 & TIG welder 600A.	Doosan Infracore Co., Ltd.	10
ARC welder 10kw/20kw	Daelim MEC Co., Ltd.	2
Welding Turn Table 10Hp.	Jeil Machinery & Electronic Co., Ltd.	3
Turning Machine 50ton	SPICO Corporation	3
Turing Machine 5Hp	SPICO Corporation	3
Positioner 1.5ton	SPICO Corporation	1
Positioner 3ton	SPICO Corporation	3
Air Compressor 15Hp	Hanshin Machinery Co., Ltd.	4
Over Head Crane 20 / 10ton	Bando Hoist Co., Ltd.	2/1
Gantry Crane 10 / 5ton	Hyundai Hoist Co., Ltd.	2/2
Painting installation	SPICO Corporation	1
Magnetic Drill	Kyesung Magnetic	1
Tube Expander Rolling M/C	Sugino M/C Ltd.	3
Grooving Tools	Sugino M/C Ltd.	5
Low Finned Tube Rolling M/C	SPICO Corporation	5
Pressure Test Stand	SPICO Corporation	2
Pipe Cutting 1/2" ~ 6"	AXXAIR	1
Pipe Threading machine	Kangsung Machinery	1

VI. PRINCIPAL INSPECTION & TESTING INSTRUMENT

Instrument	Specification	Q'ty
Holiday(Pin hole) tester	0-30kV	1
Videoscope	FLIR	1
Surface roughness tester	0-1000 μm	1
Coating thickness gauge	0 ~ 500 μm (Fe/N-Fe)	1
Profile projector(PJ-300)	Optic measurement	1
Control valve controller	5-controller 4-20mA, RTD 0~100	1
DC motor controller	160A, 55kW	1
AC motor switch over controller	75kW	1
Unit operation panel	110kW (60/50Hz)	1
Digital data logger	10packet per sec. Pressure, Electricity	1
Flow Indicator	6,666 ℓ/min	1
Flow Indicator	666 ℓ/min	1
Auto transformer	620kVA (380V,400V,420V,460V,480V)	1
Inverter	130kW, 37kW	2
Sound level meter	28dB ~ 130dB	1
Vibration meter	0 μm ~ 200 μm	1
Lubricant test unit	Performance & Flushing	2
Digital tachometer	RPM Measurement	1
Digital thermometer	-200 $^{\circ}\text{C}$ ~ 1500 $^{\circ}\text{C}$	1
Data logger thermometer	-200 $^{\circ}\text{C}$ ~ 1370 $^{\circ}\text{C}$	1
3 Point micro meter	10~12mm, 12~16mm, 16~20mm	3
Outside micro meter	0 - 150mm, 150 - 300mm, 0 ~ 25 mm	3
Pneumatic tester	45kgf/cm ² G	1
Dial gauge(0.001mm)	Circle measurement	1
Inside micro meter	5 ~ 30mm	1
Hydro tester	750kgf/cm ² G , 350kgf/cm ² G	2
N2 gas measurement tester	0~100%	1
Transit	Level measurement	1
Ultra sonic thickness tester	1.0mm ~ 225mm	1
Oil dead weight tester	0.049MPa ~ 4.9MPa	1
Dead weight	0.098 ~ 9.807MPa	1
Megger	Insulation resistance test	1
Screw gauge	PT 1/4" ~ 2"	8

VII. PRODUCTS DELIVERED - LUB.&HYDRAULIC SYSTEMS



Product name API Reciprocating Gas compressor (6sets)
Customer NEA(Neuman & Esser) / Fu-tai Engineering
Specification Full skid mounted 2stg



Product name Lube & Control oil console for 15MW Steam turbine
Customer Mitsui Engineering & Shipbuilding Co., Ltd.
Specification SA312-316 / 750LPM / ASME "U" stamp & API, 3.5m(W)x12m(L)x4.2m(H)x25ton

VII. PRODUCTS DELIVERED - LUB.&HYDRAULIC SYSTEMS



Product name Lube & Seal oil Unit
Customer IHI / New Propane Gas Compressor
Specification SA312-304 / 250 LPM / API



Product name Lube oil console for 60MW Steam turbine
Customer FUJI
Specification SA106-B / 40m³/hr / MOP,EOP

VII. PRODUCTS DELIVERED - LUB.&HYDRAULIC SYSTEMS



Product name Lube oil console for 200MW Steam turbine
Customer FUJI
Specification SA106-B / 100m3/hr /MOP,EOP,JOP



Product name Lube oil console for 60MW Steam turbine
Customer FUJI
Specification SA106-B / 40m3/hr /MOP,EOP

VII. PRODUCTS DELIVERED - LUB.&HYDRAULIC SYSTEMS



Product name Lube oil unit
Customer IHI / Sonatrach
Specification SA312-304 / 400LPM / API



Product name Seal oil unit
Customer IHI / Sonatrach
Specification SA312-304 / 100LPM / API

VII. PRODUCTS DELIVERED - LUB.&HYDRAULIC SYSTEMS



Product name Lube oil console
Customer MES / Thai National power 2 SPP Project
Specification SA106-B / 1400LPM



Product name Control oil unit
Customer MES / Thai National power 2 SPP Project
Specification SA312-304 / 33LPM / 130bar

VII. PRODUCTS DELIVERED - LUB.&HYDRAULIC SYSTEMS

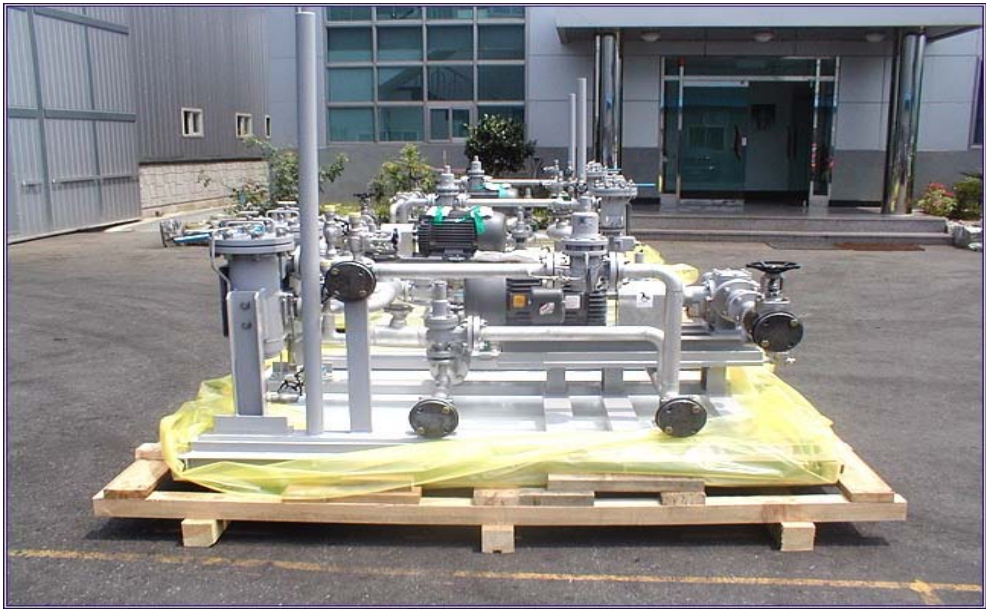


Product name Lube oil Unit
Customer IHI / China
Specification SA312-304 / 100LPM / API



Product name Lube Oil Unit
Customer IHI / Korea
Specification SA312-304 / 150LPM / API

VII. PRODUCTS DELIVERED - LUB.&HYDRAULIC SYSTEMS



Product name Lube Oil Unit
Customer Bechtel / USA
Specification SA312-316 / 150LPM / ASME “U” stamp & API



Product name Chemical Cleaning Unit
Customer IHI / Algeria Sonatrach
Specification SA312-304 / 850 LPM

VII. PRODUCTS DELIVERED - LUB.&HYDRAULIC SYSTEMS



Product name Hydraulic High Pressure Unit

Customer POSCO / Mexico

Specification SA312-304 / 400LPM



Product name Hydraulic Middle Pressure Unit

Customer POSCO / Mexico

Specification SA312-304 / 350LPM

VII. PRODUCTS DELIVERED - LUB.&HYDRAULIC SYSTEMS



Product name Hydraulic High press storage unit
Customer POSCO / Gwangdong
Specification SA312-304 / 400LPM



Product name Hydraulic Low press power supply unit
Customer POSCO / Vietnam
Specification SA312-304 / 350LPM

VII. PRODUCTS DELIVERED - HEAT EXCHANGERS

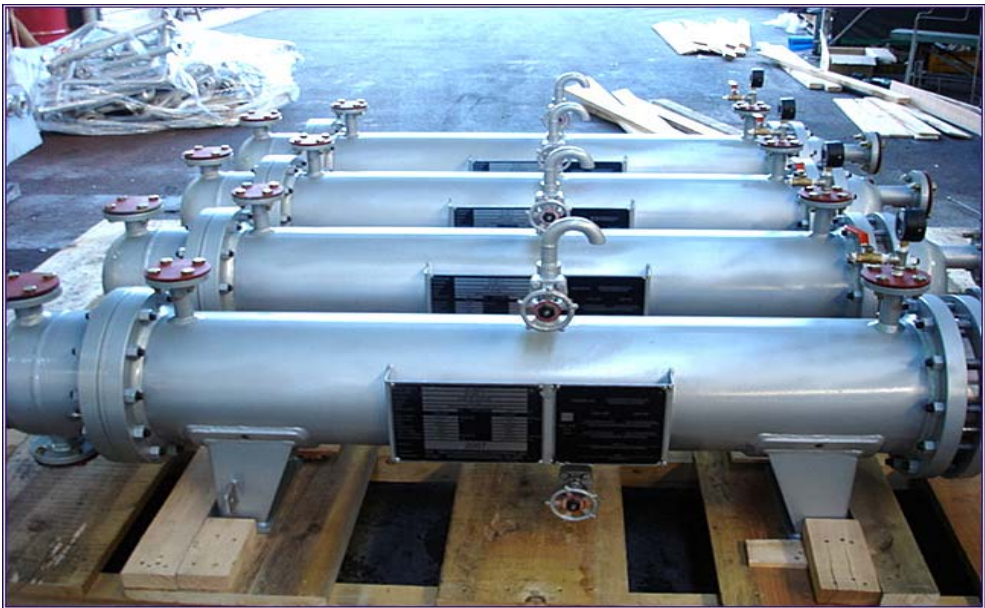


Product name N2 Gas Cooler
Customer NSC Kimitsu Works
Specification SA516-60 / 160.8m² / TEMA



Product name Coolant cooler
Customer NSC Kimitsu
Specification SS400 / 25000 LPM / TEMA

VII. PRODUCTS DELIVERED - HEAT EXCHANGERS



Product name Lube Oil Cooler
Customer Ebara / Algeria
Specification SA106-B / 9.9kg/cm² / ASME "U" stamp



Product name Lube Oil Cooler
Customer KOBELCO / Qatar
Specification SA516-60 / 11.0kg/cm² / ASME "U" stamp & TEMA "C"

VII. PRODUCTS DELIVERED - PRESSURE VESSELS



Product name Volume Bottle
Customer KOBELCO, Formosa petrochemical corp. / Taiwan
Specification SA516-70 / 70t / 321.1kg/cm² / ASME "U" stamp



Product name Surge Drum
Customer KOBELCO, TECHNIP / USA
Specification SA240-316 / 12t / 22.9kg/cm² / ASME "U" stamp / NB

VII. PRODUCTS DELIVERED - PRESSURE VESSELS



Product name A.D.G. Gas Storage Tank
Customer POSMEC / Korea
Specification SUS304 / 9t / 45 m³ / KS, ISHL, KOSHA



Product name Snubber
Customer KOBELCO, Thai oil / Thailand
Specification SA516-70 / 19t / 23.0kg/cm² / ASME "U" stamp

VII. PRODUCTS DELIVERED - PRESSURE VESSELS



Product name Silencer
Customer KOBELCO, CL2 PURIFYING SECTION
Specification SA516-70 / 12t / 19.0kg/cm² / ASME "U" stamp



Product name Surge Drum
Customer KOBELCO, TECHNIP / USA
Specification SA240-316 / 9t / 18.0kg/cm² / ASME "U" stamp / NB

VII. PRODUCTS DELIVERED - PRESSURE VESSELS



Product name Air receiver tank
Customer Hyundai Heavy Ind.Co.,Ltd.
Specification SA516-60 / 23t / 31.0kg/cm² / ASME "U" stamp



Product name Fuel oil Tank
Customer Hyundai heavy Ind.Co.,Ltd.
Specification SA516-70 / 6t / 10m³

Your business partner



Pressure Vessels

Heat Exchangers

Lube Oil Unit



Product Experience List

Ver. 15.5.1

909-43, Seobu-Ro, Jillye-Myeon, Gimhae-Si, Gyeongnam 50876 KOREA

50876 경상남도 김해시 진례면 서부로 909-43

Tel: +82-55-342-9222 Fax: +82-55-342-9228

<http://www.spico.co.kr> E-mail: swpi@spico.co.kr

Experience List of Pressure Vessels

May 01, 2016

No.	Customer	Project Name / Facility	Item Name	Specification				Q'ty	Built Year	Remarks Country
				Code & Rule	Material	I.D(mm)	Th'k			
1	Kobelco/HHI/ADMA	NASR Project	Silencer	U/L-stamp, NACE, EN3.2	SA240-316L	16"	s40	8	2016	UAE
2	Kobelco/Teahwa/Deokyang	H2 Extension Project	Snubber	U/L-stamp	SA240-316L	850	12	7	2016	Korea
3	IHI/Petronas/Samsung Eng	EPCC of RGT-2 Terminal Project	Lube Oil Filter	U-stamp, DOSH	SA106-B	6"	s40	6	2016	Malaysia
4	Kobelco/HDO/e-TEC E&C	#2BTX MVR-Project	Volume Tank	U-stamp, KOSHA	SA516-70	300	t7	1	2016	Korea
5	Kobelco/Technip/Petrobras/ABS	FPSO Pioneiro de Libra	Silencer	ABS, NACE, NR13	SA240-316L	1,100	t9	8	2016	Brazil
6	Kobelco/Shell/SK E&C/JGC	KNPC Clean Fuels Project	Silencer	U-stamp, NACE	SA516-70N	450	t16	6	2016	Kuwait
7	Kobelco/Shell/SK E&C/JGC	KNPC Clean Fuels Project	Rundown tank	U-stamp, NACE	SA240-316L	600	t6	3	2016	Kuwait
8	Kobelco/Shell/SK E&C/JGC	KNPC Clean Fuels Project	Silencer	U-stamp, NACE	SA240-316L	16"	s40	4	2016	Kuwait
9	Kobelco/Shell/SK E&C/JGC	KNPC Clean Fuels Project	Rundown tank	U-stamp, NACE	SA240-316L	600	t6	2	2016	Kuwait
10	Kobelco/CPC	CPC Talin Refinery No.11	Snubber	U-stamp	SA516-70N	650	t36	12	2016	Taiwan
11	Kobelco/Technip/Petrobras/ABS	FPSO Pioneiro de Libra	Oil Accumulator	ABS, NACE, NR13	SA240-S31803	800	t20	2	2015	Brazil
12	Kobelco/Shell/SK E&C/JGC	KNPC Clean Fuels Project	Silencer	U-stamp, NACE	SA240-316L	550	t16	1	2015	Kuwait
13	Kobelco/Shell/SK E&C/JGC	KNPC Clean Fuels Project	Oil Separator	U-stamp, NACE	SA240-316L	2,200	t16	1	2015	Kuwait
14	Kobelco/Shell/SK E&C/JGC	KNPC Clean Fuels Project	Coales Chamber	U-stamp, NACE	SA-240-316L	600	t12	1	2015	Kuwait
15	Kobelco/S-Oil	New Off Gas PSA Unit Installation	Gas Filter	KOSHA	SA516-60	1,000	t19	4	2015	Korea
16	Kobelco/S-Oil	New Off Gas PSA Unit Installation	Silencer	KOSHA	SA516-60	600	t16	2	2015	Korea
17	Kobelco/S-Oil	New Off Gas PSA Unit Installation	Oil Separator	KOSHA	SA240-304	2,200	t25	2	2015	Korea
18	Kobelco/GS E&C	Boryeong LNG Terminal Project Phase-I	Volume Bottle	U-stamp, KGS	SA240-304	550	t34	5	2015	Korea
19	Kobelco/Air Liquid	Hydrogen Compressor Hyac Mini	Buffer Volume	U-stamp	SA240-316L	450	t7	1	2015	USA
20	Kobelco/Aker	J3 SNG Project	Rundown tank	-	SA240-316L	700	t6	2	2015	India
21	Kobelco/Aker	J3 SNG Project	Drain Pot	-	SA312-TP316L	4"	s40	2	2015	India
22	Kobelco/Foster Wheeler Energy/SHARQ	SHARQ 3rd Expansion Project	Silencer	U-stamp	SA240-304	450	t16	2	2015	Saudi
23	Kobelco/Samsung Total/Toyo	SM#1 Modernization Project	Silencer	KOSHA/KGS	SA516-60	1,300	t12	2	2015	Korea
24	Kobelco/Samsung Total/Toyo	SM#1 Modernization Project	Over Head Tank	KOSHA	SA240-304	750	t9	1	2015	Korea
25	Kobelco/Samsung Total/Toyo	SM#1 Modernization Project	Oil Accumulator	KOSHA	SA240-304	550	t6	1	2015	Korea
26	Kobelco/Samsung Total/Toyo	SM#1 Modernization Project	Degassing Drum	KGS	SA106-B	18"	STD	1	2015	Korea

Experience List of Pressure Vessels

May 01, 2016

No.	Customer	Project Name / Facility	Item Name	Specification				Q'ty	Built Year	Remarks Country
				Code & Rule	Material	I.D(mm)	Th'k			
27	Kobelco/Samsung Total/Toyo	SM#1 Modernization Project	Drainer	KOSHA	SA106-B	10"	s40	1	2015	Korea
28	Kobelco/ExxonMobil/MHI	NAG Project	Silencer	U-stamp	SA516-70	900	t16	4	2015	USA
29	Kobelco/ExxonMobil/MHI	NAG Project	Oil Accumulator	U-stamp	SA240-304	750	t9	2	2015	USA
30	Kobelco/GS Caltex	Ethydco Ethylene Project	Mist eliminator	U-stamp, KOSHA	SA106-B	5"	s40	1	2014	Korea
31	Kobelco/GS Caltex	Ethydco Ethylene Project	Silencer	U-stamp, KGS	SA106-B	16"	s40	2	2014	Korea
32	Kobelco/GS E&C/IRPC	UHV Plant Project	Snubber	U-stamp	SA516-70N	850	t65	20	2014	Thailand
33	Kobelco/SAUDI KAYA/SADARA	Butanol and Syngas Project	Dampener	U-stamp	SA516-70	550	t16	11	2014	Saudi
34	Kobelco/GS E&C/ARAMCO	Rabigh II Refining and Petrochemical Project	Silencer	U-stamp	SA516-60	900	t16	8	2014	Saudi
35	Kobelco/GS E&C/ARAMCO	Rabigh II Refining and Petrochemical Project	Rundown Tank	U-stamp	SA240-304	800	t6	3	2014	Saudi
36	Kobelco/ARAMCO/Samsung Eng	Luberef Yanbu Refinery Expansion Project	Silencer	U-stamp	SA516-70N	450	t12	4	2014	Saudi
37	Kobelco/Thai Paraxylene/Hyundai Eng	TPX LAB Project	Silencer	U-stamp	SA516-60	1,100	t16	2	2014	Thailand
38	Kobelco/Thai Paraxylene/Hyundai Eng	TPX LAB Project	Oil Accumulator	U-stamp	SA240-304L	900	t9	1	2014	Thailand
39	Kobelco/SHELL/Chiyoda	Star Trec Project	Silencer	U-stamp	SA516-70N	550	t16	1	2014	Philippin
40	Kobelco/SHELL/Chiyoda	Star Trec Project	Oil Recovery Tank	U-stamp	SA516-70N	1,600	t16	1	2014	Philippin
41	Kobelco/SHELL/Chiyoda	Star Trec Project	Oil Separator	U-stamp	SA516-70N	700	t12	1	2014	Philippin
42	Kobelco/Daelim	Petron Bataan Refinery Master Plan 2 Project	Silencer	U-stamp	SA516-70	650	t16	3	2013	Philippin
43	Kobelco/Daelim	Petron Bataan Refinery Master Plan 2 Project	Oil Separator	U-stamp	SA516-70	1,100	t19	4	2013	Philippin
44	Kobelco/Daelim	Petron Bataan Refinery Master Plan 2 Project	Oil Recovery Tank	U-stamp	SA516-70	1,700	t22	4	2013	Philippin
45	Kobelco/Kumho	YEP-IV Project	Silencer	KGS	SA516-60	550	t9	2	2013	Korea
46	Kobelco/Kumho	YEP-IV Project	Rundown Tank	KOSHA	SA516-60	500	t6	1	2013	Korea
47	Kobelco/Kumho	YEP-IV Project	Accumulator	KOSHA	SA240-304	750	t6	1	2013	Korea
48	Kobelco/Samsung Total	No.2 Aromatics Complex	Silencer	KGS	SA516-60	550	t9	2	2013	Korea
49	Kobelco/Samsung Total	No.2 Aromatics Complex	Rundown Tank	KOSHA	SA516-60	600	t9	1	2013	Korea
50	Kobelco/Samsung Eng	SHAH Gas Development Project	Silencer	U-stamp	SA240-316L	900	t12	8	2012	UAE
51	Kobelco/Samsung Eng	SHAH Gas Development Project	Rundown Tank	U-stamp	SA240-316L	1,000	t9	2	2012	UAE
52	Kobelco/China Petrochemical	XinJian Weimei Chemical Acetylene Project	Overhead Tank	KOSHA	SA240-304	900	t9	6	2012	China

Experience List of Pressure Vessels

May 01, 2016

No.	Customer	Project Name / Facility	Item Name	Specification				Q'ty	Built Year	Remarks Country
				Code & Rule	Material	I.D(mm)	Th'k			
53	Kobelco/SBM	Angola Block 1516 West HEU Development	Silencer	U-stamp, ABS	SA240-316L	650	t16	8	2012	Singapore
54	Kobelco/Sakhtan Farda/Cheshmeh Khosh	Cheshmeh Khosh	Pulsation Dampener	U-stamp	SA516M-60	650	t35	32	2011	Iran
55	Kobelco/Thai Oil Public Comp.	Make-up Gas Compressor Service	Surge Drum	U-stamp	SA516M-415	650	t14	7	2011	Thailand
56	Kobelco/Thai Oil Public Comp.	Make-up Gas Compressor Service	Drain Pot	U-stamp	SA106-B	8"	s40	2	2011	Thailand
57	Kobelco/ONGC Petro addition	Dahei Butadiene	Silencer	U-stamp	SA516-70	800	t9	1	2011	India
58	Kobelco/ONGC/Lurgi GmbH/Samsung Eng	Dahei Butadiene	Drain Tank	U-stamp	SA516-70	600	t9	1	2011	India
59	Kobelco/ONGC Petro addition	Dahei Butadiene	Mist Eliminator	U-stamp	SA312-TP304	5"	s40	1	2011	India
60	Kobelco/ONGC Petro addition	Dahei Butadiene	Rundown Tank	U-stamp	SA240-304	700	t6	1	2011	India
61	Kobelco/Kuwait Oil Comp./SK E&C	Booster Station 132 Enhancement BS-131	Silencer	U-stamp	SA240-316L	1,100	t19	18	2011	Kuwait
62	Kobelco/Mazanillo/Samsung Eng	Mazanillo LNG Terminal / BOG Compressor	Volume Bottle	U-stamp	SA106-B	6"	s40	8	2010	Mexico
63	Kobelco/Mazanillo/Samsung Eng	Mazanillo LNG Terminal / BOG Compressor	Drain Pot	U-stamp	SA106-B	6"	s40	2	2010	Mexico
64	Kobelco/Foster Wheeler Energy/SHARQ	SHARQ 3rd Expansion Project	Silencer	U-stamp	SA240-304	450	t9	1	2010	Saudi
65	Kobelco/Borcodchem/ZRT	CL2 Purifying Section	Silencer	U-stamp	SA516-70	1,000	t12	1	2009	Hungary
66	Kwangshin/Intraco Gp	NCP Polypropylene Plant	Snubber	U-stamp	SA106-B	10"	s40	12	2009	Bangladesh
67	Kobelco/Saudi Polymers/JGC	NCP Project / Ethylene Compresor	Pulsation Dampener	U-stamp	SA516-60	650	t12	12	2009	Saudi
68	Kobelco/Saudi Polymers/JGC	NCP Project / Ethylene Compresor	Drain Pot	U-stamp	SA516-60	650	t14	2	2009	Saudi
69	Kobelco/S-Oil	Bunker-C Cracking Center Project	Snubber	KGS	SA516-60	1,100	t12	8	2009	Korea
70	Kobelco/S-Oil	Bunker-C Cracking Center Project	Drain Pot	KOSHA	SA106-B	6"	s40	2	2009	Korea
71	HHI/MARAFIQ IWPP(1)	MARAFIQ IWPP(1)	Fuel Oil Tank	-	SA516-60	2,030	t6	3	2009	Kuwait
72	HHI/MARAFIQ IWPP(1)	MARAFIQ IWPP(1)	Air Receiver Tank	U-stamp	SA516-60	1,200	t24	3	2009	Kuwait
73	Kobelco/CB&I/Golden Pass	Golden Pass LNG Terminal	Pulsation Bottle	U-stamp	SA240-304L	800	t13	24	2008	USA
74	Kobelco/SHELL/Chiyoda/HHI	Qatar Peal GTL Project	Silencer	U-stamp	SA240-304	450	t9	2	2008	Qatar
75	Kobelco/SHELL/Chiyoda/HHI	Qatar Peal GTL Project	Oil Recovery Tank	U-stamp	SA240-316L	1,100	t12	1	2008	Qatar
76	Kobelco/SHELL/Chiyoda/HHI	Qatar Peal GTL Project	Oil Separator	U-stamp	SA106-B	16"	s40	1	2008	Qatar
77	Kobelco/SHELL/Chiyoda/HHI	Qatar Peal GTL Project	Drain Separator	U-stamp	SA106-B	18"	STD	1	2008	Qatar
78	Kobelco/Lotte	SM Revamping	Silencer	KOSHA	SA516-70	1,100	t10	2	2008	Korea

Experience List of Pressure Vessels

May 01, 2016

No.	Customer	Project Name / Facility	Item Name	Specification				Q'ty	Built Year	Remarks Country
				Code & Rule	Material	I.D(mm)	Th'k			
79	HHI/MARAFIQ IWPP(1)	MARAFIQ IWPP(1)	Air Receiver Tank	U-stamp	SA516-70	2,030	t6	10	2008	Saudi
80	HHI/SHUAIBA	SHUAIBA North Cogeneration Plant	Air Receiver Tank	U-stamp	SA516-70	1,100	t18	1	2008	Kuwait
81	Kobelco/Chiyoda/Technip/Qatar Gas	Qatar Gas II Development / Oxidation Air Compressor	Oil Separator	U-stamp	SA240-316L	800	t9	1	2007	Qatar
82	Kobelco/Chiyoda/Technip/Qatar Gas	Qatar Gas II Development / Oxidation Air Compressor	Water Separator	U-stamp	SA516-60	380	t9	1	2007	Qatar
83	Kobelco/Chiyoda/Technip/Ras Gas	Technip/Ras Gas / Oxidation Air Compressor	Oil Separator	U-stamp	SA240-316L	900	t12	1	2007	Qatar
84	Kobelco/Chiyoda/Technip/Ras Gas	Technip/Ras Gas / Oxidation Air Compressor	Water Separator	U-stamp	SA240-304	490	t9	1	2007	Qatar
85	Kobelco/Daelim/Kumho	YEP-III Project / Flash gas compressor	Silencer	KOSHA	SA516-60	550	t6	4	2007	Korea
86	Kobelco/Foster Wheeler Energy/SHARQ	SHARQ 3rd Expansion Project	Silencer	U-stamp	SA240-304	650	t6	2	2007	Saudi
87	Kobelco/Foster Wheeler Energy/SHARQ	SHARQ 3rd Expansion Project	Rundown Tank	U-stamp	SA240-304	850	t9	1	2007	Saudi
88	Kobelco/Foster Wheeler Energy/SHARQ	SHARQ 3rd Expansion Project	Oil Mist Eliminator	U-stamp	SA516-60	350	t12	1	2007	Saudi
89	HHI/SOHAR	SOHAR Aromatics	Air Receiver Tank	U-stamp	SA516-70	1,000	t19	1	2007	Oman
90	Kobelco/Freport/Technip	Freport LNG Terminal	Surge Drum	U-stamp	SA240-304	1,150	t9	12	2006	USA
91	Kobelco/Formosa Petrochemical	Formosa Petrochemical Corp / Hydrogen Compressor	Volume Bottle	U-stamp	SA240-304	550	t70	8	2006	Taiwan
92	Kobelco/Formosa Petrochemical	Formosa Petrochemical Corp / Hydrogen Compressor	Oil Recovery Tank	U-stamp	SA516-70	1,700	t25	1	2006	Taiwan
93	Kobelco/Formosa Petrochemical	Formosa Petrochemical Corp / Hydrogen Compressor	Oil Separator	U-stamp	SA516-70	800	t16	1	2006	Taiwan
94	Kobelco/Formosa Petrochemical	Formosa Petrochemical Corp / Hydrogen Compressor	Lube Oil Filter	U-stamp	SA312M-TP304	14"	s40	1	2006	Taiwan
95	Kobelco/Chiyoda/Technip/Qatar Gas	Qatar Gas II Development / Hydrogen Compressor	Oil Separator	U-stamp	SA240-316L	800	t9	1	2006	Qatar
96	Kobelco/Chiyoda/Technip/Qatar Gas	Qatar Gas II Development / Hydrogen Compressor	Water Separator	U-stamp	SA516-60	390	t9	1	2006	Qatar
97	POSCO/POSMEC	Hydrogen Compressor	Gas Storage Tank	KOSHA	SA516-60	2,200	t9	1	2006	Korea
								389		

Experience List of Heat Exchangers

May 01, 2016

No.	Customer	Project Name / Facility	Item Name	Specification				Q'ty	Built Year	Remarks Country
				Code & Rule	Material	I.D(mm)	Th'k			
1	IHI/Fluxys/Fluor	5th Tank and BOG Facilities Project	Lube oil cooler	TEMA-C	A106-B	14"	s40	4	2016	Belgium
2	Kobelco/Daewoo/S-oil	RUCP Project	Lube oil cooler	TEMA-C	A106-B	14"	s40	2	2016	Korea
3	IHI/Shanghai Gas	Wuhaogou LNG Terminal Expansion II	Lube oil cooler	TEMA-C	A106-B	12"	s40	2	2016	China
4	Kobelco/CPC	CPC Talin Refinery No.11	Kick-back cooler	U-stamp, TEMA-R	SA516-70	550	t16	1	2016	Taiwan
5	Kobelco/CPC	CPC Talin Refinery No.11	Interstage cooler	U-stamp, TEMA-R	SA516-70	600	t12	2	2016	Taiwan
6	Kobelco/Shell/SK E&C/JGC	KNPC Clean Fuels Project	Lube oil cooler	U-stamp, NACE TEMA-C	SA240-316L	500	t12	2	2016	Kuwait
7	Yujin	KIPP Project	After Cooler	PED	SA106-B	6"	s40	2	2015	Turkey
8	MIKUNI Jukogyo	Ethan Cracker & PE/PP Plant	Lube oil cooler	U-stamp, TEMA-C	SA106-B	10"	s40	2	2015	Turkmenistan
9	IHI/PTTLNG	PTT LNG Receiving Terminal	Lube oil cooler	TEMA-C	A106-B	12"	s40	2	2015	Thailand
10	MES	JSPL Angul BF No.1/2/3	Plate Lube oil cooler	-	A240-316	-	t0.5	3	2015	India
11	MES/Samsung Eng	SOCAR Ammonia and Urea Complex Project	Lube oil cooler	TEMA-C	A106-B	20"	s40	1	2015	Azerbaijan
12	Hanshin/Daewoo	Pocheon Combined Cycle Power Plant IPP	Lube oil cooler	-	SA106B	6"	s40	3	2015	Korea
13	Hanshin/Daewoo	Pocheon Combined Cycle Power Plant IPP	Inter cooler	-	SA106B	8"	s40	3	2015	Korea
14	Hanshin/Daewoo	Pocheon Combined Cycle Power Plant IPP	After cooler	-	SA106B	6"	s40	3	2015	Korea
15	IHI/KOGAS	Boryeong LNG Terminal Project Phase - 1	Lube oil cooler	TEMA-C	A106-B	8"	s40	2	2015	Korea
16	Kobelco/Samsung Total/Toyo	SM#1 Modernization Project	Lube oil cooler	TEMA-C	SA106-B	14"	s40	2	2015	Korea
17	Kobelco/SAUDI KAYA/SADARA	Butanol and Syngas Project	Bypass Cooler	U-stamp, TEMA-R	SA516-70	550	t16	2	2014	Saudi
18	Kobelco/SAUDI KAYA/SADARA	Butanol and Syngas Project	Inter Cooler	U-stamp, TEMA-R	SA240-304L	400	t9	1	2014	Saudi
19	Kobelco/GS E&C/ARAMCO	Rabigh II Refining and Petrochemical Project	Air After Cooler	TEMA-C	A516-60	500	t12	1	2014	Saudi
20	Kobelco/SHELL/Chiyoda	Star Trec Project	After Cooler	U-stamp, TEMA-R	SA516-70N	400	t12	1	2014	Philippin
21	Kobelco/SHELL/Chiyoda	Star Trec Project	Lube Oil Cooler	U-stamp, TEMA-C	SA516-70N	400	t12	2	2014	Thailand
22	Hanshin/Samsung Eng	Bolivia YPFB Ammonia / Urea Project	Lube oil cooler	U-stamp	SA106B	10"	s40	1	2014	Bolivia
23	Hanshin/Samsung Eng	Bolivia YPFB Ammonia / Urea Project	Inter cooler	U-stamp	SA106B	14"	s40	1	2014	Bolivia
24	Hanshin/Samsung Eng	Bolivia YPFB Ammonia / Urea Project	After cooler	U-stamp	SA106B	12"	s40	1	2014	Bolivia
25	Hanshin/Daelim	SM200 Phase I	Lube oil cooler	-	SA106B	5"	s40	3	2014	Korea

Experience List of Heat Exchangers

May 01, 2016

No.	Customer	Project Name / Facility	Item Name	Specification				Q'ty	Built Year	Remarks Country
				Code & Rule	Material	I.D(mm)	Th'k			
26	Hanshin/Daelim	SM200 Phase I	Inter cooler	-	SA106B	8"	s40	3	2014	Korea
27	Hanshin/Daelim	SM200 Phase I	After cooler	-	SA106B	6"	s40	3	2014	Korea
28	HHI/HYDAC	AZ-ZOUR North IWPP Project	Fuel Gas Cooler	U-stamp, TEMA-C	SA516-70	580	t9	4	2014	Kuwait
29	HHI/HYDAC	AZ-ZOUR North IWPP Project	Lube Oil Cooler	U-stamp, TEMA-C	SA106-B	14"	s40	8	2014	Kuwait
30	Hanshin/KEPCO	Barakah Nuclear Power Plant Unit 1, 2, 3 & 4	Lube oil cooler	-	SA106B	8"	s40	12	2014	UAE
31	Hanshin/KEPCO	Barakah Nuclear Power Plant Unit 1, 2, 3 & 4	Inter cooler	-	SA106B	12"	s40	12	2014	UAE
32	Hanshin/KEPCO	Barakah Nuclear Power Plant Unit 1, 2, 3 & 4	After cooler	-	SA106B	10"	s40	12	2014	UAE
33	MES/HHI	#7 STG Project	Lube Oil Cooler	TEMA-C	A312-TP316	16"	s10S	2	2014	Korea
34	MES/CTCI	Ratchaburi World Cogeneration Project	Lube Oil Cooler	TEMA-C	A106-B	20"	s40	2	2014	Thailand
35	MES/CTCI	Ratchaburi World Cogeneration Project	Lube Oil Cooler	TEMA-C	A106-B	20"	s40	2	2014	Thailand
36	MES/TTCL	Bangpoo-SSUT2-13	Lube Oil Cooler	TEMA-C	A516-70	680	t8	6	2014	Thailand
37	MES/SK ENG	Nghison-13	Lube Oil Cooler	TEMA-C	A240-304L	700	t7	10	2014	Vietnam
38	MES/TTCL	Myanmar Power Generation Plant	Plate Lube Oil Cooler	-	Titanium	-	t0.5	1	2013	Myanmar
39	IHI/Noltex	Ethylene Compressor for Noltex L.L.C.	Lube Oil Cooler	TEMA-C	A106-B	6"	s40	1	2013	USA
40	IHI/Tohoku Electric	Shin-Sendai Thermal Power Plant No.3	Lube Oil Cooler	TEMA-C	A106-B	6"	s40	2	2013	Japan
41	MES/IHI/Ratchaburi	Ratchaburi World Cogeneration Project	Lube Oil Cooler	TEMA-C	A106-B	22"	s20	4	2013	Thailand
42	Kobelco	Gail Petrochemical Complex-II Pata Project	Lube Oil Cooler	TEMA-C	SA106-B	12"	s40	2	2013	India
43	HHI	Turbine Test Facility	N2 Gas Cooler	TEMA-C	SA516-70	1800	t16	2	2013	Korea
44	MES/Toyo-Korea	2500 MTPD Ammonia & 3500 MTPD UREA Plant	Lube Oil Cooler	TEMA-C	SA312-TP304	20"	s10	4	2012	Indonesia
45	Kobelco/Daelim/Petron	Petron Bataan Refinery Master Plan 2 (RMP-2)	Lube Oil Cooler	U-stamp, TEMA-R	SA516-60	700	t12	4	2012	Philippin
46	MES/Hanjin	Namyangju-11	Plate Lube Oil Cooler	-	A240-304	-	t0.5	2	2012	Korea
47	Hanshin/Daelim	Kumho P&B BPA(IV) Project	Lube oil cooler	-	SA106B	6"	s40	1	2012	Korea
48	Hanshin/Daelim	Kumho P&B BPA(IV) Project	Inter cooler	-	SA106B	12"	s40	1	2012	Korea
49	Hanshin/Daelim	Kumho P&B BPA(IV) Project	After cooler	-	SA106B	8"	s40	1	2012	Korea
50	Hanshin/Daelim	YDR-S-1 SSBR Project	Lube oil cooler	-	SA106B	5"	s40	1	2012	Korea
51	Hanshin/Daelim	YDR-S-1 SSBR Project	Inter cooler	-	SA106B	12"	s40	1	2012	Korea

Experience List of Heat Exchangers

May 01, 2016

No.	Customer	Project Name / Facility	Item Name	Specification				Q'ty	Built Year	Remarks Country
				Code & Rule	Material	I.D(mm)	Th'k			
52	Hanshin/Daelim	YDR-S-1 SSBR Project	After cooler	-	SA106B	8"	s40	1	2012	Korea
53	MES/CSC	Steam Turbine for CSC	Lube Oil Cooler	TEMA-C	A106-B	16"	s40	2	2012	Taiwan
54	MES/TSL	Tata Steel / No.1 TRT	Plate Lube Oil Cooler	-	SA240-304	-	t0.5	4	2012	India
55	Hanshin/KEPCO/KHNP	Shingori Nuclear Power Plant 3&4	Inter Cooler	TEMA-C	A106-B	12"	s40	3	2011	Korea
56	Hanshin/KEPCO/KHNP	Shingori Nuclear Power Plant 3&4	After Cooler	TEMA-C	A106-B	8"	s40	3	2011	Korea
57	Hanshin/KEPCO/KHNP	Shingori Nuclear Power Plant 3&4	Oil Cooler	TEMA-C	A106-B	6"	s40	3	2011	Korea
58	SKC	Condensor Bundle Renewal	Cooler Bundle	TEMA-C	SA179	1800	t16	1	2011	Korea
59	MES/IHI/TNP	Thai National Power 2 SPP Power Project	Plate Lube Oil Cooler	-	A240-304	-	t0.5	1	2011	Thailand
60	Daesung Industrial Gases Co., Ltd.	Hyundai Hysco N2 Plant	Heat Recovery Cooler	KGS, TEMA-C	SA516-70	500	t9	1	2011	Korea
61	Daesung Industrial Gases Co., Ltd.	Hyundai Hysco N2 Plant	M/S After Cooler	KGS, TEMA-C	SA516-70	460	t9	1	2011	Korea
62	MES/HHI/HDO	HDO #2 HOU PROJECT	Lube Oil Cooler	U-stamp, KOSHA TEMA-R	SA106-B	20"	s40	2	2010	Korea
63	Hanshin	Sabiya Project	Inter Cooler	TEMA-C	SA106-B	12"	s40	6	2010	Kuwait
64	Hanshin	Sabiya Project	After Cooler	TEMA-C	SA106-B	8"	s40	6	2010	Kuwait
65	Hanshin	Sabiya Project	Oil Cooler	TEMA-C	SA106-B	6"	s40	6	2010	Kuwait
66	Daesung/Union Steel	Union Steel Works	Air Pre-Cooler	KGS, TEMA-C	SA516-70	460	t9	8	2009	Korea
67	Daesung Industrial Gases Co., Ltd.	-	Heat Recovery Cooler	KGS, TEMA-C	SA516-70	500	t9	1	2009	Korea
68	Daesung Industrial Gases Co., Ltd.	-	Water Cooler	KGS, TEMA-C	SA106-B	6"	s40	1	2009	Korea
69	Daesung Industrial Gases Co., Ltd.	LFG Liquid Plant	CO2 Removing Drum	KGS, TEMA-C	SA106-B	8"	s40	1	2009	Korea
70	Kwangshin/Intraco Gp	NCP Polypropylene Plant	Lube Oil Cooler	U-stamp	SA105	10"	t20	2	2009	Bangladesh
71	Kwangshin/Intraco Gp	NCP Polypropylene Plant	Inter Cooler	U-stamp	SA106-B	8"	t20	2	2009	Bangladesh
72	Kwangshin/Intraco Gp	NCP Polypropylene Plant	After Cooler	U-stamp	SA106-B	8"	t20	2	2009	Bangladesh
73	Hanshin	VIPP Project	Inter Cooler	U-stamp, TEMA-C	SA106-B	12"	s40	2	2009	Vietnam
74	Hanshin	VIPP Project	After Cooler	U-stamp, TEMA-C	SA106-B	8"	s40	2	2009	Vietnam
75	Hanshin	VIPP Project	Oil Cooler	U-stamp, TEMA-C	SA106-B	6"	s40	2	2009	Vietnam
76	Hanshin	Angamos Thermoelectric Power Plant	Inter Cooler	TEMA-C	SA106-B	8"	s40	5	2009	Chile

Experience List of Heat Exchangers

May 01, 2016

No.	Customer	Project Name / Facility	Item Name	Specification				Q'ty	Built Year	Remarks Country
				Code & Rule	Material	I.D(mm)	Th'k			
77	Hanshin	Angamos Thermoelectric Power Plant	After Cooler	TEMA-C	SA106-B	8"	s40	5	2009	Chile
78	Hanshin	Angamos Thermoelectric Power Plant	Oil Cooler	TEMA-C	SA106-B	8"	s40	5	2009	Chile
79	Kobelco/SHELL/Chiyoda/HHI	Qatar Peal GTL Project	Lube Oil Cooler	U-stamp, TEMA-C	SA516M-70	500	t9	6	2008	Qatar
80	Kobelco/SHELL/Chiyoda/HHI	Qatar Peal GTL Project	Air After Cooler	U-stamp, TEMA-C	SA106-B	14"	s40	3	2008	Qatar
81	Daesung Industrial Gases Co., Ltd.	Union Steel Utility Expansion	Air Pre-Cooler	KGS, TEMA-C	SA516-70	460	t9	1	2008	Korea
82	Daesung Industrial Gases Co., Ltd.	Union Steel Utility Expansion	Heat Recovery Cooler	KGS, TEMA-C	SA516-70	500	t9	1	2008	Korea
83	Daesung Industrial Gases Co., Ltd.	KCC Utility Expansion	Air Pre-Cooler	KGS, TEMA-C	SA516-70	16"	s40	1	2008	Korea
84	Hanshin/KEPCO/KHNP	Shingori Nuclear Power Plant 1&2	Inter Cooler	TEMA-C	SA106-B	14"	s40	3	2008	Korea
85	Hanshin/KEPCO/KHNP	Shingori Nuclear Power Plant 1&2	After Cooler	TEMA-C	SA106-B	10"	s40	3	2008	Korea
86	Hanshin/KEPCO/KHNP	Shingori Nuclear Power Plant 1&2	Oil Cooler	TEMA-C	SA106-B	6"	s40	3	2008	Korea
87	Hanshin/KEPCO/KHNP	Shingori Nuclear Power Plant 3&4	Inter Cooler	TEMA-C	A106-B	12"	s40	3	2008	Korea
88	Hanshin/KEPCO/KHNP	Shingori Nuclear Power Plant 3&4	After Cooler	TEMA-C	A106-B	8"	s40	3	2008	Korea
89	Hanshin/KEPCO/KHNP	Shingori Nuclear Power Plant 3&4	Oil Cooler	TEMA-C	A106-B	6"	s40	3	2008	Korea
90	Hanshin/KAYAN	Saudi Kayan Polty Carbonnate	Inter Cooler	TEMA-C	SA106-B	14"	s40	3	2008	Saudi
91	Hanshin/KAYAN	Saudi Kayan Polty Carbonnate	After Cooler	TEMA-C	SA106-B	12"	s40	3	2008	Saudi
92	Hanshin/KAYAN	Saudi Kayan Polty Carbonnate	Oil Cooler	TEMA-C	SA106-B	10"	s40	3	2008	Saudi
93	Hanshin/GS E&C	Yeravan CCCP	Inter Cooler	TEMA-C	SA106-B	8"	s40	2	2008	Armenia
94	Hanshin/GS E&C	Yeravan CCCP	After Cooler	TEMA-C	SA106-B	8"	s40	2	2008	Armenia
95	Hanshin/GS E&C	Yeravan CCCP	Oil Cooler	TEMA-C	SA106-B	8"	s40	2	2008	Armenia
96	Kobelco/Chiyoda/Technip/Qatar Gas	Qatar Gas II Development / Oxidation Air Compressor	Lube Oil Cooler	U-stamp, TEMA-C	SA516-60	450	t12	3	2007	Qatar
97	Kobelco/Chiyoda/Technip/Qatar Gas	Qatar Gas II Development / Oxidation Air Compressor	Air After Cooler	U-stamp, TEMA-C	SA106-B	12"	s40	1	2007	Qatar
98	Kobelco/Chiyoda/Technip/Qatar Gas	Technip/Ras Gas / Oxidation Air Compressor	Lube Oil Cooler	U-stamp, TEMA-C	SA516-60	450	t12	2	2007	Qatar
99	Kobelco/Chiyoda/Technip/Qatar Gas	Technip/Ras Gas / Oxidation Air Compressor	Air After Cooler	U-stamp, TEMA-C	SA106-B	14"	s40	2	2007	Qatar
100	NSC	3CM Coolant Cooler Renewal	Coolant Cooler	TEMA-C	A516-70	1300	t16	1	2007	Japan
101	IHI/Sonatrach	Sonatrach Algeria	Lube Oil Cooler	TEMA-C	SA106-B	12"	s40	10	2007	Algeria
102	IHI/Sonatrach	Sonatrach Algeria	Lube Oil Cooler	TEMA-C	SA106-B	12"	s40	4	2007	Algeria

Experience List of Heat Exchangers

May 01, 2016

No.	Customer	Project Name / Facility	Item Name	Specification				Q'ty	Built Year	Remarks Country
				Code & Rule	Material	I.D(mm)	Th'k			
103	IHI/Qatar Petolome	Qatar Petolome 325kW	Inter Cooler Bundle	TEMA-C	A106-B	16"	s40	1	2006	Qatar
104	IHI/Qatar Petolome	Qatar Petolome 325kW	After Cooler Bundle	TEMA-C	A106-B	16"	s40	1	2006	Qatar
105	Kobelco/Formosa Petrochemical	Formosa Petrochemical Corp / Hydrogen Compressor	Gas Cooler	U-stamp, TEMA-R	SA516-70	450	t12	1	2005	Taiwan
106	Kobelco/Formosa Petrochemical	Formosa Petrochemical Corp / Hydrogen Compressor	Lube Oil Cooler	U-stamp, TEMA-R	SA516-70	850	t16	1	2005	Taiwan
107	Kobelco/Chiyoda/Technip/Qatar Gas	Qatar Gas II Development / Hydrogen Compressor	Lube Oil Cooler	U-stamp, TEMA-C	SA516-60	450	t12	3	2005	Qatar
108	Kobelco/Chiyoda/Technip/Qatar Gas	Qatar Gas II Development / Hydrogen Compressor	Air After Cooler	U-stamp, TEMA-C	SA106-B	12"	s40	3	2005	Qatar
109	NSC	3CM In Cold Strip Mill	MOG Oil Cooler	TEMA-C	SA516-70	830	t9	1	2005	Japan
110	SNM	LA County Sanitation Dis. JWPCP Power Generation	Lube Oil Cooler	U-stamp, TEMA-C	SA106-B	14"	t9	2	2005	USA
111	NSC	2FB Pass Done Nitrogen Gas Cooler	N2 Gas Cooler	TEMA-C	SA516-70	950	t19	1	2005	Japan
								312		

Experience List of Unit Skid, Lube Oil Unit, and Hydro Unit

Nov. 20, 2016

No.	Customer	Project Name	Item Name	Rule	Specification	Q'ty	Built year	Country	Remarks Service
1	NEA/Fu-tai/CPC	Fu-Tai Project	Make-up gas Compressor	API	API Reciprocating full skid mounted 7000L x 5400W	2	2016	Taiwan	Compressor
2	NEA/Fu-tai/CPC	Fu-Tai Project	Recycle gas Compressor	API	API Reciprocating full skid mounted 7000L x 4200W	2	2016	Taiwan	Compressor
3	NEA/Fu-tai/CPC	Fu-Tai Project	Off-gas Compressor	API	API Reciprocating full skid mounted 6500L x 4500W	2	2016	Taiwan	Compressor
4	IHI/Fluxys/Fluor	5th Tank and BOG Facilities Project	Lube oil unit	API614 1&3	SUS304, 3.0barG, 300LPM	4	2016	Belgium	Compressor
5	IHI/Fluxys/Fluor	5th Tank and BOG Facilities Project	Cooling water console		A106B, 3.0barG, 3300L, 500LPM	4	2016	Belgium	Compressor
6	IHI/Petronas/Samsung Eng	EPCC of RGT-2 Terminal Project	Lube oil unit	API614 1&3	SUS304, 3.0barG, 100LPM	3	2016	Malaysia	Compressor
7	IHI/Shanghai Gas	Wuhaogou LNG Terminal Expansion II	Lube oil unit	API614 1&3	SUS304, 3.0barG, 100LPM	2	2016	China	Compressor
8	IHI/PTTLNG	PTTLNG LNG Receiving Terminal Exp. Phase-II	Cooling water console		A106B, 3.0barG, 3300L, 500LPM	2	2016	Thailand	Compressor
9	Mikuni Jukogyo/Turkmengas	Ethane Cracker and PE PP Plant	Lube oil unit	API614 1&3	A106B, 3.0barG, 85LPM	2	2015	Turkmenistan	Compressor
10	IHI/PTTLNG	PTTLNG LNG Receiving Terminal Exp. Phase-II	Lube oil unit	API614 1&3	SUS304, 3.0barG, 100LPM	4	2015	Thailand	Compressor
11	MES	JSPL Angul BF NO.1	Lube oil console		SUS304, 5.5barG, 15000L, 1700LPM, Cooler/Filter	3	2015	India	Blower
12	MES/Samsung Eng	SOCAR Ammonia and Urea Complex Project	Lube oil console	API614 1&2	SUS304, 5.5barG, 15000L, 1500LPM, Cooler/Filter	1	2015	Azerbaijan	STG
13	MES/Samsung Eng	SOCAR Ammonia and Urea Complex Project	Control oil unit		SUS304, 130barG, 500L, 20LPM	1	2015	Azerbaijan	STG
14	IHI/GSPC/Toyo	GSPC Mundra LNG Terminal	Lube oil unit	API614 1&3	SUS304, 3.0barG, 100LPM	2	2015	India	Compressor
15	IHI/KOGAS	Boryeong LNG Terminal Project Phase-I	Lube oil unit	API614 1&3	SUS304, 3.0barG, 100LPM	4	2015	Korea	Compressor
16	MES/SK Eng/JGC	Nghison-13	Lube oil console	API614 1&2	SUS304, 5.5barG, 15000L, 1900LPM, Cooler/Filter	5	2015	Vietnam	STG
17	MES/SK Eng/JGC	Nghison-13	Control oil unit		SUS304, 130barG, 500L, 40LPM	5	2015	Vietnam	Ver. 15.5.1
18	MES/HHI/HDO	STG #7 Project	Lube oil console		SUS304, 5.5barG, 10000L, 1800LPM, Cooler/Filter	1	2014	Korea	STG
19	MES/HHI/HDO	STG #7 Project	Control oil unit		SUS304, 130barG, 500L, 20LPM	1	2014	Korea	STG
20	MES/TTCL	Bangpoo-SSUT2-13, Lat Krabang	Lube oil console		SUS304, 5.5barG, 15000L, 1800LPM, Cooler/Filter	3	2014	Thailand	STG
21	MES/TTCL	Bangpoo-SSUT2-13, Lat Krabang	Control oil unit		SUS304, 130barG, 500L, 20LPM	3	2014	Thailand	STG
22	IHI/JGC	C3 / C4 Storage Project	Lube oil unit	API614 1&3	SUS304, 5.5barG, 50LPM	1	2013	Philippines	Compressor
23	MES/TTCL	Myanmar Power Generation Plant (Yangon-12)	Lube oil console		SUS304, 5.5barG, 15000L, 1350LPM, Cooler/Filter	1	2013	Myanmar	STG
24	MES/TTCL	Myanmar Power Generation Plant (Yangon-12)	Control oil unit		SUS304, 130barG, 500L, 20LPM	1	2013	Myanmar	STG
25	IHI/Noltex	Ethylene Compressor for Noltex L.L.C	Lube oil unit	API614 1&3	SUS304, 5.5barG, 100LPM	2	2013	USA	Compressor
26	IHI/Tohoku Electric	Shin-Sendai Thermal Power Plant No.3	Lube oil unit		SUS304, 5.5barG, 100LPM	2	2013	Japan	Compressor
27	MES/IHI/Ratchaburi	Ratchaburi World Cogeneration Project	Lube oil console		SUS304, 5.5barG, 10000L, 1370LPM, Cooler/Filter	2	2013	Thailand	STG
28	MES/IHI/Ratchaburi	Ratchaburi World Cogeneration Project	Control oil unit		SUS304, 130barG, 500L, 40LPM	2	2013	Thailand	STG

Experience List of Unit Skid, Lube Oil Unit, and Hydro Unit

June 01, 2016

No.	Customer	Project Name	Item Name	Rule	Specification	Q'ty	Built year	Country	Remarks Service
29	MES/Toyo-Korea	2500 MTPD Ammonia & 3500 MTPD UREA Plant	Lube oil console	API614 1&2	SUS304, 5.5barG, 15000L, 1350LPM, Cooler/Filter	2	2012	Indonesia	STG
30	EBARA/SK Innovation	H-Project	Lube oil unit	API614 1&3	SUS304, 5.5barG, 800L, 100LPM	4	2012	Korea	Pump
31	MES/Toyo-Korea	2500 MTPD Ammonia & 3500 MTPD UREA Plant	Control oil unit		SUS304, 130barG, 500L, 20LPM	1	2012	Indonesia	STG
32	MES/Hanjin Heavy Ind	Namyangju-11	Lube oil console		SUS304, 5.5barG, 10000L, 1370LPM, Cooler/Filter	1	2012	Korea	STG
33	MES/Hanjin Heavy Ind	Namyangju-11	Control oil unit		SUS304, 130barG, 500L, 40LPM	1	2012	Korea	STG
34	MES/CSC	Steam Turbine for CSC	Lube oil console		SUS304, 5.5barG, 7000L, 1370LPM, Cooler/Filter	1	2012	Taiwan	STG
35	MES/CSC	Steam Turbine for CSC	Control oil unit		SUS304, 130barG, 500L, 20LPM	1	2012	Taiwan	STG
36	IHI/Fluxys	Zeebrugge ORV EPCM	Cooling water console		A106B, 3.0barG, 8000L, 670LPM	1	2012	Belgium	Compressor
37	IHI/Guangdong LNG	Guangdong Zhuhai LNG Project - Phase1	Lube oil unit	API614 1&3	SUS304, 5.5barG, 100LPM	3	2012	China	Compressor
38	IHI/Guangdong LNG	The 3rd BOG Compressore	Lube oil unit	API614 1&3	SUS304, 5.5barG, 100LPM	1	2012	China	Compressor
39	POSCO	POSCO Assan TST SPM	Hydraulic unit		SUS304, 180barG, 70LPM	4	2012	Korea	Steel plant
40	MES/Tata Steel	Tata Steel / No.1 TRT	Lube oil console		SUS304, 5.5barG, 5000L, 500LPM, Cooler/Filter	1	2012	India	Blower
41	IHI Tech	Finishing Mill	Power Unit		SUS304, 5.5barG, 5000L, 350LPM	1	2012	Taiwan	Compressor
42	MES/IHI/TNP	Thai National Power 2 SPP Power Project	Lube oil console		SUS304, 5.5barG, 13000L, 400LPM, Cooler/Filter	1	2011	Thailand	STG
43	MES/IHI/TNP	Thai National Power 2 SPP Power Project	Control oil unit		SUS304, 140barG, 500L, 20LPM	1	2011	Thailand	STG
44	IHI/ONGC/IHI	ONGC-URAN India 3050kW Propane Comp'r	Lube&Seal oil unit	API614 1&2	SUS304, 25barG, 3000L, 250L, 260LPM	1	2011	India	Compressor
45	IHI/Fluxys	Zeebrugge ORV EPCM	Lube oil unit	API614 1&3	SUS304, 5.5barG, 200LPM	1	2011	Belgium	Compressor
46	IHI	KOCHI Regas Facilities	Lube oil unit	API614 1&3	SUS304, 5.5barG, 100LPM	2	2010	India	Compressor
47	IHI/Sonatrach	NO.23 / A / 2008	Lube oil unit	API614 1&3	SUS304, 5.5barG, 100LPM	1	2010	Algeria	Compressor
48	IHI/KOGAS	Pyeongpaek LNG Terminal-II Phase	Lube oil unit	API614 1&3	SUS304, 5.5barG, 100LPM	2	2010	Korea	Compressor
49	IHI/KOGAS	Tongyoung LNG Terminal Expansion	Lube oil unit	API614 1&3	SUS304, 5.5barG, 100LPM	2	2010	Korea	Compressor
50	MES/HHI/HDO	#2 HOU Project	Lube&Control oil unit	API614 1&2	SUS304, 6barG, 40barG, 7500L, 400LPM, Cooler/Filter	1	2010	Korea	STG
51	POSCO	POSCO-Kwangyang 3BF	Governor oil system Control oil unit		SUS304, 180barG, 70LPM	1	2009	Korea	Steel plant
52	IHI/KOGAS	Tongyoung LNG	Lube oil unit	API614 1&3	SUS304, 5.5barG, 100LPM	1	2009	Korea	Compressor
53	IHI	Gulf Energy	Lube oil unit	API614 1&3	SUS304, 5.5barG, 100LPM	3	2009	Oman	Compressor
54	FUJI Electric/Doosan	CEBU #1, #2 Power plant	Lube oil console		A106B, 5.5barG, 7000L, 1666LPM	2	2009	Philippines	STG
55	FUJI Electric/GPPC	GPPC co-generation plant	Lube oil console		A106B, 5.5barG, 7000L, 666LPM	1	2009	Taiwan	STG

Experience List of Unit Skid, Lube Oil Unit, and Hydro Unit

June 01, 2016

No.	Customer	Project Name	Item Name	Rule	Specification	Q'ty	Built year	Country	Remarks Service
56	FUJI Electric/GS E&C	YEREVAN Combined cycle co-generation	Lube oil console		A106B, 5.5barG, 7000L, 666LPM	1	2009	Armenia	STG
57	IHI/KOGAS	Gwangyang LNG terminal expansion	Lube oil unit	API614 1&3	SUS304, 5.5barG, 100LPM	1	2009	Korea	Compressor
58	ISK/IHI	Reduction gear for IHI-VS25	Lube oil unit		A106B, 5.5barG, 100LPM	6	2009	Japan	Red. gear
59	POSCO	POSCO-Kwangyang 3BF	Governor oil system By-pass control valve std		SUS304, 180barG	1	2009	Korea	Steel plant
60	POSCO	POSCO-Kwangyang 3BF	Governor oil system Power unit		SUS304, 180barG, 70LPM	1	2009	Korea	Steel plant
61	IHI/Sonatrach	Sonatrach	Lube oil unit	API614 1&3	SUS304, 6barG, 4000L, 400LPM, Cooler/Filter	3	2009	Algeria	Compressor
62	IHI/Sonatrach	Sonatrach	Seal oil unit	API614 1&2	SUS304, 6barG, 1700L, 100LPM, Cooler/Filter	3	2009	Algeria	Compressor
63	IHI/CB&I	Elba III Terminal expansion	Lube oil unit	API614 1&3	A106B, 5.5barG, 100LPM	6	2008	USA	Compressor
64	IHI/Sonatrach	Algeria-Sonatrach project	Lube oil unit	API614 1&3	A106B, 5.5barG, 200LPM	3	2008	Algeria	Compressor
65	IHI/Sonatrach	Algeria-Sonatrach project	Lube oil unit	API614 1&3	A106B, 5.5barG, 150LPM	2	2008	Algeria	Compressor
66	IHI/CNOOC	Shanghai LNG Terminal & Trunk line	Lube oil unit	API614 1&3	A106B, 5.5barG, 100LPM	2	2008	China	Compressor
67	IHI/Sonatrach	Sonatrach GL-1/Z	Lube oil unit	API614 1&2	SUS304, 5.5barG, 500L, 110LPM, Cooler/Filter	4	2007	Algeria	Compressor
68	IHI/Sonatrach	Sonatrach GL-2/Z	Lube oil unit	API614 1&2	SUS304, 5.5barG, 500L, 110LPM, Cooler/Filter	4	2007	Algeria	Compressor
69	IHI/Sonatrach	Sonatrach	Lube oil unit	API614 1&2	SUS304, 5.5barG, 400L, 75LPM, Cooler/Filter	2	2007	Algeria	Compressor
70	IHI/Sonatrach	Sonatrach	Lube oil unit	API614 1&2	SUS304, 5.5barG, 300L, 35LPM, Cooler/Filter	2	2007	Algeria	Compressor
71	IHI/KOGAS	Inchon LNG receiving Terminal	Lube oil unit	API614 1&3	A106B, 5.5barG, 100LPM	4	2007	Korea	Compressor
72	IHI/CNOOC	Shanghai LNG PEAK shaving	Lube oil unit	API614 1&3	A106B, 5.5barG, 100LPM	2	2007	China	Compressor
73	IHI/CNOOC	The expansion of shanghai	Lube oil unit	API614 1&3	A106B, 5.5barG, 100LPM	4	2007	China	Compressor
74	IHI/KOGAS	PyeongTaek LNG receiving terminal	Lube oil unit	API614 1&3	A106B, 5.5barG, 200LPM	4	2006	Korea	Compressor
75	IHI/Bechtel	Sabine Pass LNG terminal	Lube oil unit	API614 1&3	A106B, 5.5barG, 100LPM	3	2006	USA	Compressor
76	IHI/CB&I/Exxon	South hook LNG project	Lube oil unit	API614 1&3	A106B, 5.5barG, 100LPM	4	2006	Qatar	Compressor
77	IHI/KOGAS	TongYoung LNG receiving terminal	Lube oil unit	API614 1&3	A106B, 5.5barG, 150LPM	2	2006	Korea	Compressor
78	IHI/CNOOC	Guangdong LNG receiving terminal	Lube oil unit		A106B, 5.5barG, 100LPM	2	2005	China	Compressor
79	POSCO	China ZPSS NO.3 APL SPM	Circulation unit		SUS304, 4barG	1	2005	China	Steel plant
80	POSCO	PCCS CGL/SPM	Storage unit		SUS304, 6barG, 2000L	1	2005	Brazil	Steel plant
81	POSCO	POSCO 2HOT MILL	Servo part tank unit		SUS304, 6000L	1	2005	India	Steel plant
82	POSCO	POSCO 2HOT MILL	Servo part tank unit		SUS304, 4000L	1	2005	India	Steel plant

Experience List of Unit Skid, Lube Oil Unit, and Hydro Unit

June 01, 2016

No.	Customer	Project Name	Item Name	Rule	Specification	Q'ty	Built year	Country	Remarks Service
83	POSCO	K3H Hydraulic power system	Circulation unit		SUS304, 4barG	1	2005	Brazil	Steel plant
84	POSCO	K3H Hydraulic power system	Tank unit		SUS304, 10000L	1	2005	Brazil	Steel plant
85	POSCO	POSCO NO.2 Mill Hot Leveller	Lube cooling unit		SUS304	1	2005	Korea	Steel plant
86	POSCO	POSCO-Kwangyang 3BF TRP	Control oil unit		SUS304, 140barG	1	2005	Korea	Steel plant
87	POSCO	China ZPSS NO.3 APL SPM	Control oil unit		SUS304, 140barG	1	2005	China	Steel plant
88	POSCO	POSCO NO.2 HCL	Hydro power supply system		SUS304	1	2005	Korea	Steel plant
89	POSCO	POSCO NO.2 HCL	Hydro power supply system Valve stand		A106B	1	2005	Korea	Steel plant
90	POSCO	POSCO NO.2 HCL	Hydro power supply system Pump stand		PISTON, 140barG	1	2005	Korea	Steel plant
91	POSCO	POSCO 3BF	Hydro power supply system ACC stand		1200X1612X2665	1	2005	Korea	Steel plant
92	POSCO	POSCO 3BF	Hydro power supply system Bleeder valve stand		1500X1192X1400, 140barG	1	2005	Korea	Steel plant
93	POSCO	POSCO 3BF	Hydro power supply system Flow control valve stand		1500X1192X1400, 140barG	1	2005	Korea	Steel plant
94	POSCO	POSCO 3BF	Hydro power supply system Bleeder oil reservoir		SUS304	1	2005	Korea	Steel plant
95	POSCO	POSCO 3BF	Hydro power supply system Pump stand		PISTON, 210barG	1	2005	Korea	Steel plant
96	POSCO	POSCO 3BF	Hydro power supply system Scrubber valve stand		1500X1192X1400, 140barG	1	2005	Korea	Steel plant
97	POSCO	POSCO 3BF	Hydro power supply system BV&BCV valve stand		1500X1192X1400, 140barG	1	2005	Korea	Steel plant
98	POSCO	POSCO 3BF	Hydro power supply system Water control valve stand		1500X1192X1400, 140barG	1	2005	Korea	Steel plant
99	POSCO	POSCO 3BF	Hydro power supply system BCV valve stand		1500X1192X1400, 140barG	1	2005	Korea	Steel plant
100	IHI/CNOOC	BOG compressor	Lube oil unit		A106B, 5.5barG, 100LPM	5	2004	China	Compressor
101	IHI	Valve de-super heater	Lube oil unit		A106B, 5.5barG, 100LPM	1	2004	-	Compressor
102	IHI/CNOOC	Guangdong LNG receiving terminal	Lube oil unit		A106B, 5.5barG, 100LPM	1	2004	China	Compressor
103	POSCO	TAIWAN SPM	Storage unit		SUS304, 5barG, 3000L	1	2004	Taiwan	Steel plant
104	POSCO	POSCO-Kwangyang NO.5 MCL Tank	Circulation/Acc. unit		SUS304, 5barG, 1500L	1	2004	Korea	Steel plant
105	POSCO	POSCO-Kwangyang NO.5 MCL Tank	Tank unit		SUS304, 4barG, 800LPM	1	2004	Korea	Steel plant
106	POSCO	POSCO-Kwangyang NO.5 MCL Tank	Tank unit		SUS304, 19000L	1	2004	Korea	Steel plant
107	POSCO	POSCO-Kwangyang NO.5 MCL Tank	Tank unit		SUS304, 13600L	1	2004	Korea	Steel plant

Experience List of Unit Skid, Lube Oil Unit, and Hydro Unit

June 01, 2016

No.	Customer	Project Name	Item Name	Rule	Specification	Q'ty	Built year	Country	Remarks Service
108	POSCO	POSCO-Kwangyang NO.5 MCL Tank	Circulation unit		SUS304, 4barG, 500LPM	1	2004	Korea	Steel plant
109	POSCO	POSCO	Lube oil tank unit		SUS304, 12000L	1	2004	Korea	Steel plant
110	POSCO	POSCO-Kwangyang CPL	Circulation unit		SUS304, 4barG, 300LPM	1	2004	Korea	Steel plant
111	POSCO	POSCO-Kwangyang SPM	Control oil unit		SUS304, 140barG	1	2004	Korea	Steel plant
112	POSCO	POSCO-Kwangyang CPL	Tank unit		SUS304, 6000L	1	2004	Korea	Steel plant
113	POSCO	NO.2 CGL FACILITY	Circulation unit		SUS304, 6barG, 500L	1	2003	Korea	Steel plant
114	POSCO	NO.2 CGL FACILITY	Tank unit		SUS304, 11000L, 8000L	1	2003	Korea	Steel plant
115	POSCO	NO.2 CGL FACILITY	Tank unit		SUS304, 11000L, 8000L	1	2003	Korea	Steel plant
116	POSCO	POSCO-Kwangyang 2BF TRP	Control oil unit		SUS304, 140barG	1	2003	Korea	Steel plant
117	POSCO	NO.2 CGL Facility	Control oil unit		SUS304, 140barG	1	2003	Korea	Steel plant
118	POSCO	POSCO 3RSM	Aux Tank unit		SUS304, 15000L	1	2001	Korea	Steel plant
						219			

Experience List of Lube Oil Filter

May 01, 2016

No.	Customer	Project Name	Item Name	Rule	Specification	Q'ty	Built year	Country	Remarks Service
1	IHI/Fluxys/Fluor	5th Tank and BOG Facilities Project	Lube oil filter	API614 1&3	SUS304, 3.0barG, 300LPM	4	2016	Belgium	Compressor
2	IHI/Petronas/Samsung Eng	EPCC of RGT-2 Terminal Project	Lube oil filter	API614 1&3	A106B, 3.0barG, 100LPM	3	2016	Malaysia	Compressor
3	IHI/Shanghai Gas	Wuhaogou LNG Terminal Expansion II	Lube oil filter	API614 1&3	SUS304, 3.0barG, 100LPM	2	2016	China	Compressor
4	Mikuni Jukogyo/Turkmengas	Ethane Cracker and PE PP Plant	Lube oil filter	API614 1&3	A106B, 3.0barG, 85LPM	2	2015	Turkmenistan	Compressor
5	IHI/PTTLNG	PTTLNG LNG Receiving Terminal Exp. Phase-II	Lube oil filter	API614 1&3	SUS304, 3.0barG, 100LPM	4	2015	Thailand	Compressor
6	MES	JSPL Angul BF NO.1	Lube oil filter		SUS304, 5.5barG, 1700LPM	3	2015	India	Blower
7	MES/Samsung Eng	SOCAR Ammonia and Urea Complex Project	Lube oil filter	API614 1&2	SUS304, 5.5barG, 1500LPM	1	2015	Azerbaijan	STG
8	IHI/GSPC/Toyo	GSPC Mundra LNG Terminal	Lube oil filter	API614 1&3	SUS304, 3.0barG, 100LPM	2	2015	India	Compressor
9	IHI/KOGAS	Boryeong LNG Terminal Project Phase-I	Lube oil filter	API614 1&3	SUS304, 3.0barG, 100LPM	4	2015	Korea	Compressor
10	MES/SK Eng/JGC	Nghison-13	Lube oil filter	API614 1&2	SUS304, 5.5barG, 1900LPM	5	2015	Vietnam	STG
11	MES/HHI/HDO	STG #7 Project	Lube oil filter		SUS304, 5.5barG, 1800LPM	1	2014	Korea	STG
12	MES/TTCL	Bangpoo-SSUT2-13, Lat Krabang	Lube oil filter		SUS304, 5.5barG, 1800LPM	3	2014	Thailand	STG
13	IHI/JGC	C3 / C4 Storage Project	Lube oil filter	API614 1&3	SUS304, 5.5barG, 50LPM	1	2013	Philippines	Compressor
14	MES/TTCL	Myanmar Power Generation Plant (Yangon-12)	Lube oil filter		SUS304, 5.5barG, 1350LPM	1	2013	Myanmar	STG
15	IHI/Noltex	Ethylene Compressor for Noltex L.L.C	Lube oil filter	API614 1&3	SUS304, 5.5barG, 100LPM	2	2013	USA	Compressor
16	IHI/Tohoku Electric	Shin-Sendai Thermal Power Plant No.3	Lube oil filter		SUS304, 5.5barG, 100LPM	2	2013	Japan	Compressor
17	MES/IHI/Ratchaburi	Ratchaburi World Cogeneration Project	Lube oil filter		SUS304, 5.5barG, 1370LPM	2	2013	Thailand	STG
18	MES/Toyo-Korea	2500 MTPD Ammonia & 3500 MTPD UREA Plant	Lube oil filter	API614 1&2	SUS304, 5.5barG, 1350LPM	2	2012	Indonesia	STG
19	EBARA/SK Innovation	H-Project	Lube oil filter	API614 1&3	SUS304, 5.5barG, 800L, 100LPM	4	2012	Korea	Pump
20	MES/Hanjin Heavy Ind	Namyangju-11	Lube oil filter		SUS304, 5.5barGL, 1370LPM	1	2012	Korea	STG
21	MES/CSC	Steam Turbine for CSC	Lube oil filter		SUS304, 5.5barG, 1370LPM	1	2012	Taiwan	STG
22	IHI/Guangdong LNG	Guangdong Zhuhai LNG Project - Phase1	Lube oil filter	API614 1&3	SUS304, 5.5barG, 100LPM	3	2012	China	Compressor
23	IHI/Guangdong LNG	The 3rd BOG Compressore	Lube oil filter	API614 1&3	SUS304, 5.5barG, 100LPM	1	2012	China	Compressor
24	MES/Tata Steel	Tata Steel / No.1 TRT	Lube oil filter		SUS304, 5.5barG, 500LPM	1	2012	India	Blower
25	MES/IHI/TNP	Thai National Power 2 SPP Power Project	Lube oil filter		SUS304, 5.5barG, 400LPM	1	2011	Thailand	STG
26	IHI/ONGC/IHI	ONGC-URAN India 3050kW Propane Comp'r	Lube oil filter	API614 1&2	SUS304, 25barG, 260LPM	1	2011	India	Compressor
27	IHI/Fluxys	Zeebrugge ORV EPCM	Lube oil filter	API614 1&3	SUS304, 5.5barG, 200LPM	1	2011	Belgium	Compressor
28	IHI	KOCHI Regas Facilities	Lube oil filter	API614 1&3	SUS304, 5.5barG, 100LPM	2	2010	India	Compressor

Experience List of Lube Oil Filter

May 01, 2016

No.	Customer	Project Name	Item Name	Rule	Specification	Q'ty	Built year	Country	Remarks Service
29	IHI/Sonatrach	NO.23 / A / 2008	Lube oil filter	API614 1&3	SUS304, 5.5barG, 100LPM	1	2010	Algeria	Compressor
30	IHI/KOGAS	Pyeongpaek LNG Terminal-II Phase	Lube oil filter	API614 1&3	SUS304, 5.5barG, 100LPM	2	2010	Korea	Compressor
31	IHI/KOGAS	Tongyoung LNG Terminal Expansion	Lube oil filter	API614 1&3	SUS304, 5.5barG, 100LPM	2	2010	Korea	Compressor
32	MES/HHI/HDO	#2 HOU Project	Lube oil filter	API614 1&2	SUS304, 6barG, 40barG, 400LPM	1	2010	Korea	STG
33	IHI/KOGAS	Tongyoung LNG	Lube oil filter	API614 1&3	SUS304, 5.5barG, 100LPM	1	2009	Korea	Compressor
34	IHI	Gulf Energy	Lube oil filter	API614 1&3	SUS304, 5.5barG, 100LPM	3	2009	Oman	Compressor
35	FUJI Electric/Doosan	CEBU #1, #2 Power plant	Lube oil filter		A106B, 5.5barG, 1666LPM	2	2009	Philippines	STG
36	FUJI Electric/GPPC	GPPC co-generation plant	Lube oil filter		A106B, 5.5barG, 666LPM	1	2009	Taiwan	STG
37	FUJI Electric/GS E&C	YEREVAN Combined cycle co-generation	Lube oil filter		A106B, 5.5barG, 666LPM	1	2009	Armenia	STG
38	IHI/KOGAS	Gwangyang LNG terminal expansion	Lube oil filter	API614 1&3	SUS304, 5.5barG, 100LPM	1	2009	Korea	Compressor
39	ISK/IHI	Reduction gear for IHI-VS25	Lube oil filter		A106B, 5.5barG, 100LPM	6	2009	Japan	Red. gear
40	IHI/Sonatrach	Sonatrach	Lube oil filter	API614 1&3	SUS304, 6barG, 400LPM	3	2009	Algeria	Compressor
41	IHI/Sonatrach	Sonatrach	Lube oil filter	API614 1&2	SUS304, 6barG, 100LPM	3	2009	Algeria	Compressor
42	IHI/CB&I	Elba III Terminal expansion	Lube oil filter	API614 1&3	A106B, 5.5barG, 100LPM	6	2008	USA	Compressor
43	IHI/Sonatrach	Algeria-Sonatrach project	Lube oil filter	API614 1&3	A106B, 5.5barG, 200LPM	3	2008	Algeria	Compressor
44	IHI/Sonatrach	Algeria-Sonatrach project	Lube oil filter	API614 1&3	A106B, 5.5barG, 150LPM	2	2008	Algeria	Compressor
45	IHI/CNOOC	Shanghai LNG Terminal & Trunk line	Lube oil filter	API614 1&3	A106B, 5.5barG, 100LPM	2	2008	China	Compressor
46	IHI/Sonatrach	Sonatrach GL-1/Z	Lube oil filter	API614 1&2	SUS304, 5.5barG, 110LPM	4	2007	Algeria	Compressor
47	IHI/Sonatrach	Sonatrach GL-2/Z	Lube oil filter	API614 1&2	SUS304, 5.5barG, 110LPM	4	2007	Algeria	Compressor
48	IHI/Sonatrach	Sonatrach	Lube oil filter	API614 1&2	SUS304, 5.5barG, 75LPM	2	2007	Algeria	Compressor
49	IHI/Sonatrach	Sonatrach	Lube oil filter	API614 1&2	SUS304, 5.5barG, 35LPM	2	2007	Algeria	Compressor
50	IHI/KOGAS	Inchon LNG receiving Terminal	Lube oil filter	API614 1&3	A106B, 5.5barG, 100LPM	4	2007	Korea	Compressor
51	IHI/CNOOC	Shanghai LNG PEAK shaving	Lube oil filter	API614 1&3	A106B, 5.5barG, 100LPM	2	2007	China	Compressor
52	IHI/CNOOC	The expansion of shanghai	Lube oil filter	API614 1&3	A106B, 5.5barG, 100LPM	4	2007	China	Compressor
53	IHI/KOGAS	PyeongTaek LNG receiving terminal	Lube oil filter	API614 1&3	A106B, 5.5barG, 200LPM	4	2006	Korea	Compressor
54	IHI/Bechtel	Sabine Pass LNG terminal	Lube oil filter	API614 1&3	A106B, 5.5barG, 100LPM	3	2006	USA	Compressor
55	IHI/CB&I/Exxon	South hook LNG project	Lube oil filter	API614 1&3	A106B, 5.5barG, 100LPM	4	2006	Qatar	Compressor
56	IHI/KOGAS	TongYoung LNG receiving terminal	Lube oil filter	API614 1&3	A106B, 5.5barG, 150LPM	2	2006	Korea	Compressor

Experience List of Lube Oil Filter

May 01, 2016

No.	Customer	Project Name	Item Name	Rule	Specification	Q'ty	Built year	Country	Remarks Service
57	IHI/CNOOC	Guangdong LNG receiving terminal	Lube oil filter		A106B, 5.5barG, 100LPM	2	2005	China	Compressor
58	IHI/CNOOC	BOG compressor	Lube oil filter		A106B, 5.5barG, 100LPM	5	2004	China	Compressor
59	IHI	Valve de-super heater	Lube oil filter		A106B, 5.5barG, 100LPM	1	2004	-	Compressor
60	IHI/CNOOC	Guangdong LNG receiving terminal	Lube oil filter		A106B, 5.5barG, 100LPM	1	2004	China	Compressor
						144			