

2016

Company Profile



1. Company Information

(as of Jan. 2016)

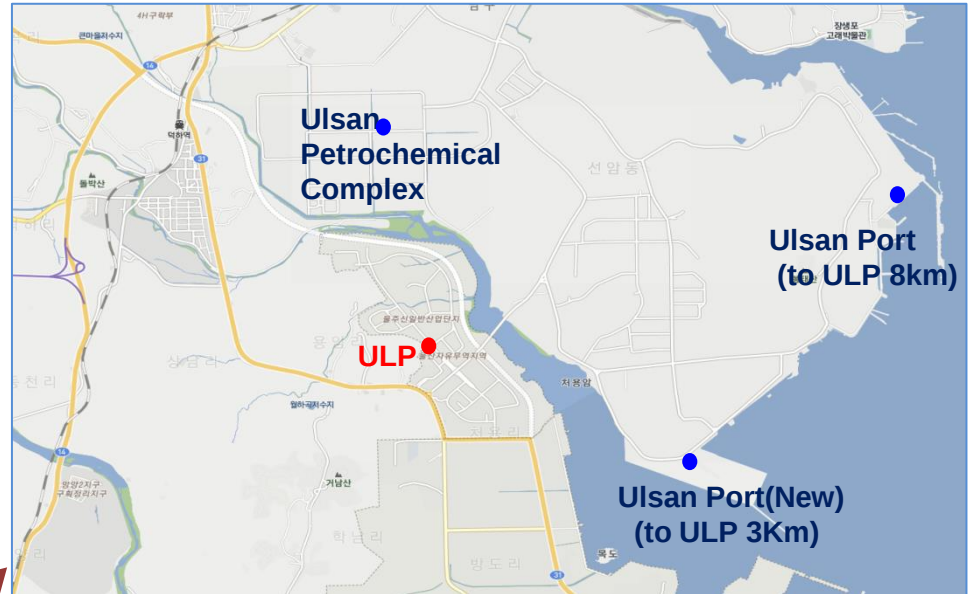
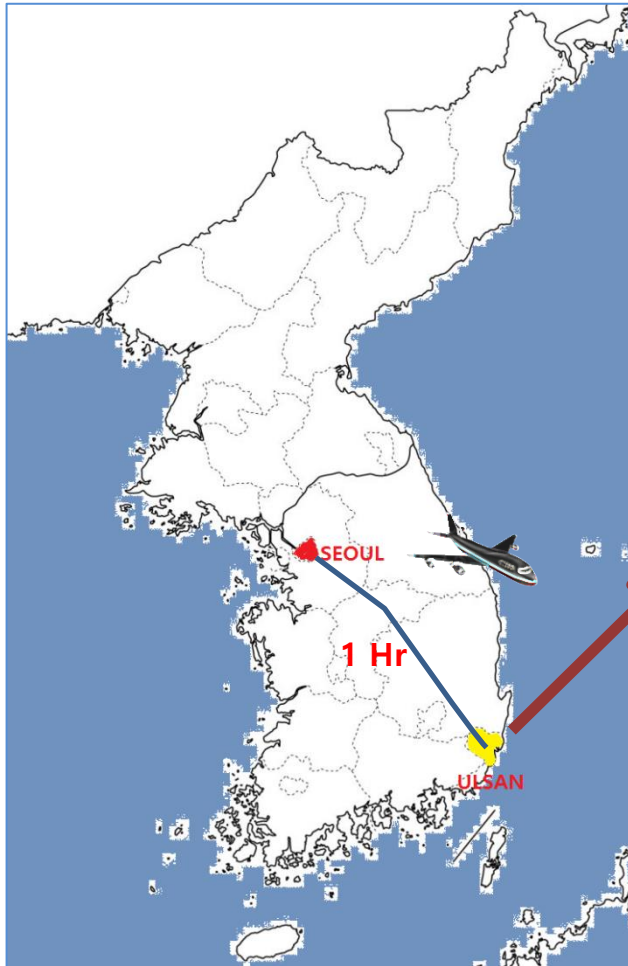
Established September 1999
Capital KW 700,000,000- (US\$700,000-)
Revenue KW 25,000,000,000- (US\$23,000,000-)
Employees 120 people
Shop Area 15,000m²



1-1. Company History

1999	<i>Established as "Ulsan Plant"</i>
2006	<i>Renamed as "ULP Co., Ltd."</i>
2007	<i>Acquisition of ISO9001 Certificate</i>
2007	<i>Acquisition of ASME "U" & "S" Certificate</i>
2008	<i>Approved Vendor of Doosan Heavy Industries & Con.</i>
2009	<i>Approved Vendor of SK, S-OIL</i>
2010	<i>Awarded Superior Vendor of Doosan Heavy Industries & Con.</i>
2010	<i>Acquisition of ASME "U2" certificate</i>
2010	<i>Approved Vendor of Korea East-West Power Co., Ltd.</i>
2010	<i>Approved Vendor of Saudi Electricity Com.</i>
2011	<i>Acquisition of ISO 14001 and OHSAS 18001 Certificate</i>
2013	<i>Established New Factory in New Industrial Estate of Ulsan</i>
2013	<i>Acquisition of ISO 3834-2 (EN certification)</i>
2013	<i>Renewal ASME "U ", "S ", "U2", "PP" Certificate</i>
2014	<i>Acquisition of LR Class Register</i>

1-2. Location

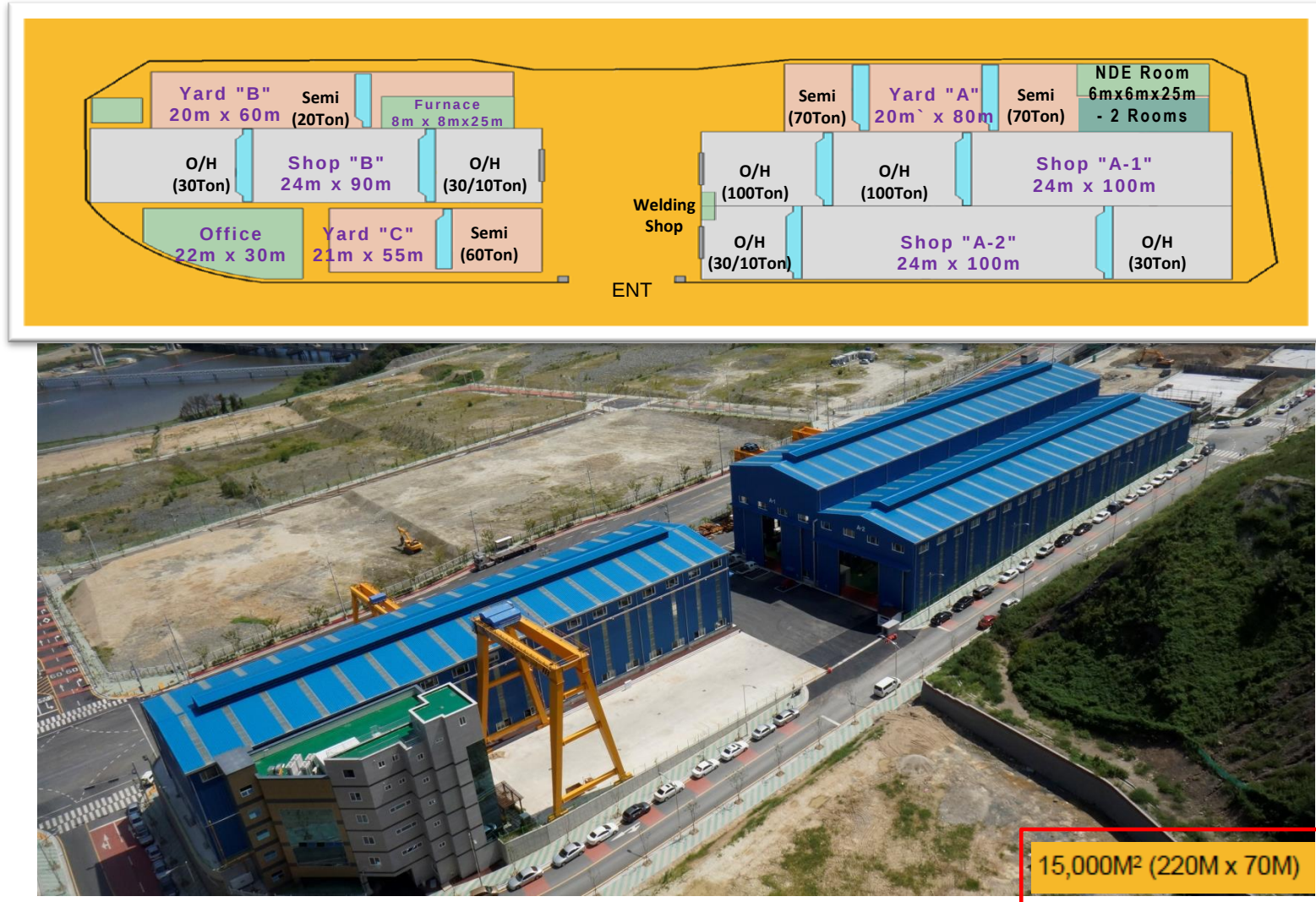


Factory & Head Office

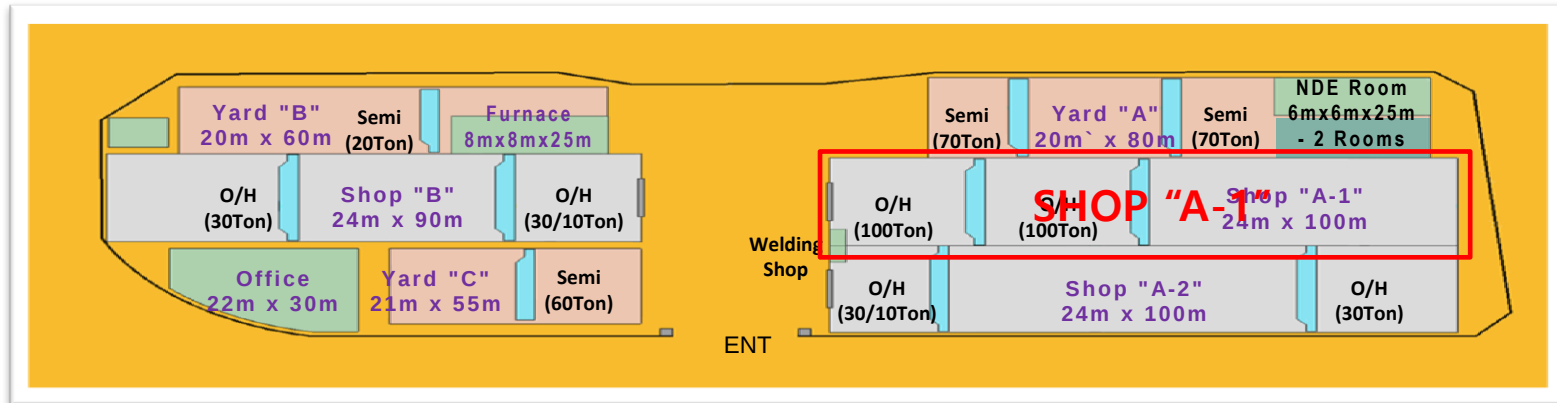
#129-19, Cheoyongsaneop-Ro, Onsan-Eup Ulju-Gun, Ulsan, Korea

Home : www.ulp99.com
TEL : +82 52 922-9550
E-mail : yhlee@ulp99.com

1-3. Factory & Head Office

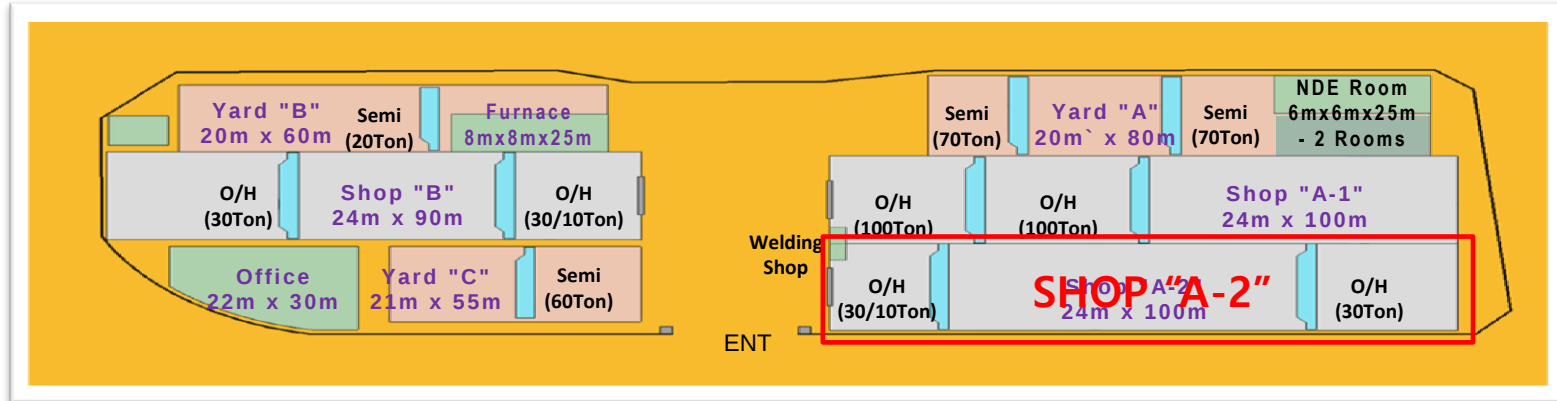


1-3. Factory & Head Office



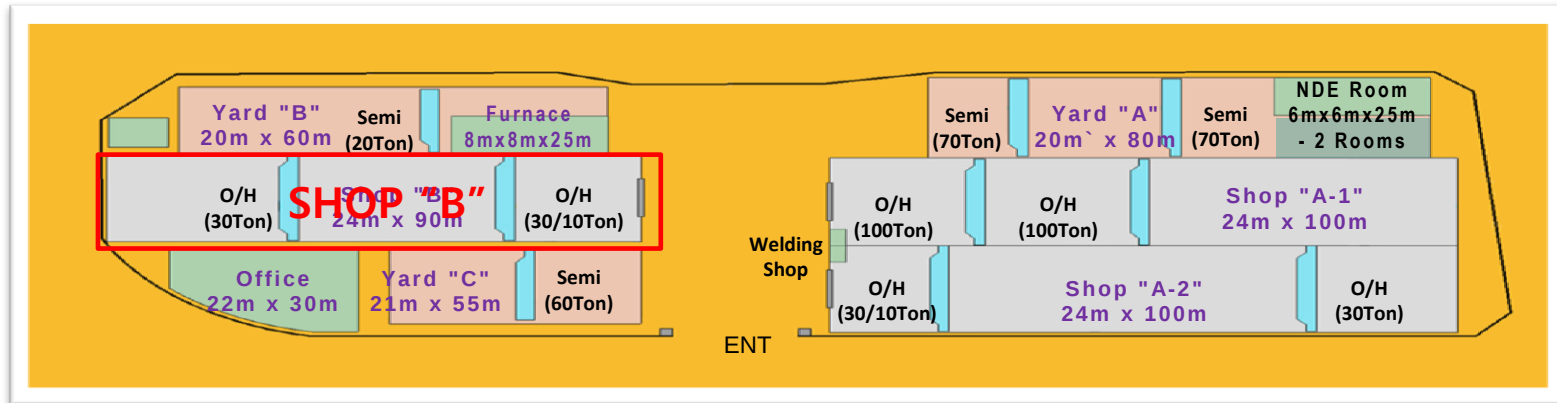
Shop	Size	Area	Crane
Shop "A-1"	24.0m(W) x 100m(L) x 20m(H)	2,300M2	100 ton x 2 sets 20 ton x 1 set

1-3. Factory & Head Office



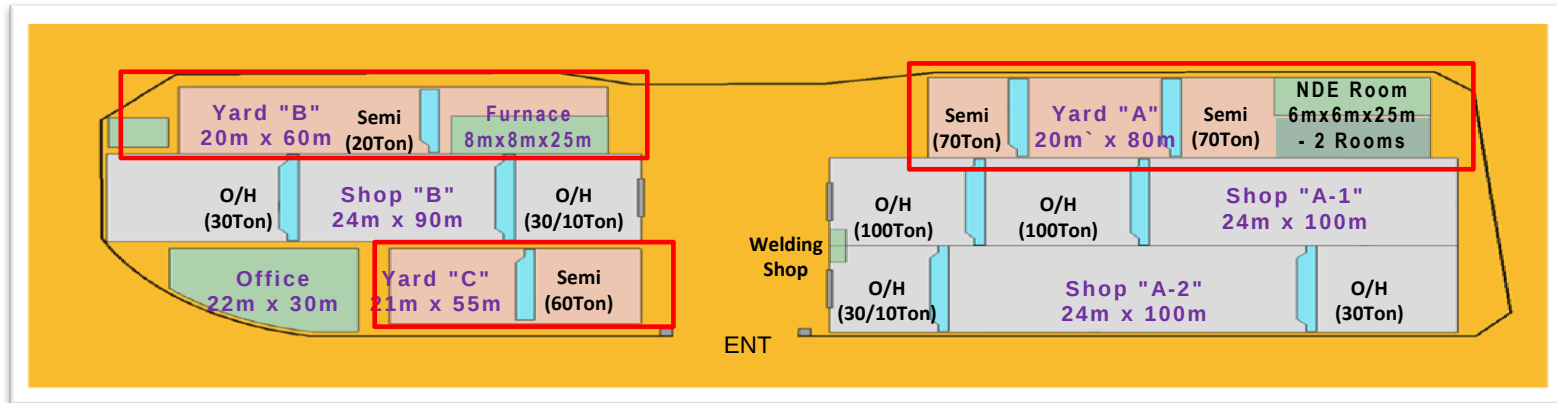
Shop	Size	Area	Crane
Shop "A-2"	24.0m(W) x 100m(L) x 15m(H)	2,300 M2	30 ton x 2 sets 20 ton x 1 set

1-3. Factory & Head Office



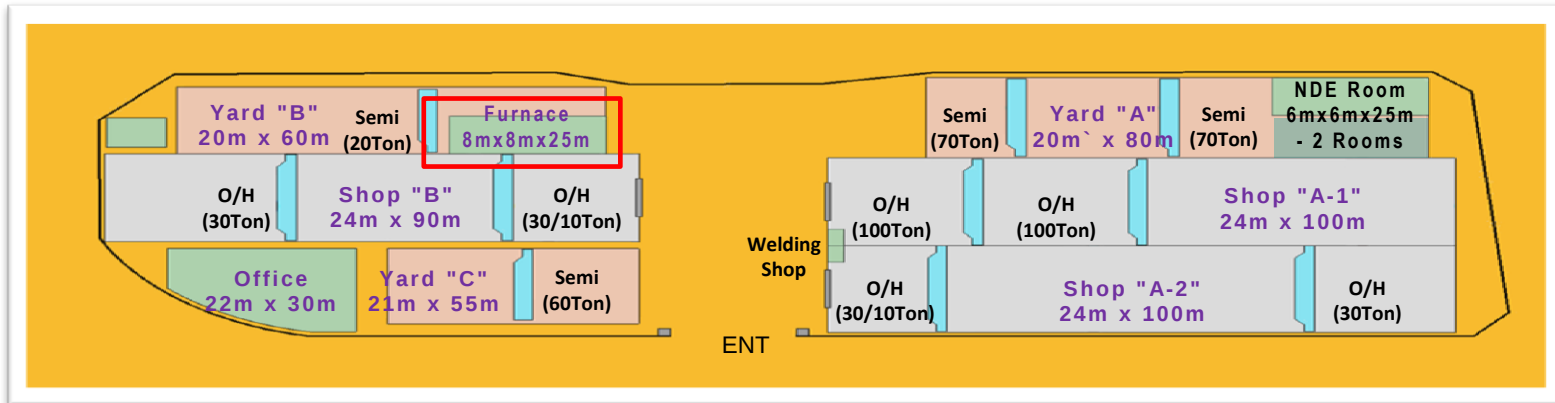
Shop	Size	Area	Crane
Shop "B"	24.0m(W) x 90m(L) x 15m(H)	2,070 M2	30 ton x 2 sets

1-3. Factory & Head Office



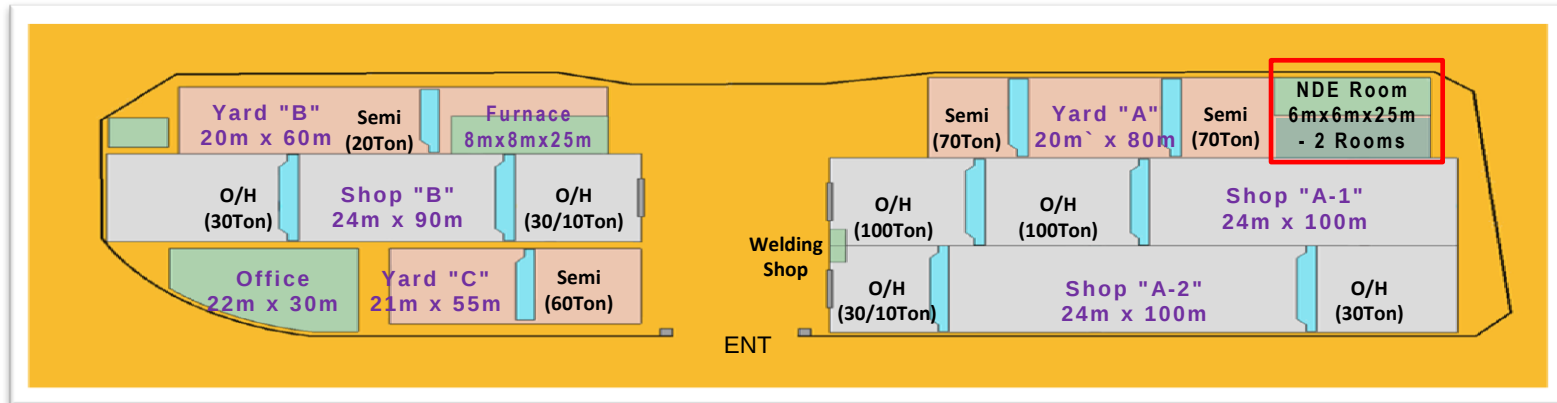
Yard	Size	Area	Crane
Yard "A"	20.0m(W) x 83m(L) x 13m(H)	1,600 M2	70 ton x 2 sets
Yard "B"	20.0m(W) x 60m(L) x 13m(H)	1,200 M2	20 ton x 1 sets
Yard "C"	21.0m(W) x 55m(L) x 21m(H)	1,000 M2	60 ton x 2 sets

1-3. Factory & Head Office



	Size	Area	Remark
PWHT	8.0m(W) x 8.0m(H) x 25.0m(L)	-	

1-3. Factory & Head Office

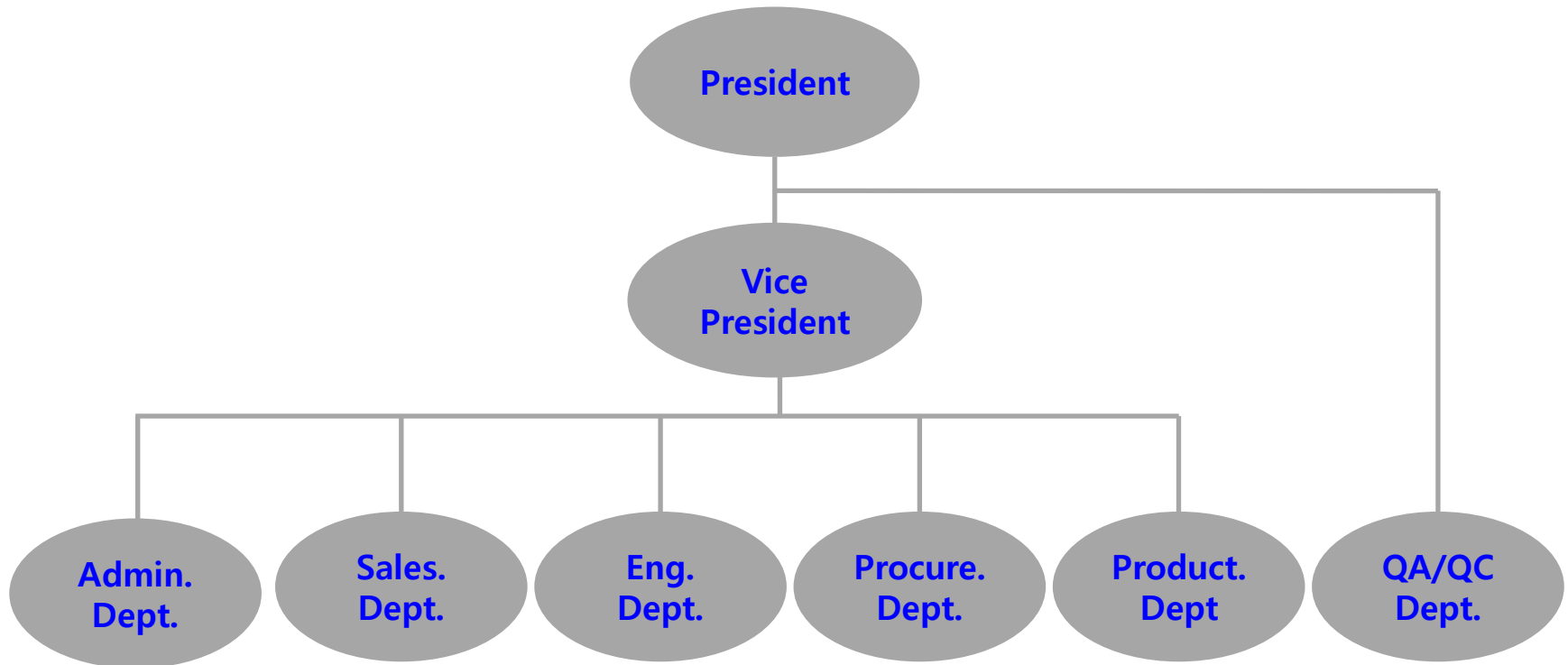


	Size	Area	Crane
RT Room	6.0m(W) x 6.0m(H) x 25.0m(L)	-	70 ton x 2 sets
RT Room	6.0m(W) x 6.0m(H) x 25.0m(L)	-	

2. Business Area

Oil & Gas Refinery Plant	Power Plant	Skid Module
Pressure Vessel Heat Exchanger Reactor Tower & Column	Steam Drum Feed Water Heater Steam Condenser Deaerator	PSA Valve Skid On/Offshore Skid
		

3. Organization



4. Product & Capacity

1) Product

Equipment for Oil & Gas, Refinery

- Shell & Tube Heat Exchanger
- Pressure Vessels, Drum
- Reactor
- Tower & Column

Equipment for Power Plant

- HP, IP, LP Drum
- Feed water Heater
- Condenser
- Deaerator

Skid Module for PSA

- Valve Skid
- On/Offshore Skid



4. Product & Capacity

2) Capacity

Material

Carbon Steel, Clad Steel,
Stainless, (Duplex, 904L Stainless Steel)
Cr-Mo Steel,
Cu-Ni Steel, Cu Alloy,
Ni Alloy Steel (Hastelloy)
Titanium



4. Product & Capacity

2) Capacity

Size & Weight

Max. Diameter : 8,000 mm
Max. Thickness : 180 mm
Max. Weight : 800 Ton /set

Annual Capacity

Annual Capacity : 12,000 Ton / Year



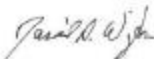
5. Design Facility

Software	Mechanical Calculation	Compress	For Strength Calculation
		PV Elite	For Strength Calculation (Sub)
	Thermal Calculation	HTRI	For Heat Exchanger Thermal Calculation (Sub)
	Analysis	NISA	For Stress Analysis, Fatigue Analysis (Sub)
	2D Design Program	Auto Cad	Drawing
	Cutting & Piercing Program	CNC	Program for cutting & piercing hole exactly.



6. Certificate

ASME U, U2, S, PP

The American Society of Mechanical Engineers		The American Society of Mechanical Engineers		The American Society of Mechanical Engineers		The American Society of Mechanical Engineers	
				CERTIFICATE OF AUTHORIZATION			
The named co (ASME) for the the ASME Bol authority grant agreement set mark shall hav and Pressure \	The named o (ASME) for the the ASME Bol authority grant agreement set mark shall hav and Pressure \	The named o (ASME) for the the ASME Bol authority grant agreement set mark shall hav and Pressure \	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:	COMPANY:	COMPANY:	COMPANY:	UPL Co., Ltd. 129-19, Cheoyongsaneop-Ro, Onsan-Eup Ulsan-Gun, Ulsan 689-892 Republic of Korea			
SCOPE:	SCOPE:	SCOPE:	SCOPE:	SCOPE:			
Manufacture	Manufacture c the above	Manufacture c	Fabrication and assembly of pressure piping at the above location and field sites controlled by the above location				
AUTHORIZED:	AUTHORIZED:	AUTHORIZED:	AUTHORIZED:	November 6, 2013			
EXPIRES:	EXPIRES:	EXPIRES:	EXPIRES:	November 6, 2016			
CERTIFICATE	CERTIFICATE	CERTIFICATE	CERTIFICATE	CERTIFICATE NUMBER: 46,868			
				 Vice President, Conformity Assessment  Director, Conformity Assessment			

6. Certificate

ISO9001, ISO14001, OHSAS18001, ISO3834-2 (EN), Lloyd's Register

HSB REGISTRAT
CLITICAL I
14F, KCCI BUILDING, 45,
JUNG-GU, SE
Certificate of
This is to cert
ULP Co.
129-19, Cheoyongsaneop-ro, Onsa
Has established and applied a Quality
**Design/Development, Man
Pressure**
Proof has been furnished that the
ISO 9001:2008
are fulfill
EA Code: 17
Certificate Number: CL-K Q 1361
Original Certification Date: 10/12/2007
Transfer Audit Date: 9/24/2008
Effective Date: 10/12/2011
Expiration Date: 10/12/2016
Revision Date:
Stephan C. Giel
Signed on behalf of HSB Registration Services
This certificate is issued under the accreditation
591 East Stockfield Road
Certificate Number: CL-K Q 1361

Certificate of Registration
This is to certify that the Environmental Management System of
ULP Co., Ltd.
#186-13, Seongam-dong, Nam-gu, Seoul
Design/Development, Manufacture and Service of Pressure Vessels
Has been assessed by ACE Registrar
the Environmental Management System
ISO 14001:2004 / KS I ISO 14001
JAS-ANZ IAF
Original Date of Certification: 24 November 2011
Date of Expiry: 23 November 2014
Certification Body: ACE REGISTRAR CO.
A-604, Digital Empire Bldg., Youngtong-dong, Youngtong-gu, Seoul
Tel: 82-31-303-4594-5 Fax: 82-31-303-4594
*Identification of Certified Company: www.aceark.com
Identification of Certified Company -> Certification

Certificate of Registration
This is to certify that the Occupational Health and Safety Assessment of
ULP Co., Ltd.
#186-13, Seongam-dong, Nam-gu, Seoul
Design/Development, Manufacture and Service of Pressure Vessels
Has been assessed by ACE Registrar
Occupational Health and Safety Assessment
OHSAS 18001:2007
Original Date of Certification: 24 November 2011
Date of Expiry: 23 November 2014
Certification Body: ACE REGISTRAR CO.
A-604, Digital Empire Bldg., Youngtong-dong, Youngtong-gu, Seoul
Tel: 82-31-303-4594-5 Fax: 82-31-303-4594
*Identification of Certified Company: www.aceark.com
Identification of Certified Company -> Certification

CERTIFICATE
relative to
for producer of metallic materials in accordance with quality requirements according to ISO 3834-2 (EN)
Bureau Veritas certifies that the above Company complies with the standard ISO 3834-2 (EN) 2005 welding of metallic materials - Part 2: Comprehensive requirements. Bureau Veritas requirements for
This certificate is valid until: September 08th, 2013
Audit report N° 1.48.021.01A-ULP-01
On condition to satisfy continuously to quality requirements qualified for this.
Made at: BV Seoul in Korea
Auditor: Heon PARK Signed by: *[Signature]*
Manager for Industry of Bureau Veritas Korea
On: September 08th, 2013
This certificate is delivered in accordance with Bureau Veritas
*To complete the required part
P3 Express services under new conditions

Certificate No : MD0014401/0001/FW
ULP CO., LTD.
129-19, Cheoyongsaneop-ro, Onsan-eup, Ulsu-gun
Ulsan
689-892
Korea
has been approved as a manufacturer in accordance with the requirements of Lloyd's Register for :-
Fusion Welded Pressure Vessels Class 1
This approval is subject to compliance with the Lloyd's Register Rules for the Classification of Ships. The full details of the processes, products and grades to which this approval applies are given in the Appendix of this Certificate.
Lloyd's Register is to be notified of any change that may affect the validity of this Certificate.
This Certificate is issued to the above manufacturer and is valid until the date given below.
Valid Until : 03 October 2017
Date of Issue : 04 November 2014
Jaspal Nirankari
Principal Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register group.
Lloyd's Register and variants of it are trading names of Lloyd's Register Group Limited, its subsidiaries and affiliates. Lloyd's Register Group Limited, its officers and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as "Lloyd's Register". Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or for any other reason, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

7. Client



8. Experience

Heavy Wall Drum



Yeosu #1 Project

Site / Client : Korea / Doosan Heavy Industries & Construction Co., Ltd.

Delivery Date : 2014.07. 30

Size (Major) : 135t x ID 1,676 x 34,000L

Weight : 246 Ton / 1unit

Quantity : 1 unit

Material : SA302-C

8. Experience

Heavy Wall Drum



Tran Canada Project

Site / Client : Canada / Vogt Power

Delivery Date : 2015.05. 30

Size (Major) : 165t x ID 2,133 x 13,411L

Weight : 147.5 Ton / 1unit (HP)

Quantity : 2 unit

Material : SA299-B

8. Experience

Heavy Wall Drum

Bouchain Project

Site / Client : France / CMI

Delivery Date : 2013.10.19

Size (Major) : 132t x ID 2021 x 11260L

Weight : HP 172.3 Ton / 1unit

IP 26.2 Ton / 1unit

LP 27.7 Ton / 1unit

Quantity : 1 unit (1HP, 1IP, 1LP, 1BDT, 1FST)

Material : SA302-B



8. Experience

Heavy Wall Drum



Samsun Project

Site / Client : Turkey / Doosan Heavy Industries & Construction Co., Ltd.

Delivery Date : 2009.06.30

Size (Major) : 148t x ID 2184 x 17800L

Weight : HP 167 Ton / 1unit
IP 18 Ton / 1unit
LP 26 Ton / 1unit

Quantity : 2 units (2HP, 2IP, 2LP)

Material : SA302-C / SA516-70

8. Experience

Heavy Wall Drum

OMV Brazil Project

Site / Client : Romania / Doosan Heavy Industries & Construction Co., Ltd.

Delivery Date : 2009.10.03

Size (Major) : 107t x ID 1930 x 16000L

Weight : HP 92 Ton / 1unit
IP 17 Ton / 1unit
LP 28 Ton / 1unit

Quantity : 2 units (2HP, 2IP, 2LP)

Material : SA299-B / SA516-70



8. Experience

Heavy Wall Drum



Erzin Project

Site / Client : Turkey / Doosan Heavy Industries & Construction Co., Ltd.

Delivery Date : 2012.11.10

Size (Major) : 124t x ID 2240 x 15600L

Weight : HP 146 Ton / 1unit

IP 19 Ton / 1unit

LP 34.6 Ton / 1unit

Quantity : 2 units (2HP, 2IP, 2LP)

Material : SA299-B / SA516-70

8. Experience

Heavy Wall Drum



Qatalum HRSG

Site / Client : Qatar / Doosan Heavy Industries & Construction Co., Ltd.

Delivery Date : 2009.09.30

Size (Major) : 107t x ID 2400 x 15000L

Weight : HP 118 Ton / 1unit
LP 38 Ton / 1unit

Quantity : 4 units (4HP, 4LP)

Material : SA299-B

8. Experience

Heavy Wall Drum

Ras Laffan Project

Site / Client : Qatar / Doosan Heavy
Industries & Construction Co., Ltd.

Delivery Date : 2009.04.09

Size (Major) : 83t x ID 1950 x 16000L

Weight : 77 Ton / 1unit

Quantity : 8units (8HP)

Material : SA302-C



8. Experience

Heavy Wall Drum



Shuweihat Project

Site / Client : UAE / Doosan Heavy Industries & Construction Co., Ltd.

Delivery Date : 2009.12.31

Size (Major) : 88t x ID 2500 x 18000L

Weight : 127 Ton / 1unit

Quantity : 4 units (4HP)

Material : SA299-B

8. Experience

Condenser



Mexico Project

Site / Client : Mexico / Hitachi Power

Delivery Date : 2016. 01. 25

Size (Major) : 5,200 W x 3,150 x 9,330L

Tube : 19.05 OD x 0.4 t x 7,504 – 3,126 pcs

Weight : 34.2 Ton / 1unit

Quantity : 1 unit

Material (Shell / TS / Tube)
: SS 400 / Ti Clad / Ti



8. Experience

Condenser



Handa Project

Site / Client : Japan / Hitachi Power

Delivery Date : 2016. 05. 10

Size (Major) : 7,850 W x 5,300 x 11,430L

Tube : 22.22 OD x 0.4 t x 8,370 – 8,476 pcs

Weight : 71.0 Ton / 1unit

Quantity : 1 unit

Material (Shell / TS / Tube)

: SS 400 / SS400 / Ti

8. Experience

Heat Exchanger

MVR Heat Exchanger

Type : BKL

Client : Samsung Everland (S-OIL)

Delivery Date : 2013. 06

Item No. : E-40051AB

Size : Shell – OD3400x t19 x 11106.5L

Tube – OD19.05 x t2.11 x 8000L / 8820ea

Weight : 107 Ton / 1unit

Quantity: 2units

Material : Shell - SA516-70

Tube – SA179



8. Experience

Heat Exchanger



MVR Heat Exchanger

Type : BEL

Client : Samsung Everland (S-OIL)

Delivery Date : 2013. 06

Item No. : E-40214AB

Size : Shell – OD1965 x t13 x 11210L

Tube – OD25.4 x t2.77 x 6000L / 3247ea

Weight : 51.7 Ton / 1unit (total 2units)

Quantity: 2units

Material : Shell - SA516-70

Tube - SA179

8. Experience

Heat Exchanger



Asphalt PG Project

Type : BEU / Double tube-sheet type

Client : S-OIL

Delivery Date : 2012. 03

Item No. : E-5372

Size : Shell - OD1780 x t16 x 6250L

Tube - OD19.05 x t2.11 x 6150L / 1690ea

Weight : 45.7 Ton / 1unit

Quantity: 1unit

Material : Shell - SA516-70

Tube - SA179

8. Experience

Heat Exchanger



#3 CRUDE UNIT

Type : AES

Client : S-OIL

Delivery Date : 2011.01

Item No. : E-16112A

Size : Shell - OD881 x t13 x 7599L

Tube - OD19.05 x t1.65 x 6100L / 728 ea

Weight : 8.7 Ton / 1unit

Quantity: 1unit

Material : Shell - SA516-70

Tube - C44300

8. Experience

Heat Exchanger

NAPHTHA

Type : AES

Client : S-OIL

Delivery Date : 2010.12

Item No. : E-7115

Size : Shell - OD1096 x t13 x 5700L

Tube - OD19.05 x t2.11 x 6000L / 1094 ea

Weight : 12.5 Ton / 1unit

Quantity: 1unit

Material : Shell - SA516-70

Tube – SA179



8. Experience

Pressure Vessel

#2HDS Project

Type : Hot Separator

Site / Client : Korea / S-OIL

Delivery Date : 2012.02.15

Size : 35t x ID 2200 x 9000L

Weight : 21 Ton / 1unit

Quantity: 1unit

Material : SA516-70



8. Experience

Pressure Vessel

Mongduong II Project

Site / Client : Vietnam / Doosan Heavy
Industries & Construction Co., Ltd.

Delivery Date : 2013.05.10

Size (Major) : 10t x ID 3800 x 10554L

Weight : 17.6 Ton

Quantity : 1unit

Material : SA516-70



8. Experience

Pressure Vessel

Reliance Project

Type : Pressure Vessel

Site / Client : India / Reliance

Delivery Date : 2014.06.25

Size (Major) : 20t x ID 1350 x 1600L

Weight : 13.7 Ton / 1unit

Quantity: 15 units

Material : SA240-304L



8. Experience

Tower



HYC TOWER

Service : Wash Column Tower

Site / Client : Korea / S-OIL

Delivery Date : 2013. 2.6

Size (Major) : 19t x ID 1200 x 19950L

Weight : 16 Ton / 1unit

Quantity: 1 unit

Material : A516-70 + 304L S.S CLAD

8. Experience

Skid Module



PSA SKID

Service : Valve Skid

Site / Client : Korea / UOP

Delivery Date : 2013. 09. 30

Size (Major) : 4000H x 3980W x 31000L

Weight : 50Ton

Quantity : 1lot

Material : A106-B

8. Experience

Skid Module

PSA SKID

Service : Valve Skid

Site / Client : Thailand / UOP

Delivery Date : 2014. 06. 30

Size (Major) : 4287H x 4000W x 32320L

Weight : 110Ton

Quantity: 1lot

Material : A106-B



8. Experience

Skid Module



PSA SKID

Service : Valve Skid

Site / Client : Qatar / UOP

Delivery Date : 2014. 07. 30

Size (Major) : 3200H x 3150W x 18600L

Weight : 42Ton

Quantity: 1lot

Material : A106-B

8. Experience

Skid Module

PSA SKID

Service : Valve Skid (PDH Project)

Site / Korea / UOP

Delivery Date : 2015. 03. 30

Size (Major) : 4300H x 4600W x 32000L

Weight : 92Ton

Quantity: 1lot

Material : A106-B



8. Experience

Skid Module



Membrane Skid

Service : Membrane Skid

Site / Client : Vietnam / UOP / Chiyoda
(NSRP Project)

Delivery Date : 2015. 07. 30

Size (Major) : 8,000H x 7,800 W x 32,000 L

Weight : 120 Ton

Quantity: 1 lot (2 Block)

Material : A106-B

8. Experience (Pressure Vessels & Steam Drum)

Project Name	Client	End-User	Location	Commodity	Q'ty	Weight (Each)	Weight (Total)	Material	Dimension (mm)			Year
									Th'k	I.D	Length	
Trans Canada	VOGT	Trans Canada	Canada	HP Steam Drum	2	147.5	295.0	SA299-B	165	2,133	13,411	2015
Duke Citrus	VOGT	Duke Energy	USA	HP Steam Drum	4	132.5	530.0	SA299-B	148	1,981	14,021	2015
Samsun	DHIC	Samsun EC	Turkey	HP Steam Drum	2	167.0	334.0	SA302-C	148	2,184	17,800	2009
Middle Town	VOGT	Middle Town	USA	HP Steam Drum	1	130.3	130.3	SA302-B	145	1,981	14,630	2016
Kings Mountain	VOGT	Kings Mountain	USA	HP Steam Drum	1	130.3	130.3	SA302-B	145	1,981	14,630	2016
Genesis Keys	VOGT	Keys Energy	USA	HP Steam Drum	2	106.0	212.0	SA302-B	142	1,981	11,887	2016
KALSEL	Sumitomo	Hyundai Engineering	Indonesia	HP Steam Drum	6	83.1	498.5	SA516-70N	138	1,524	13,800	On going
Yeosu #1	DHIC	Korea South-East Power	Korea	HP Steam Drum	1	246.0	246.0	SA302-C	135	1,676	34,000	2014
Wlodawek	DHEC	PKN Orlen	Poland	HP Steam Drum	1	108.0	108.0	P460NH	133	1,730	3,861	2014
EDF	CMI	EDF	France	HP Steam Drum	1	172.3	172.3	SA302-B	132	3,200	11,414	2013
Tung Hsiao	DHEC	MHPS	Taiwan	HP Steam Drum	6	114.5	686.9	SA299-B	129	1,850	15,438	2015
Hamitabat	CMI	Hamitabat	Turkey	HP Steam Drum	2	110.0	220.0	SA302-B	125	1,890	13,530	2016
DOII	SUMITOMO	SUMITOMO	JAPAN	HP Steam Drum	1	55.2	55.2	SA516-70	124	1,372	9,837	2015
Erzin	DHIC	Erzin Power Plant	Turkey	HP Steam Drum	2	146.0	292.0	SA299-B	124	2,240	15,600	2012
Qassim	CMI	Qassim	Saudi arabia	HP Steam Drum	12	45.8	549.0	SA299-B	114	2,730	3,340	2015
Hanam HRSG	DHEC	SKE&S	Korea	HP Steam Drum	1	92.6	92.6	SA299-B	114	3,061	12,868	2014
Intergen	DHEC	Intergen	Philippine	HP Steam Drum	1	65.0	65.0	SA299-B	114	2,073	5,636	2014
Add on C.C Unit	DHIC	Israel Electric	Israel	HP Steam Drum	3	104.8	314.4	SA299-B	113	1,980	13,500	2011
Bheramara	CMI	Bheramara	Bangladesh	HP Steam Drum	1	97.0	97.0	SA299-B	110	2,300	9,948	2015
Oseung	DHIC	SKE&S	Korea	HP Steam Drum	3	78.9	236.7	SA299-B	110	2,060	9,800	2011
MATTAWOMAN	Nooter/Eriksen	Mattawoman Power	USA	HP Steam Drum	2	85.2	170.4	SA302-B	109	1,575	14,112	On going
Edwardsport	DHIC	IGCC Station	USA	HP Steam Drum	2	95.0	190.0	SA299-B	107	2,200	13,800	2009

8. Experience (Pressure Vessels & Steam Drum)

Project Name	Client	End-User	Location	Commodity	Q'ty	Weight (Each)	Weight (Total)	Material	Dimension (mm)			Year
									Th'k	I.D	Length	
Qatalum	DHIC	S2 Ruwais	Qatar	HP Steam Drum	4	118.0	472.0	SA299-B	107	2,400	15,000	2008
Talimarjan	DHEC	TTUESU	Uzbekistan	HP Steam Drum	2	96.2	192.4	SA299-B	105	3,119	13,378	2014
Yangju	DHIC	DaeRyun Power	Yangju	HP Steam Drum	2	78.0	156.0	SA299-B	105	1,962	11,850	2012
Toul	DHIC	POWEO Toul	France	HP Steam Drum	1	75.7	75.7	SA299-B	105	1,966	11,000	2011
Tuasspring CCPP	VOGT	GMR Energy	Singapore	HP Steam Drum	1	140.0	140.0	SA299-B	104	1,828	14,935	2012
Unosugen	DHIC	Torrent Power	India	HP Steam Drum	1	97.0	97.0	SA299-B	104	1,980	14,000	2010
Qurayyah	DHIC	Saudi Electricity	Saudi Arabia	HP Steam Drum	10	76.0	760.0	SA299-B	104	1,830	11,700	2010
ST. JOSEPH	Nooter/Eriksen	Kiewit	USA	HP Steam Drum	2	68.8	137.5	SA302-B	102	1,524	13,259	On going
Duba#1 HRSG	DHEC	Saudi Electricity	Saudi arabia	HP Steam Drum	2	90.3	180.6	SA299-B	102	1,910	12,200	2015
OMV Brazi	DHIC	Petrom	Romania	HP Steam Drum	2	92.0	184.0	SA299-B	102	1,930	16,000	2009
Moundsville	VOGT	Moundsville	USA	HP Steam Drum	2	59.2	118.4	SA302-B	100	1,676	10,363	2016
SHP	SUMITOMO	SUMITOMO	JAPAN	HP Steam Drum	1	57.3	57.3	SA516-70	100	1,372	12,240	2015
Nhon Trach	DHIC	Petro Vietnam	Vietnam	HP Steam Drum	2	76.0	152.0	SA299-B	99	1,830	10,870	2010
Soharll	DHIC	Al Batinah Power	Oman	HP Steam Drum	2	81.3	162.6	SA299-B	98	1,829	13,000	2011
Barkall	DHIC	Al Batinah Power	Oman	HP Steam Drum	2	81.3	162.6	SA299-B	98	1,829	13,000	2011
Hess Oil	VOGT	HESS OIL & CHEM. CORP	USA	HP Steam Drum	2	60.1	120.2	SA299-B	96	1,677	11,000	2013
TGP	Sumitomo	Tsuruga Green Power	JAPAN	HP Steam Drum	6	37.5	37.5	SA516-70N	94	1,372	8,000	On going
MBP	SUMITOMO	SUMITOMO	JAPAN	HP Steam Drum	1	48.2	48.2	SA516-70N	93	1,372	10,864	2015
BISKRA	Doosanenc	BISKRA Power Plant	KOREA	HP Steam Drum	4	301.0	301.0	SA299-B	92	1,730	13,344	On going
UNA	SUMITOMO	SUMITOMO	JAPAN	HP Steam Drum	1	23.4	23.4	SA516-70	92	1,372	4,878	2015
Ras Al Zawr	DHIC	Saline Water Conversion	Saudi Arabia	HP Steam Drum	10	87.6	876.0	SA299-B	89	2,451	10,872	2011
Shuweihat S2	DHIC	S2 Ruwais	UAE	HP Steam Drum	4	127.0	508.0	SA299-B	88	2,500	18,000	2009

8. Experience (Pressure Vessels & Steam Drum)

Project Name	Client	End-User	Location	Commodity	Q'ty	Weight (Each)	Weight (Total)	Material	Dimension (mm)			Year
									Th'k	I.D	Length	
Los Mina	Nooter Erikson	AES Dominicana	Dominica	HP Steam Drum	2	55.2	110.4	SA516-70	85	1,850	9,754	2015
Scattergood	VOGT	Generating Station	USA	HP Steam Drum	1	58.4	58.4	SA299-B	83	1,867	10,973	2013
Ras Laffan	DHIC	Ras Girtas	Qatar	HP Steam Drum	8	77.0	616.0	SA302-C	83	1,950	16,000	2009
Azito HRSG	DHEC	Azito OCGT Power Plant Ivory Coast	Cote d'Ivoire	HP Steam Drum	2	73.7	147.4	SA299-B	82	3,412	12,370	2014
Djelfa	Nooter/Eriksen	Sonelgaz	Algeria	HP Steam Drum	4	50.7	202.7	SA516-70N	81	1,422	13,411	On going
KAIS	Nooter/Eriksen	Sonelgaz	Algeria	HP Steam Drum	4	50.8	203.2	SA516-70N	77	1,397	13,800	On going
FACILITY D	Nooter/Eriksen	Qatar General Electricity	QATAR	HP Steam Drum	6	83.1	498.5	SA516-70N	76	1,930	15,120	On going
MARY	CMI	Calik Enerji	Oman	HP Steam Drum	4	183.0	183.0	A99-B	74	2,010	9,000	On going
El Campesino	NEM	Central El Campesino S.A	Chile	HP Separator	1	18.6	18.6	SA336 Gr F11	65	570	17,370	On going
Chilca Plus	Nooter Erikson	Enersur S.A .	PERU	HP Steam Drum	1	23.3	23.3	SA516-70	65	1,422	6,400	2015
Tanjung Uncang	NEM	PLN BATAM	Indonesia	HP Steam Drum	2	49.5	99.0	SA299-B	64	1,700	5,400	2014
Prai HRSG	DHEC	TNB NORTHERN ENERGY Bhd.	Malaysia	HP Separator	2	18.0	36.0	SA335-P22	60	610	18,600	2014
Samsun	DHIC	Samsun EC	Turkey	HP Separator	1	18.0	18.0	SA335-P22	60	610	18,600	2013
TVA Jonsonvill	Nooter/Eriksen	AECOM	USA	IP Steam Drum	1	42.4	42.4	SA516-70N	51	2,667	6,706	On going
Aconcagua	Nooter/Eriksen	ENAP Refinerias	Korea	HP Steam Drum	1	27.5	27.5	SA516-70N	50	2,108	6,553	On going
BPN & BPS	SUMITOMO	SUMITOMO	JAPAN	HP Steam Drum	2	10.2	20.4	SA516-70	50	1,250	3,750	2015
Qurayyah	CMI	Saudi Electricity	Saudi Arabia	IP Steam Drum	3	18.0	54.0	SA516-70	46	2,412	2,900	2011
Profertil	NEM	PROFERTIL	Argentina	HP Steam Drum	1	21.7	21.7	SA516-70	44	1,800	5,200	2013
Bheramara	CMI	Bheramara	Bangladesh	IP Steam Drum	1	12.4	12.4	SA516-70N	40	1,990	5,200	2015
Duke Citrus	VOGT	Duke Energy	USA	IP Steam Drum	4	23.9	95.6	SA516-70	36	1,524	11,887	2015
Trans Canada	VOGT	Trans Canada	Canada	LP Steam Drum	2	24.0	48.0	SA516-70	36	1,524	12,497	2015
Genesis Keys	VOGT	Keys Energy	USA	IP Steam Drum	2	14.1	28.2	SA516-70	35	1,524	5,791	2016

8. Experience (Pressure Vessels & Steam Drum)

Project Name	Client	End-User	Location	Commodity	Q'ty	Weight (Each)	Weight (Total)	Material	Dimension (mm)			Year
									Th'k	I.D	Length	
EDF	CMI	EDF	France	IP Steam Drum	1	26.2	26.2	A516-70	35	1,720	11,414	2013
El Campesino	NEM	Central El Campesino S.A	Chile	IP Steam Drum	1	27.2	27.2	SA516-70	32	1,450	18,200	On going
Djelfa	Nooter/Eriksen	Sonelgaz	Algeria	IP Steam Drum	4	15.2	60.7	SA516-70N	32	1,219	12,192	On going
Tung Hsiao	DHEC	MHPS	Taiwan	IP Steam Drum	6	16.8	100.9	SA516-70	31	1,524	11,000	2015
Hanam HRSG	DHEC	SKE&S	Korea	IP Steam Drum	1	14.2	14.2	SA516-70	31	1,973	8,500	2014
Oseung	DHIC	SKE&S	Korea	IP Steam Drum	3	12.8	38.4	SA516-70	31	1,561	6,900	2011
Qurayyah	DHIC	Saudi Electricity	Saudi Arabia	IP Steam Drum	10	12.0	120.0	SA516-70	31	1,524	7,000	2010
Hamitabat	CMI	Hamitabat	Turkey	LP Steam Drum	2	17.7	35.4	SA516-70	30	1,400	13,529	2016
Prai HRSG	DHEC	TNB NORTHERN ENERGY Bhd.	Malaysia	IP Steam Drum	2	25.4	50.8	SA516-70	30	1,519	17,500	2014
Samsun	DHIC	Samsun EC	Turkey	IP Steam Drum	1	22.0	22.0	SA516-70	30	1,524	14,700	2013
Hess Oil	VOGT	HESS OIL & CHEM. CORP	USA	IP Steam Drum	2	16.3	32.6	SA516-70	29	1,524	9,144	2013
Tuasspring CCPP	VOGT	GMR Energy	Singapore	IP Steam Drum	1	27.6	27.6	SA516-70	29	1,524	15,240	2012
MATTAWOMAN	Nooter/Eriksen	Mattawoman Power	USA	IP Steam Drum	2	16.7	33.4	SA516-70	28	1,219	13,259	On going
Erzin	DHIC	Erzin Power Plant	Turkey	IP Steam Drum	2	19.0	38.0	SA516-70	27	1,542	13,000	2012
ST. JOSEPH	Nooter/Eriksen	Kiewit	USA	IP Steam Drum	2	11.5	23.0	SA516-70	26	1,219	10,592	On going
Moundsville	VOGT	Moundsville	USA	IP Steam Drum	2	14.0	28.0	SA516-70	26	1,524	8,534	2016
Genesis Keys	VOGT	Keys Energy	USA	LP Steam Drum	2	28.3	56.6	SA516-70	26	2,743	11,277	2016
Middle Town	VOGT	Middle Town	USA	IP Steam Drum	1	22.5	22.5	SA516-70	26	1,524	14,020	2016
Kings Mountain	VOGT	Kings Mountain	USA	IP Steam Drum	1	22.5	22.5	SA516-70	26	1,524	14,020	2016
Wlodawek	DHEC	PKN Orlen	Poland	IP Steam Drum	1	18.6	18.6	P355NH	26	3,500	4,857	2014
Soharll	DHIC	Al Batinah Power	Oman	IP Steam Drum	2	14.0	28.0	SA516-70	26	1,550	8,700	2011
Barkall	DHIC	Al Batinah Power	Oman	IP Steam Drum	2	14.0	28.0	SA516-70	26	1,550	8,700	2011

8. Experience (Pressure Vessels & Steam Drum)

Project Name	Client	End-User	Location	Commodity	Q'ty	Weight (Each)	Weight (Total)	Material	Dimension (mm)			Year
									Th'k	I.D	Length	
Los Mina	Nooter Erikson	AES Dominicana	Dominica	LP Steam Drum	2	30.8	61.6	SA516-70	25	2,950	9,430	2015
Yangju	DHIC	DaeRyun Power	Yangju	IP Steam Drum	2	12.1	24.2	SA516-70	25	1,530	8,400	2012
Toul	DHIC	POWEO Toul	France	IP Steam Drum	1	14.0	14.0	SA516-70	25	1,550	9,000	2011
Unosugen	DHIC	Torrent Power	India	IP Steam Drum	1	13.0	13.0	SA516-70	25	1,524	9,000	2010
OMV Brazi	DHIC	Petrom	Romania	IP Steam Drum	2	17.0	34.0	SA516-70	25	1,680	13,500	2009
KAIS	Nooter/Eriksen	Sonelgaz	Algeria	LP Steam Drum	4	26.3	105.2	SA516-70N	24	2,235	13,140	On going
FACILITY D	Nooter/Eriksen	Qatar General Electricity	QATAR	IP Steam Drum	6	31.7	189.9	SA516-70N	24	2,820	13,750	On going
Talimarjan	DHEC	TTUESU	Uzbekistan	IP Steam Drum	2	17.7	35.4	SA516-70	24	1,963	13,000	2014
Nhon Trach	DHIC	Petro Vietnam	Vietnam	IP Steam Drum	2	15.0	30.0	SA516-70	24	1,524	9,000	2010
ST. JOSEPH	Nooter/Eriksen	Kiewit	USA	LP Steam Drum	2	25.6	51.1	SA516-70	23	2,692	11,049	On going
Scattergood	VOGT	Generating Station	USA	IP Steam Drum	1	13.4	13.4	SA516-70	23	1,524	8,840	2013
Add on C.C Unit	DHIC	Israel Electric	Israel	IP Steam Drum	3	15.3	45.9	SA516-70	23	1,524	8,700	2011
KAIS	Nooter/Eriksen	Sonelgaz	Algeria	IP Steam Drum	4	11.6	46.4	SA516-70N	22	1,219	12,550	On going
BISKRA	Doosanenc	BISKRA Power Plant	Korea	LP Steam Drum	4	99.6	99.6	SA516-70N	21	2,290	13,000	On going
Duba#1 HRSG	DHEC	Saudi Electricity	Saudi arabia	IP Steam Drum	2	18.3	36.6	SA516-70	21	1,750	9,900	2015
Talimarjan	DHEC	TTUESU	Uzbekistan	LP Steam Drum	2	15.6	31.2	SA516-70	21	1,956	13,000	2014
Hanam HRSG	DHEC	SKE&S	Korea	LP Steam Drum	1	28.9	28.9	SA516-70	21	3,884	12,500	2014
Azito HRSG	DHEC	Azito OCGT Power Plant Ivory Coast	Cote d'Ivoire	LP Steam Drum	2	10.6	21.2	SA516-70	21	1,961	10,000	2014
Prai HRSG	DHEC	TNB NORTHERN ENERGY Bhd.	Malaysia	LP Steam Drum	2	17.7	35.4	SA516-70	21	1,524	17,500	2014
Interger	DHEC	Interger	Philippine	IP Steam Drum	1	11.4	11.4	SA516-70	21	3,000	4,853	2014
Interger	DHEC	Interger	Philippine	LP Steam Drum	1	17.2	17.2	SA516-70	21	3,666	6,600	2014
Wlodek	DHEC	PKN Orlen	Poland	LP Steam Drum	1	31.4	31.4	P275NH	21	3,700	8,705	2014

8. Experience (Pressure Vessels & Steam Drum)

Project Name	Client	End-User	Location	Commodity	Q'ty	Weight (Each)	Weight (Total)	Material	Dimension (mm)			Year
									Th'k	I.D	Length	
Samsun	DHIC	Samsun EC	Turkey	LP Steam Drum	1	14.8	14.8	SA516-70	21	1,524	14,700	2013
Yangju	DHIC	DaeRyun Power	Yangju	LP Steam Drum	2	30.3	60.6	SA516-70	21	3,400	11,200	2012
Erzin	DHIC	Erzin Power Plant	Turkey	LP Steam Drum	2	34.6	69.2	SA516-70	21	2,680	16,000	2012
Add on C.C Unit	DHIC	Israel Electric	Israel	LP Steam Drum	3	15.8	47.4	SA516-70	21	1,524	10,800	2011
Oseung	DHIC	SKE&S	Korea	LP Steam Drum	3	22.6	67.8	SA516-70	21	2,621	9,600	2011
Soharll	DHIC	Al Batinah Power	Oman	LP Steam Drum	2	13.7	27.4	SA516-70	21	1,545	10,800	2011
Barkall	DHIC	Al Batinah Power	Oman	LP Steam Drum	2	13.7	27.4	SA516-70	21	1,545	10,800	2011
Toul	DHIC	POWEO Toul	France	LP Steam Drum	1	13.8	13.8	SA516-70	21	1,545	11,000	2011
Unosugen	DHIC	Torrent Power	India	LP Steam Drum	1	10.0	10.0	SA516-70	21	1,524	9,000	2010
Qurayyah	DHIC	Saudi Electricity	Saudi Arabia	LP Steam Drum	10	23.0	230.0	SA516-70	21	2,690	11,000	2010
Nhon Trach	DHIC	Petro Vietnam	Vietnam	LP Steam Drum	2	12.0	24.0	SA516-70	21	1,524	9,000	2010
Samsun	DHIC	Samsun EC	Turkey	IP Steam Drum	2	18.0	36.0	SA516-70	21	1,600	11,600	2009
Aconcagua	Nooter/Eriksen	ENAP Refinerias	Korea	IP Steam Drum	1	18.4	18.4	SA516-70N	20	3,277	6,553	On going
Hamitabat	CMI	Hamitabat	Turkey	IP Steam Drum	2	2.7	5.4	SA516-70	20	1,420	16,800	2016
Trans Canada	VOGT	Trans Canada	Canada	IP Steam Drum	2	27.0	54.0	SA516-70	20	2,590	15,240	2015
EDF	CMI	EDF	France	LP Steam Drum	1	27.7	27.7	A516-70	20	3,200	13,310	2013
Qurayyah	CMI	Saudi Electricity	Saudi Arabia	LP Steam Drum	3	28.0	84.0	SA516-70	20	3,000	10,040	2011
Tanjung Uncang	NEM	PLN BATAM	Indonesia	LP Steam Drum	2	22.3	44.6	SA516-70	19	2,350	5,400	2014
Tung Hsiao	DHEC	MHPS	Taiwan	LP Steam Drum	6	9.6	57.6	SA516-70	18	1,524	11,000	2015
Duke Citrus	VOGT	Duke Energy	USA	LP Steam Drum	4	22.2	88.8	SA516-70	17	2,591	14,203	2015
Edwardsport	DHIC	IGCC Station	USA	LP Steam Drum	2	32.0	64.0	SA516-70	17	3,200	14,000	2009
Qatalum	DHIC	S2 Ruwais	Qatar	LP Steam Drum	4	38.0	152.0	SA299-B	17	4,000	15,000	2008

8. Experience (Pressure Vessels & Steam Drum)

Project Name	Client	End-User	Location	Commodity	Q'ty	Weight (Each)	Weight (Total)	Material	Dimension (mm)			Year
									Th'k	I.D	Length	
MATTAWOMAN	Nooter/Eriksen	Mattawoman Power	USA	LP Steam Drum	2	11.4	22.7	SA516-70	16	1,422	12,649	On going
El Campesino	NEM	Central El Campesino S.A	Chile	LP Steam Drum	1	19.8	19.8	SA516-70	16	1,800	18,200	On going
Middle Town	VOGT	Middle Town	USA	LP Steam Drum	1	20.6	20.6	SA516-70	16	2,438	142,020	2016
Kings Mountain	VOGT	Kings Mountain	USA	LP Steam Drum	1	20.6	20.6	SA516-70	16	2,438	142,020	2016
Bheramara	CMI	Bheramara	Bangladesh	LP Steam Drum	1	18.1	18.1	SA516-70N	16	2,240	5,500	2015
Scattergood	VOGT	Generating Station	USA	LP Steam Drum	1	20.1	20.1	SA516-70	16	3,048	10,364	2013
Tuasspring CCPP	VOGT	GMR Energy	Singapore	LP Steam Drum	1	31.8	31.8	SA516-70	16	1,524	15,240	2012
Shoaiiba	CMI	Saudi Electricity	Saudi	LP Steam Drum	10	7.8	78.0	SA516-70	16	1,868	4,250	2012
Djelfa	Nooter/Eriksen	Sonelgaz	Algeria	LP Steam Drum	4	4.0	15.9	SA516-70N	15	2,388	12,802	On going
OMV Brazi	DHIC	Petrom	Romania	LP Steam Drum	2	28.0	56.0	SA516-70	15	2,800	15,500	2009
Samsun	DHIC	Samsun EC	Turkey	LP Steam Drum	2	26.0	52.0	SA516-70	15	2,850	16,400	2009
Moundsville	VOGT	Moundsville	USA	LP Steam Drum	2	16.8	33.6	SA516-70	13	2,896	10,688	2016
Chilca Plus	Nooter Erikson	Enersur S.A .	PERU	LP Steam Drum	1	4.7	4.7	SA516-70	13	1,219	5,180	2015
Hess Oil	VOGT	HESS OIL & CHEM. CORP	USA	LP Steam Drum	2	16.3	32.6	SA516-70	13	2,744	11,000	2013
RFCC D1-232	S-OIL	S-OIL	KOREA	Steam Drum	1	48.8	48.8	A516-70N	25	3,800	13,600	On going
RFCC D1-232	S-OIL	S-OIL	KOREA	Steam Drum	1	84.9	84.9	A516-70N	30	4,800	16,100	On going
RFCC D1-232	S-OIL	S-OIL	KOREA	Steam Drum	1	18.1	18.1	A516-70N	18	2,300	6,700	On going
RFCC D1-232	S-OIL	S-OIL	KOREA	Steam Drum	1	170.7	170.7	A516-60N+S5	46	5,800	17,200	On going
RFCC D1-232	S-OIL	S-OIL	KOREA	Steam Drum	1	139.6	139.6	A516-60N+S5	49	4,800	15,950	On going
RFCC D1-232	S-OIL	S-OIL	KOREA	Steam Drum	1	247.2	247.2	A516-60N+S5	64	5,900	18,800	On going
RFCC D1-232	S-OIL	S-OIL	KOREA	Steam Drum	1	86.6	86.6	A516-70N+S5	51	3,600	13,000	On going

8. Experience (S&T type Heat Exchanger)

Project Name	Client	End-User	Location	Commodity	Q'ty	Weight (Each)	Weight (Total)	Material	Dimension (mm)			Year
									Th'k	I.D	Length	
RFCC D1-255	S-Oil	S-Oil	Korea	Heat Exchanger	2	49.6	99.2	A516-70N	44	1,350	6,000	On going
RFCC D1-255	S-Oil	S-Oil	Korea	Heat Exchanger	3	82.4	247.2	A516-70N	36	1,650	6,200	On going
RFCC D1-255	S-Oil	S-Oil	Korea	Heat Exchanger	3	102.2	306.6	A516-70N	38	1,800	6,400	On going
RFCC D1-255	S-Oil	S-Oil	Korea	Heat Exchanger	4	181.7	726.8	A516-60N	95	2,750	7,300	On going
RFCC D1-255	S-Oil	S-Oil	Korea	Heat Exchanger	4	55.8	223.2	A516-70N	28	1,750	6,000	On going
RFCC D1-255	S-Oil	S-Oil	Korea	Heat Exchanger	4	158.0	632.0	A516-70N	23	2,475	12,000	On going
RFCC D1-255	S-Oil	S-Oil	Korea	Heat Exchanger	1	0.4	0.4	A516-70N	14	87	5,000	On going
RFCC D1-255	S-Oil	S-Oil	Korea	Heat Exchanger	1	18.7	18.7	A516-70N	23	1,200	3,658	On going
RFCC D1-255	S-Oil	S-Oil	Korea	Heat Exchanger	1	9.8	9.8	A516-70N	18	900	3,000	On going
RFCC D1-255	S-Oil	S-Oil	Korea	Heat Exchanger	1	2.6	2.6	A516-70N	10	470	3,000	On going
RFCC D1-255	S-Oil	S-Oil	Korea	Heat Exchanger	1	22.0	22.0	A516-70N	20	1,000	5,000	On going
RFCC D1-255	S-Oil	S-Oil	Korea	Heat Exchanger	1	27.2	27.2	A516-70N	26	1,050	6,000	On going
RFCC D1-255	S-Oil	S-Oil	Korea	Heat Exchanger	1	9.3	9.3	A516-70N	25	600	5,000	On going
RFCC D1-255	S-Oil	S-Oil	Korea	Heat Exchanger	2	95.5	191.0	A516-70N	68	2,150	3,658	On going
RFCC D1-255	S-Oil	S-Oil	Korea	Heat Exchanger	1	25.9	25.9	A516-70N	46	1,200	3,000	On going
RFCC D1-255	S-Oil	S-Oil	Korea	Heat Exchanger	1	22.8	22.8	A516-70N	45	1,150	3,000	On going
RFCC D1-255	S-Oil	S-Oil	Korea	Heat Exchanger	1	2.2	2.2	A516-70N	16	350	3,000	On going
H-BEM	SK ENERGY	SK ENERGY	Korea	Heat Exchanger	1	0.2	0.2	A106-B / A213-304	10	305	694	On going
CCCP in Thailand	Hitachi Power Solution	IHI	Thailand	Condenser	1	66.3	66.3	C.S / Al Brass	40	3,000	7,467	On going
Handa	Hitachi Power Solution	HPS	JAPAN	Condenser	1	50.7	50.7	C.S / JIS TTH340W	40	3,000	7,467	On going
75MW Class Biomass	Hitachi Power Solution	FUJI ELECTRICS	Japan	Condenser	1	71.0	71.0	SS400/ JIS TTH340W	14	3700	11430	On going
ECH2 MVR	SCT	Samsung Fine Chemical	Korea	Heat Exchanger	1	4.2	4.2	A516-70 / A213-304	12	2,570	6,000	2015

8. Experience (S&T type Heat Exchanger)

Project Name	Client	End-User	Location	Commodity	Q'ty	Weight (Each)	Weight (Total)	Material	Dimension (mm)			Year
									Th'k	I.D	Length	
Gala Assets	Hitachi Power Solution	SHIN NIPPON MACHINERY	Mexico	Condenser	1	33.9	33.9	SS400/B338-2	13	2600	9330	2016
Catcher FPSO	UOP NV	Premier Oil UK Limited	North Sea	Heat Exchanger	2	4.0	8.0	SA516-70N/SS316L	26	500	2300	2015
Linear Alkyl Benzene	EDWARD	LABIX	Thailand	Condenser	1	-		SA516-60HIC	14	1250	4877	2014
Linear Alkyl Benzene	EDWARD	LABIX	Thailand	Condenser	1	-		SA516-60HIC	14	305	2438	2014
Tripoli West	DHIC	GECOL	Libya	Fuel Oil Heater	8	3.5	28.0	SA516-70 / SA179	12	620	5835	2014
Mong Duong	DHIC	AES-VCM	Vietnam	Fuel Oil Heater	2	5.8	11.6	SA516-70 / SA179	16	750	4870	2013
Mong Duong	DHIC	AES-VCM	Vietnam	Recirculation Heat	1	1.6	1.6	SA516-70 / SA179	10	460	2855	2013
Mong Duong	DHIC	AES-VCM	Vietnam	Oil Suction Heater	2	0.6	1.2	SA516-70N / SA179	11	304	2607	2013
Mong Duong	DHIC	AES-VCM	Vietnam	OIL Return Cooler	1	2.2	2.2	SA516-70N / SA179	15	429	4751	2013
MVR (E-40051A/B)	Samsung	S-Oil	Korea	Heat Exchanger	2	102.0	204.0	SA516-70 / A179	19	2420/3360	11036	2013
MVR (E-40214A/B)	Samsung	S-Oil	Korea	Heat Exchanger	2	49.0	98.0	SA516-70 / A179	15	1965	9219	2013
Cartagena	CB&I	REFICA	Colombia	Heat Exchanger	3	13.0	39.0	SA516-70N+410S / SA216-TP410	14	1205	6465	2012
Cartagena	CB&I	REFICA	Colombia	Heat Exchanger	1	7.6	7.6	SA516-70N+316L / SA213-TP316L	13	788	6134	2012
Cartagena	CB&I	REFICA	Colombia	Heat Exchanger	1	9.0	9.0	SA516-70N+304L / SA213-TP304L	12+3.2	940	7533	2012
Cartagena	CB&I	REFICA	Colombia	Heat Exchanger	2	27.5	55.0	SA516-70N(H) / SA179	16	1524	8013	2012
Cartagena	CB&I	REFICA	Colombia	Heat Exchanger	2	22.0	44.0	SA516-70N(H) / SA179	16	1621	8053	2012
Cartagena	CB&I	REFICA	Colombia	Heat Exchanger	1	2.9	2.9	SA516-70N / SA334-6	13	432	5792	2012
Cartagena	CB&I	REFICA	Colombia	Heat Exchanger	2	8.7	17.4	SA516-70N / SA213-TP317L	17	889	6269	2012
Cartagena	CB&I	REFICA	Colombia	Heat Exchanger	2	10.0	20.0	SA516-70N / SA179	12	874	7792	2012
Cartagena	CB&I	REFICA	Colombia	Heat Exchanger	1	13.6	13.6	SA516-70N / SA179	13	1100	6651	2012
Cartagena	CB&I	REFICA	Colombia	Heat Exchanger	1	5.2	5.2	SA516-70N / SA179	15	863.6	6264	2012
Cartagena	CB&I	REFICA	Colombia	Heat Exchanger	1	5.0	5.0	SA240-S31803 / SA789-S31803	11	584.2	7197	2012

8. Experience (S&T type Heat Exchanger)

Project Name	Client	End-User	Location	Commodity	Q'ty	Weight (Each)	Weight (Total)	Material	Dimension (mm)			Year
									Th'k	I.D	Length	
#1 Aromatics	S-OIL	S-OIL	Korea	Heat Exchanger	1	12.0	12.0	A516-70 / A179	12	965	7485	2012
ASA	STYROLUTION	STYROLUTION	Korea	Heat Exchanger	1	0.9	0.9	SA516-70N(H) / SA179	10	305	4300	2012
#3 CDU	S-OIL	S-OIL	Korea	Heat Exchanger	1	6.0	6.0	A516-70 / A179	13	680	6494	2012
#3 CDU	S-OIL	S-OIL	Korea	Heat Exchanger	1	10.6	10.6	SA516-70N+410S / SA216-TP410	13	1100	4859	2012
ASPHALT PG	S-OIL	S-OIL	Korea	Heat Exchanger	1	27.8	27.8	SA516-70N+316L / SA213-TP316L	16	1750	8413	2012
MHC OGT	S-OIL	S-OIL	Korea	Heat Exchanger	1	8.2	8.2	SA516-70N(H) / SA179N	8	850	7441	2011
MHC OGT	S-OIL	S-OIL	Korea	Heat Exchanger	1	9.7	9.7	SA516-70N / SA334-7N	8	1000	7625	2011
20EA105	HYUNDAI EP	HYUNDAI EP	Korea	Heat Exchanger	1	6.6	6.6	SA516-70N / SA213-TP316L	8	895	6243	2011
DEBUTANIZER	S-OIL	S-OIL	Korea	Heat Exchanger	1	6.1	6.1	SA516-70N+304L / SA213-TP304L	13	679	7506	2011
#2 CDU (E-11956)	S-OIL	S-OIL	Korea	Heat Exchanger	2	4.1	8.2	SA516-70N(H) / SA179	18	670	4788	2011
#1/2 SULFOLANE	S-OIL	S-OIL	Korea	Heat Exchanger	2	1.8	3.6	SA516-70N(H) / SA179	10	350	6963	2011
DEETHANIZER	S-OIL	S-OIL	Korea	Heat Exchanger	2	2.2	4.4	SA516-70N / SA334-6	12	540	4814	2011
DEETHANIZER	S-OIL	S-OIL	Korea	Heat Exchanger	1	6.8	6.8	SA516-70N / SA213-TP316L	10	695	7383	2011
C5C6 NAPHTHA	S-OIL	S-OIL	Korea	Heat Exchanger	1	12.5	12.5	SA516-70N / SA179	13	1070	7363	2010
#2 PP DRYER	SK ENERGY	SK ENERGY	Korea	Heat Exchanger	1	1.2	1.2	SA516-70N+410S / SA216-TP410	10	450/750	3673	2010
LPG RECOVERY	S-OIL	S-OIL	Korea	Heat Exchanger	1	13.2	13.2	SA516-70N+316L / SA213-TP317L	14	990	7910	2011
#3 CDU DESALTER	S-OIL	S-OIL	Korea	Heat Exchanger	1	8.7	8.7	A516-70 / B111-C44300	13	881	7599	2011
R/K COOLING	FORUS	FORUS	Korea	Heat Exchanger	2	3.3	6.6	SA516-70N+304L / SA213-TP304L	10	539	6963	2010

8. Experience (Deaerator & Cr-Mo Material)

Project Name	Client	End-User	Location	Commodity	Q'ty	Weight (Each)	Weight (Total)	Material	Design		Dimension (mm)			Year
									Press. (kg/cm ²)	Temp. (°C)	Th'k	I.D	Length	
FACILITY D	Nooter/Eriksen	Kahramaa	Qatar	Dearator	3	54.0	54.0	SA516-70	-	-	14	2,134	7,315	On going
Los Mina	KANSAS CITY DEAERATOR	AES Dominicana	Dominica	Dearator	2	15.6	31.2	SA516-70	13	203	14	2,286	3,658	2015
Chilca Plus	Nooter Erikson	Enersur S.A .	PERU	Dearator	1	9.0	9.0	SA516-70	7.03	174	12	1,930	5,790	2015
Tanjung Uncang	NEM	GEO Energy	Indonesia	Dearator	2	-		SA516-70	11/FV	188	13	1,829	2,754	2014
Yangju	DHIC	Daeryun	Korea	Dearator	2	8.2	16.4	SA516-70	9/FV	180	14	2,200	4,500	2012
Oseung	DHIC	SKE&S	Korea	Dearator	3	7.5	22.5	SA516-70	8.2/FV	256	13	2,286	3,585	2011
Unosugen	DHIC	Torrent Power	India	Dearator	1	8.5	8.5	SA516-70	8.2/FV	210	17	2,590	3,500	2010
Qurayyah	DHIC	Saudi Electricity	Saudi Arabia	Dearator	10	9.3	93.0	SA516-70	19/FV	185	13	2,134	5,200	2010

Cr- Mo Material

Project Name	Client	End-User	Location	Commodity	Q'ty	Weight	Material	Design		Dimension (mm)			Year	Nozzle Rating
								Press. (kg/cm ²)	Temp. (°C)	Th'k	I.D	Length		
Samsun	DHIC	Samsun EC	Turkey	Steam Separator	1	18	SA335-P22	209	445	60	489	18600	2013	-
Samcheok Green	DHIC	Korea Southern Power	Korea	Flash Tank	2	6.2	A387-11 CL2	8.8/FV	350	15	2400	3350	2013	150
Samcheok Green	DHIC	Korea Southern Power	Korea	Flash Tank	2	2	A387-11 CL2	8.8/FV	350	15	1200	2100	2013	150
Mong Duong	DHIC	AES-VCM	Vietnam	Flash Tank	2	2.1	A387-11 CL2	9/FV	315	12	1300	1650	2013	150
Mong Duong	DHIC	AES-VCM	Vietnam	Flash Tank	2	4.2	A387-11 CL2	9/FV	315	15	1700	2700	2013	150
EDF	CMI	EDF	France	Blow Down Tank	1	6.7	A387-22 CL1	4.1	100	12	2476	3700	2013	-
Mong Duong	DHIC	AES-VCM	Vietnam	Flash Tank	2	4.5	SA387-11-2	8.8/FV	315	15	2000	3500	2012	150
Shoaiba	CMI	Saudi Electricity	Saudi	Flash Tank	10	0.6	SA-335P11	9.8	302	19	318	2534	2012	-
Qurayyah	CMI	Saudi Electricity	Saudi	Blow Down Tank	3	3.6	SA387	4.2	400	13	1500	3000	2011	150

8. Experience (PSA Unit)

Project Name	Client	End-User	Location	Commodity	Q'ty	Weight (Each)	Weight (Total)	Material	Dimension (mm)			Year
									Th'k	I.D	Length	
KNPC CFP	UOP	KNPC	KUWAIT	Adsorber	10	18.9	189.0	A516-70N	30	2,500	7,550	On going
KNPC CFP	UOP	KNPC	KUWAIT	Tail Gas Drum	1	54.6	54.6	A516-70N	14	4,000	26,550	On going
KNPC CFP	UOP	KNPC	KUWAIT	Adsorber	10	26.3	263.0	A516-70N	36	2,800	7,550	On going
KNPC CFP	UOP	KNPC	KUWAIT	Tail Gas Drum	1	50.0	50.0	A516-70N	13	4,000	28,750	On going
KNPC CFP	UOP	KNPC / GS	KUWAIT	Adsorber	12	43.4	520.8	SA516-70N	38	3,500	10,200	On going
KNPC CFP	UOP	KNPC / GS	KUWAIT	Tail Gas Drum	1	77.5	77.5	SA516-70N	13	5,000	26,350	On going
KNPC CFP	UOP	KNPC / Flour	KUWAIT	Adsorber	12	43.4	520.8	SA516-70N	38	3,500	10,200	On going
KNPC CFP	UOP	KNPC / Flour	KUWAIT	Tail Gas Drum	1	77.5	77.5	SA516-70N	13	5,000	26,350	On going
KNPC CFP	UOP	KNPC / Flour	KUWAIT	Adsorber	12	43.4	520.8	SA516-70N	38	3,500	10,200	On going
KNPC CFP	UOP	KNPC / Flour	KUWAIT	Tail Gas Drum	1	77.5	77.5	SA516-70N	13	5,000	26,350	On going
KNPC CFP	UOP	KNPC / Flour	KUWAIT	Adsorber	6	13.0	78.0	SA516-70N	26	2,000	6,950	2015
KNPC CFP	UOP	KNPC / Flour	KUWAIT	Tail Gas Drum	3	26.0	78.0	SA516-70N	15	3,500	15,600	2015
RAPID SCC Project	UOP	RAPID / Toyo	MALAYSIA	Adsorber	6	28.1	168.6	SA516-70N	59	2,800	4,080	On going
RAPID SCC Project	UOP	RAPID / Toyo	MALAYSIA	Tail Gas Drum	1	10.8	10.8	SA516-70N	16	2,800	3,950	On going
RAPID SCC Project	UOP	RAPID / Toyo	MALAYSIA	Filter	1	2.1	2.1	SA516-70	16	750	2,000	On going
MX Project	UOP	HYUNDAI OILBANK	KOREA	Adsorber	10	23.0	230.3	SA516-70N	35	2,600	4,800	2015
MX Project	UOP	HYUNDAI OILBANK	KOREA	Tail Gas Drum	1	59.8	59.8	A516-70	17	3,800	29,600	2015
MX Project	UOP	HYUNDAI OILBANK	KOREA	Filter	1	1.1	1.1	A106-B	12	560	3,409	2015
PTTGC Revamp	UOP	PTTGC	Malaysia	Adsorber	4	10.2	40.9	SA516-70N	14	813	6,045	2015
NEW OFF GAS PSA Unit	UOP	S-OIL	Korea	Adsorber	6	36.3	217.8	SA516-70N	30	3,300	10,100	2015
NEW OFF GAS PSA Unit	UOP	S-OIL	Korea	Tail Gas Drum	1	67.6	67.6	A516-70	16	3,800	29,600	2015
PDH	UOP	SK E&C / SK GAS	Korea	Adsorber	6	32.6	195.6	SA516-70N	40	3,000	7,700	2015
PDH	UOP	SK E&C / SK GAS	Korea	Tail Gas Drum	1	47.3	47.3	A516-70	17	3,000	19,900	2015

8. Experience (Skid Module)

Project Name	Client	End-User	Location	Commodity	Q'ty	Weight (Each)	Weight (Total)	Material	Dimension (mm)			Year
									Th'k	I.D	Length	
RAPID SCC	UOP	TOYO ENGINEERING	Malaysia	VALVE SKID	1	70.0	70.0	A106-B	3,900	4,000	21,000	On going
KNPC	UOP	KNPC	Kuweit	VALVE SKID	1	110.0	110.0	A106-B	3,550	4,000	32,375	On going
MX Project	UOP	HYUNDAI OILBANK	KOREA	VALVE SKID	1	110.0	110.0	A106-B	3,550	4,000	32,800	2015
NSRP Complex	UOP	NSPR	Vietnam	Membrane Skids	2	120.0	120.0	A106-B	6500	3,850	17,000	2015
PDH	UOP	SK E&C / SK GAS	Korea	VALVE SKID	1	92.0	92.0	A106-B	8,600	4,300	32,000	2015
LR2 Refinery	UOP	LAFFAN REFINERY	Qatar	VALVE SKID	1	42.0	42.0	A106-B	3,200	3,150	18,600	2015
UHV Plant	UOP	SK E&C	Thiland	VALVE SKID	1	110.0	110.0	A106-B	4,278	4,000	32,350	2014
Aromatic Complex	UOP	SAMSUNG	Korea	VALVE SKID	1	50.0	50.0	A106-B	4,000	3,980	31,000	2013

9. Experience (GCU)

Project Name	Client	End-User	Location	Commodity	Q'ty	Weight (Each)	Weight (Total)	Material	Dimension (mm)			Year
									Th'k	I.D	Length	
Maran Gas III	HCE	MARAN GAS	Korea	GCU	1	24.0	24.0	316L	8	3,570	10,820	On going
13-GCU	HCE	HYUNDAI SAMHO	Korea	GCU	4	24.0	96.0	316L	8	3,570	10,820	2015
13-GCU	HCE	SAMSUNG	Korea	GCU	2	25.0	50.0	316L	8	4,500	9,864	2015
13-GCU	HCE	SAMSUNG	Korea	GCU	2	25.0	50.0	316L	8	4,000	11,416	2014
13-GCU	HCE	DSME	Korea	GCU	2	24.0	48.0	316L	8	3,570	10,820	2015
13-GCU	HCE	HYUNDAI	Korea	GCU	1	25.0	25.0	316L	8	4,000	11,416	2014
13-GCU	HCE	STX	Korea	GCU	1	25.0	25.0	316L	8	4,000	10,916	2013

9. Experience (OFF SHORE)

Project Name	Client	End-User	Location	Commodity	Q'ty	Weight (Each)	Weight (Total)	Material	Dimension (mm)			Year
									Th'k	I.D	Length	
BARONIA GDU	KPF	PETRONAS CARIGALI SDN	Malaysia	Glycol Contactor	1	58.7	58.7	A516-70N / A516-70N+	92	2,000	8,200	2016
Catcher FPSO	UOP	Premier Oil UK Limited	North sea	Filter Coalescer	2	3.9	7.8	SA516-70N/SS316L	28	600	2,900	2015
Catcher FPSO	UOP	Premier Oil UK Limited	North sea	Guard Bed	2	63.4	126.8	SA516-60N	107	2,345	3,500	2015
Catcher FPSO	UOP	Premier Oil UK Limited	North sea	Guard Bed	2	21.5	43.0	SA516-60N	76	1,600	2,400	2015
Catcher FPSO	UOP	Premier Oil UK Limited	North sea	Guard Bed	2	28.8	57.6	SA516-60N	93	2,000	3,500	2015
Catcher FPSO	UOP	Premier Oil UK Limited	North sea	Filter	2	2.8	5.6	SA516-60N	31	548	1,700	2015
Catcher FPSO	UOP	Premier Oil UK Limited	North sea	Filter	2	1.9	3.8	SA516-60N	24	409	1,900	2015
Catcher FPSO	UOP	Premier Oil UK Limited	North Sea	Heat Exchanger	2	4.0	8.0	SA516-70N/SS316L	26	500	2,300	2015
Akal G-Jack-Up Rig	JORD	PEMEX	Mexico	Separator	5	5.9	29.5	SA516-70HIC	36	900	4,101	2014
Akal G-Jack-Up Rig	JORD	PEMEX	Mexico	Separator	5	5.7	28.5	SA516-70HIC	37	1,050	4,020	2014
Akal G-Jack-Up Rig	JORD	PEMEX	Mexico	Separator	5	4.3	21.5	SA516-70HIC	21	1,150	4,470	2014
Akal G-Jack-Up Rig	JORD	PEMEX	Mexico	Separator	5	6.2	31.0	SA516-70HIC	21	1,600	5,091	2014
Akal G-Jack-Up Rig	JORD	PEMEX	Mexico	Separator	1	20.9	20.9	SA516-70HIC	30	3,200	7,870	2014

Thank You !
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