



SHINA

Plant Services Co.,Ltd

We are making the most of present circumstances to boost competitiveness in price, quality and delivery to satisfy our clients.



SHINA PLANT SERVICES CO., LTD.

"ENGINEERING, PLANT FABRICATION & FIELD ERECTION"

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- DUCT BURNER
- FLARE STACK
- FLARE TIP
- DRYER
- VESSEL
- HEAT EXCHANGER
- PIPING SKID

1. INTRODUCTION

As the industry's need for more competitive manufacturer in terms of engineering, plant fabrication and site erection, Shina Plant Services Co., Ltd. was established to provide better steel equipment products to our client in the field of petrochemical, steel making, conventional power generation plants and processing facilities.

Today's facilities and products more than ever require top performance, reliability and strict compliance with industry and governmental regulations.

Aware of this need, SHINA consists of educated engineers and experienced fabrication technicians with a combined knowledge and its facilities to assure quality and on-time delivery, and also a skilled workforce to meet specific needs for our customer.

Especially, our engineers are well familiar with ASME, AWS, API, ANSI, TEMA and Japanese clients' specifications. And also they know very well what needs to be done for overseas projects, and are capable of communicating in English and/or Japanese language as experienced in performing various foreign projects so far.

As stated aforementioned, we are making the most of present circumstances to boost competitiveness in price, quality and delivery to satisfy our clients.

Kye-chul Shin
President



2. GENERAL INFORMATION

COMPANY'S NAME

- SHINA PLANT SEERVICE CO., LTD.

PRESIDENT

- Kye-chul Shin

ADDREDS

- 899-30, Beodeul-ro, Ujeong-eup, Hwaseong-si, Gyeonggi-do, 18559, Korea

HOMEPAGE

- www.shinaplant.com

SINCE

- July 1996

Man Power

PERSONNEL

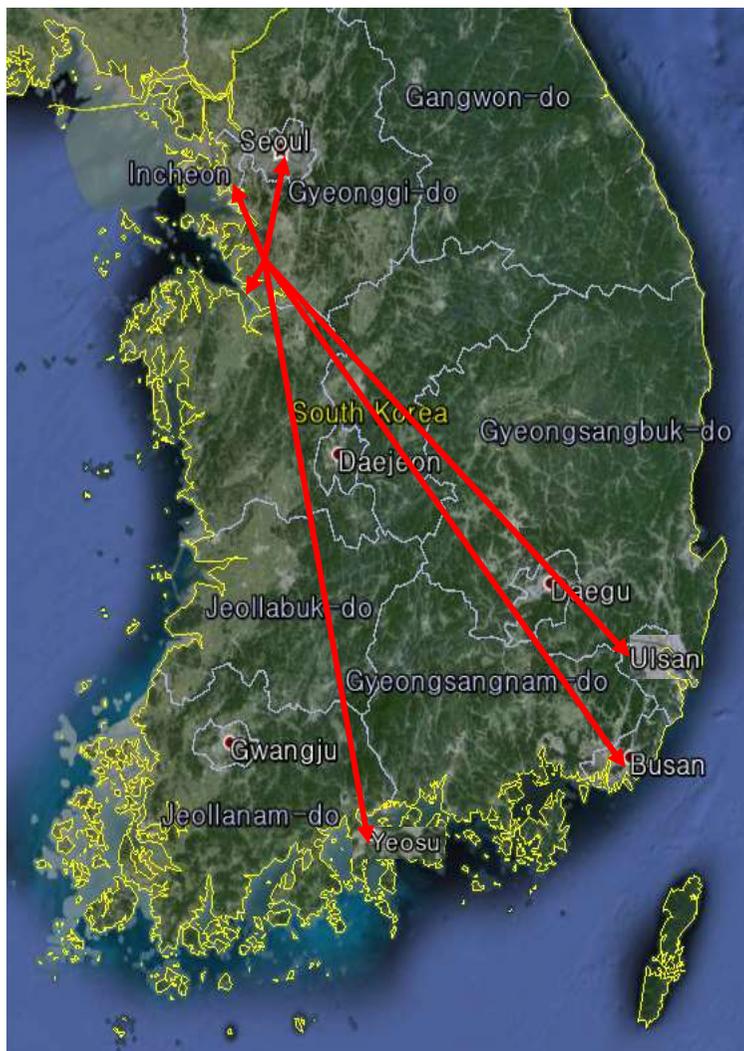
NUMBER

- Total Number of Employees Office Production : 9 (Office), 20 (Shop)
- Number of Supervisory Personnel : 4
- Number of Draftsmen : 2
- Number of Shop Inspection Employees : 2
- Number of Welding Engineer : 1

MAIN PRODUCT

- Burner
- Duct Burner
- Flare Tip
- Vessel
- Piping Skid
- Center Cell Burner
- Flare Stack
- Dryer
- Pressure Vessel
- Heat Exchanger

2. GENERAL INFORMATION



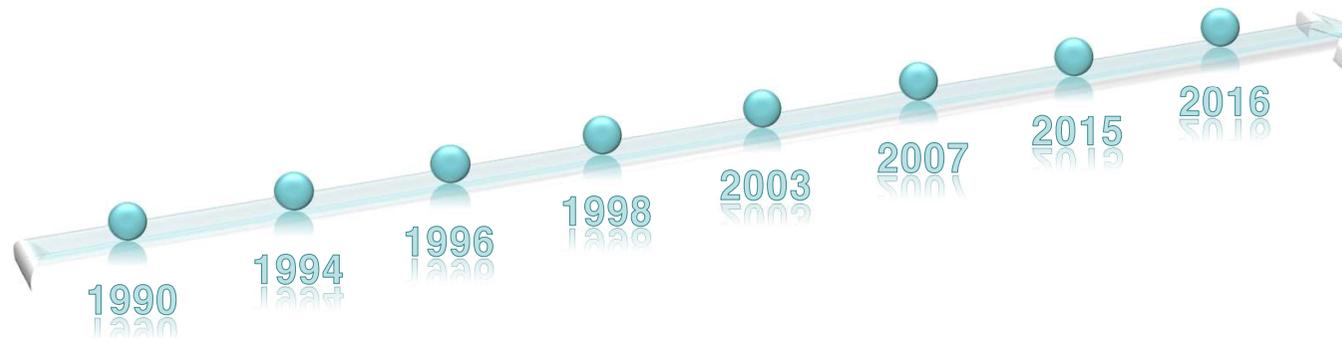
SHINA PLANT SERVICES CO., LTD.

899-30, Beodeul-ro , Ujeong-eup, Hwaseong-si,
Gyeonggi-do, 18559, Korea

- TEL : +82 31 358 2182 ~ 4
- FAX : +82 31 358 2189
- HomePage : www.shinaplant.com

Name	Distance
Center of Seoul	70 Km
Incheon Air Port	70 Km
PyeongTaek Sea Port	25 Km
Busan Sea Port	380 Km
Ulsan Chemical Complex	380 Km
Yeosu Chemical Complex	330 Km

3. HISTORY



1990

1990 Established AICO Corporation.

1994 Fabrication Dept. Added to AICO Corp. for Flare equipment.

1996 Shina Plant Service Co., Ltd. Established for manufacturing of flare system.

1998 Acquired ISO 9001 Certificate

2000

2003 Shina Plant awarded the Korean Government Prize for outstanding export.

2007 Moved to factory in Hwa-seong

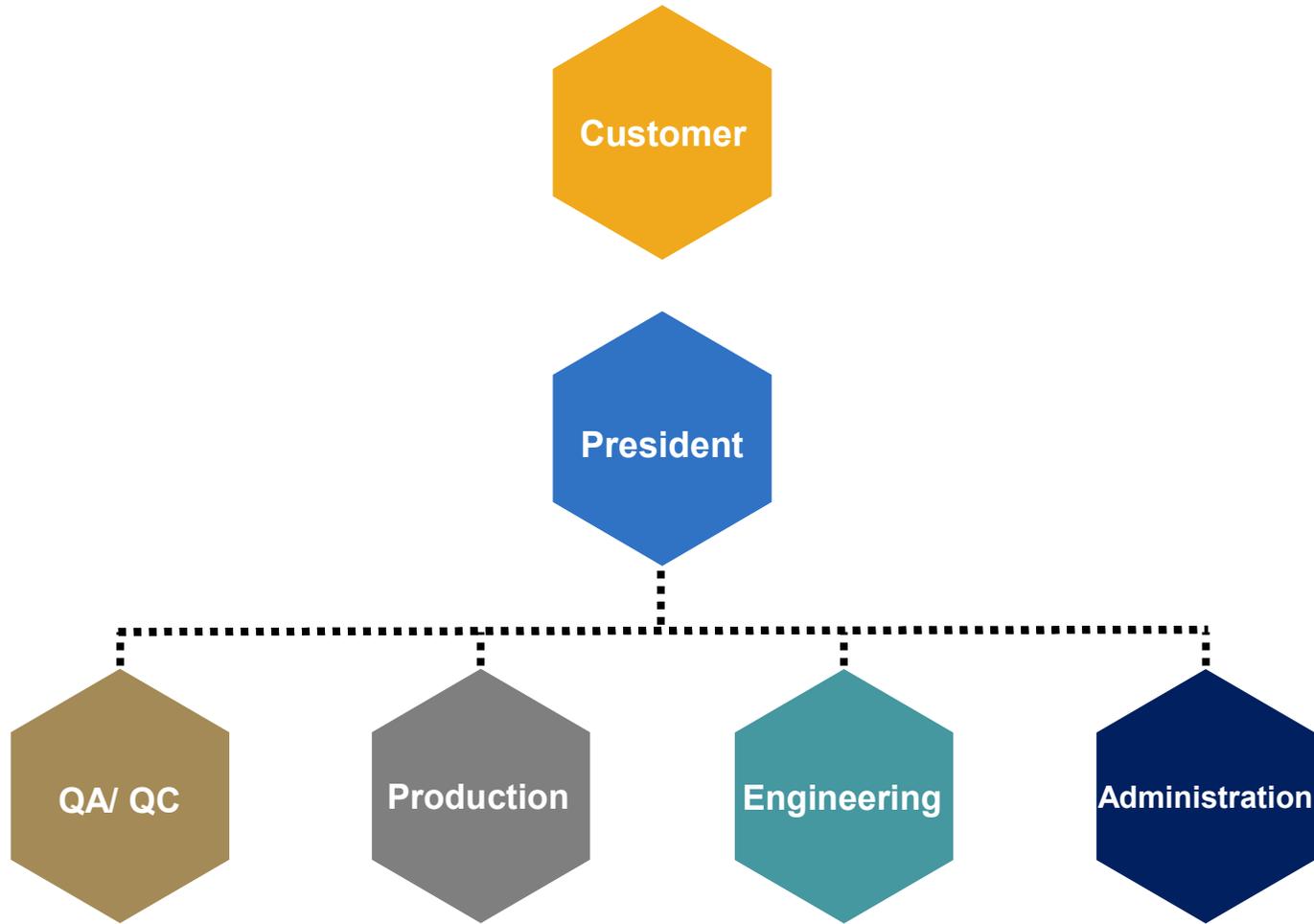
2010

2016 Moved to new factory

2016 Acquired ISO 14001 Certificate

2016 Acquired ASME U Stamp

4. ORGAIZATION CHART



5. FACTORY STATUS

PLANT DATA

AREA OF PLANT		
Covered Fabrication 5 Bays	Uncovered Fabrication Gantry Bays	Total Land Area
3,825 m ²	2,520 m ²	9,918 m ²

FABRICATION CAPACITY

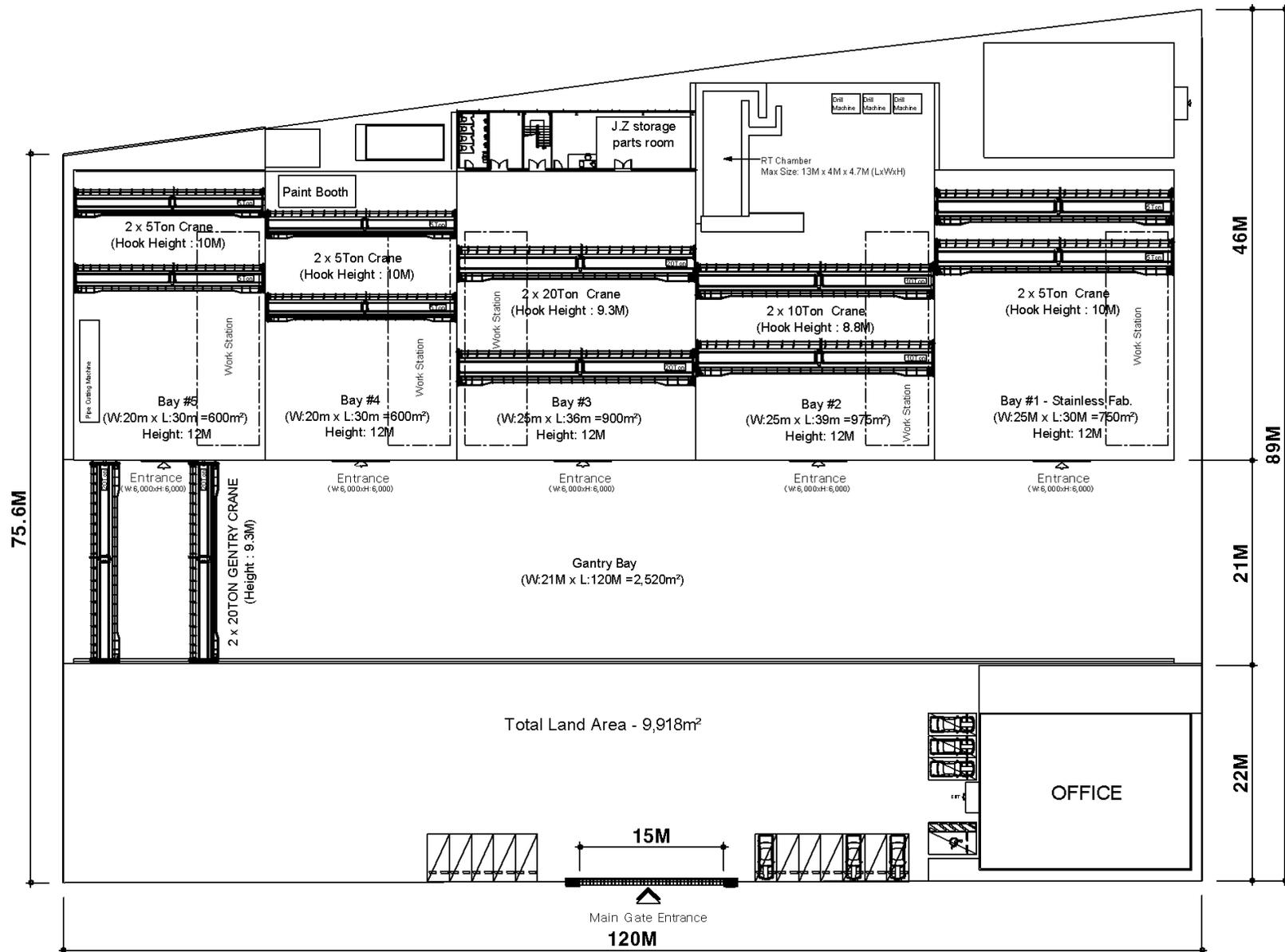
Description	Max. Size/ Range Now Manufacturing	Max. Size/ Range Capable Of Manufacturing	Ton(Set)/ Monthly
Process Burner	2M	20M	100Sets
Flare Stack Package	2M x 110M	4.5 x 150M	100Ton
Pressure Vessel	4.5M	5M	30Ton

5. FACTORY STATUS

BULIDING BAY AND CRANE DATA

Bay	Dimensions	Type Crane	Number	Capacity	Height Under Hook	Electric or Manual
Bay #1 (For Stainless)	750 m ²	Hoist	2	5 Ton	10M	Electric
Bay #2	975 m ²	Hoist	2	10 Ton	8.8M	Electric
Bay #3	900 m ²	Hoist	2	20 Ton	9.3M	Electric
Bay #4	600 m ²	Hoist	2	5 Ton	10M	Electric
Bay #5	600 m ²	Hoist	2	5 Ton	10M	Electric
Gantry Bay	2,520 m ²	Gantry	2	20 Ton	9.3M	Electric

5. FACTORY STATUS



5. FACTORY STATUS

WELDING EQUIPMENT

Welding Machines Name	Size	Q'ty	Condition
GTAW Welding Machines	500A	4ea	Good
	350A	2ea	Good
GMAW Welding Machines	500A	3ea	Good
	350A	3ea	Good
SMAW Welding Machines	DC 500	1ea	Good
	AC 30KW	1ea	Good
Machines Name	Size	Q`ty	Condition
Welding Turn Table	35kg	1ea	Good
	100kg	1ea	Good
Turning Roller	20Ton	3ea	Good
	10Ton/ 5Ton	1ea/ 1ea	Good

ETC.

Machines Name	Maximum Size Capacity	Q`ty	Condition
Drill & Tapping Machines	13~32mm	4ea	Good
Band Saws	14 Inch	1ea	Good

5. FACTORY STATUS

MEASURING INSTRUMENT

Equipment Name	Model	Manufacturer	Condition
Coating Thickness Gauge	PosiTector 6000	Defelsko	Good
Outside Micrometer	M110-25 (70TH)	Mitutoyo	Good
Ultrasonic Thickness Gauge	AD-3253	A&D CO., LTD.	Good
Hardness Tester	TH170	Time Group Inc.	Good
Digital Vernier Calipers	CD-20CPX	Mitutoyo	Good
Thermometer	TC-400	LINE SEIKI	Good
Clamp Meter	HIOKI 3288	HIOKI	Good

6. EXPERIENCED MATERIAL

EXPERIENCED MATERIAL

Type of Material	Description	Max. Thickness	Min. Thickness
Carbon Steel	SA-36, SA-516 Gr.55/ Gr.60/ Gr.65/ Gr.70	T35	T1.6
Austenite Stainless Steel	SA-240 304/ 310S/ 316/ 321	T15	T1.0
Nickel Alloys	Inconel 625, Hastelloy C-276	T6	T1.5

7. CERTIFICATES

ASME U STAMP

The American Society of Mechanical Engineers





CERTIFICATE OF AUTHORIZATION

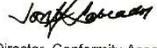
The named company is authorized by the American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the certification mark and the authority granted by this Certificate of Authorization 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: **SHINA PLANT SERVICES CO., LTD.**
 899-30, Beodeul-ro, Ujeong-eup,
 Hwaseong-si, Gyeonggi-do 18559
 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: **December 28, 2016**
 EXPIRES: **December 28, 2019**
 CERTIFICATE NUMBER: **54,157**


 Board Chair, Conformity Assessment


 Director, Conformity Assessment

NATIONAL BOARD



THE NATIONAL BOARD OF BOILER & PRESSURE VESSEL INSPECTORS

Certificate of Authorization to Register



This is to certify that

SHINA PLANT SERVICES CO., LTD.
 899-30, Beodeul-ro, Ujeong-eup,
 Hwaseong-si, Gyeonggi-do, 18559
 Republic of Korea

is authorized to apply the "NB" mark and register boilers, pressure vessels or other pressure retaining items with the National Board.

The scope of Authorization is limited to items manufactured in accordance with:

ASME Designator(s): **U**

Issue Date: **January 13, 2017**

This Certificate of Authorization to Register will remain in effect as long as the manufacturing organization holds a valid Certificate of Authorization issued by the American Society of Mechanical Engineers.


 Executive Director

7. CERTIFICATES

ISO 9001 Certificate

ABS Quality Evaluations
Certificate Of Conformance
 This is to certify that the Quality Management System of:
Shina Plant Services Co., Ltd.
 #355-8, Dokjeong-ri, Jangan-myeon, Hwaseong-si,
 Gyeonggi-do
 Korea

has been assessed by ABS Quality Evaluations, Inc. and found to be in conformance with the requirements set forth by:
ISO 9001:2008

The Quality Management System is applicable to:
DESIGN AND MANUFACTURE OF FLARE STACKS, PRESSURE VESSELS, HEAT-EXCHANGERS, DRYERS AND BURNERS

Certificate No:	34444
Original Certification Date:	28 December 1998
Effective Date:	16 November 2013
Expiration Date:	15 December 2016
Revision Date:	16 November 2013

Alex Weisselberg
 Alex Weisselberg, President



Validity of this certificate is based on the periodic audits of the management system defined by the above scope and is contingent upon prompt, written notification to ABS Quality Evaluations, Inc. of significant changes to the management system or components thereof.
 ABS Quality Evaluations, Inc. 16855 Northchase Drive, Houston, TX 77060, U.S.A.
 Validity of this certificate may be confirmed at www.abs-ge.com/cert_validation.

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ISO 14001 Certificate


Certificate of Registration

This is to certify that the Environmental Management System of
Shina Plant Services Co., Ltd.
 #355-8, Dokjeong-ri, Jangan-myeon, Hwaseong-si, Gyeonggi-do, Korea

Has been found to conform to the Environmental Management System Standard :
KS I ISO 14001:2009 / ISO 14001:2004

This certificate is valid for the following product or service ranges:
DESIGN AND MANUFACTURE OF FLARE STACKS, PRESSURE VESSELS, HEAT-EXCHANGERS, DRYERS AND BURNERS

Certificate NO. : ESC3054
Valid Until Date : 26-June-2019
Certificate Issue Date : 27-June-2016
Original Certificate Date : 27-June-2016

KOREA INT'L STANDARDS CERTIFICATION

-Lack of fulfillment of conditions described in the Guide for Certification Process may render this Certificate invalid.

Authorized by: *Dongchun, Won*
 Dong Chun Won, President

Mark Indicates that KIC is accredited by Korea Accreditation Board for Environmental Management System (No. KAB-EC-27).
 Mark Indicates that KIC's Accredited by the member of the International Accreditation Forum Multilateral Recognition Arrangement.

KIC (Yeu-do-sung) 27, 15, Gukhoe-daero 86-gil, Yeongdeungpo-gu, Seoul, Korea TEL : (02-789-0705) FAX : (02-789-0706)

Environmental Management System

8. MAIN PRODUCTS (BURNER)



S-OIL MHC HEATER MODIFICATION PROJECT (Sep. 2007)

- ◆ Item Name
 - PSFR-16R Burner
- ◆ Customer
 - John Zink Asia-Pacific
- ◆ End User
 - Seibu Sekiyu
- ◆ Job Site
 - Yamaguchi, Japan



EXISTING BURNER REPLACE (Mar. 2014)

- ◆ Item Name
 - COOLstar-215RM Burner
- ◆ Customer
 - SK Global Chemical
- ◆ End User
 - SK Global Chemical
- ◆ Job Site
 - Ulsan, Korea

8. MAIN PRODUCTS (BURNER)



DECOMPOSITION FURNACE PROJECT
(Feb. 2009)

- ◆ Item Name
- Acid Gas Burner
- ◆ Customer
- John Zink Asia-Pacific
- ◆ End User
- S-oil Corporation
- ◆ Job Site
- Ulsan, Korea



ECOJET 26 BURNER
(Mar. 2013)

- ◆ Item Name
- ECOJET 26 Burner
- ◆ Customer
- Hamworthy Combustion
- ◆ End User
- Daegu Energy
- ◆ Job Site
- Daegu, Korea

8. MAIN PRODUCTS (CENTER CELL BURNER)



EXXONMOBIL NAG-OF PROJECT (Nov. 2014)

- ◆ Item Name
 - Center Cell Burner
- ◆ Customer
 - Petro Chem. Development
- ◆ End User
 - Exxonmobil Chemical Company
- ◆ Job Site
 - Baytown, TX. USA



NCC, FURNACE EXTENSION PROJECT (Jul. 2009)

- ◆ Item Name
 - Center Cell Burner
- ◆ Customer
 - John Zink Asia-Pacific
- ◆ End User
 - LG Chemical
- ◆ Job Site
 - DaeSan, Korea

8. MAIN PRODUCTS (DUCT BURNER)



DUCT BURNER
(Mar. 2005)

- ◆ Item Name
- Duct Burner
- ◆ Customer
- John Zink Asia-Pacific
- ◆ End User
- Saudi Polyolefins Company
- ◆ Job Site
- Saudi Arabia



BC-1102 REGENERATION AIR HEATER
(Jan. 2014)

- ◆ Item Name
- Duct Burner
- ◆ Customer
- John Zink Asia-Pacific
- ◆ End User
- Tianjin Bohua Petrochemical
- ◆ Job Site
- Tianjin, China

8. MAIN PRODUCTS (FLARE STACK)



■ Risers



■ Ladder & Platform



■ Utility Piping



■ Pre-Assembly

HPC B-PROJECT (Jun. 2010)

- ◆ Item Name
 - Derrick Supported Flare Stack
- ◆ Customer
 - Lotte E&C/ John Zink LLC
- ◆ End User
 - Honam Petrochemical corp.
- ◆ Job Site
 - Yeosu, Korea

8. MAIN PRODUCTS (FLARE STACK)



■ Molecular Seal



■ Water Seal Drum



■ Flare Tip



■ Risers

HPC B-PROJECT (Jun. 2010)

- ◆ Item Name
 - Derrick Supported Flare Stack
- ◆ Customer
 - Lotte E&C/ John Zink LLC
- ◆ End User
 - Honam Petrochemical corp.
- ◆ Job Site
 - Yeosu, Korea

8. MAIN PRODUCTS (FLARE TIP)



SECOND GENERATION PROJECT
(Aug. 2011)

- ◆ Item Name
 - Duct Burner
- ◆ Customer
 - John Zink Asia-Pacific
- ◆ End User
 - Saudi Polyolefins Company
- ◆ Job Site
 - Saudi Arabia



XP-60 FLARE TIP
(Mar. 2013)

- ◆ Item Name
 - XP-60 FLARE TIP
- ◆ Customer
 - S-oil Corporation
- ◆ End User
 - S-oil Corporation
- ◆ Job Site
 - Onsan, Korea

8. MAIN PRODUCTS (DRYER)



TR ZANKOUJI PROJECT (Jun. 2005)

- ◆ Item Name
- Dryer
- ◆ Customer
- Chisso Engineering Co., Ltd.
- ◆ End User
- Chisso Engineering Co., Ltd.
- ◆ Job Site
- Kansai District, Japan

8. MAIN PRODUCTS (DRYER)



PVC9 PROJECT (Jun. 2006)

- ◆ Item Name
- Dryer
- ◆ Customer
- Chisso Engineering Co., Ltd.
- ◆ End User
- Thai Plastic and Chemicals
- ◆ Job Site
- MAP TA PHUT, Thailand

8. MAIN PRODUCTS (VESSEL)



PVC9 PROJECT (Jun. 2006)

- ◆ Item Name
- VESSEL
- ◆ Customer
- Chisso Engineering Co., Ltd.
- ◆ End User
- Ashi Glass Co., Ltd.
- ◆ Job Site
- Kashima, Japan

8. MAIN PRODUCTS (HEAT EXCHANGER)



HEAT EXCHANGER (Jul. 2006)

- ◆ Item Name
- Heat Exchanger
- ◆ Customer
- Chisso Engineering Co., Ltd.
- ◆ End User
- Ashi Glass Co., Ltd.
- ◆ Job Site
- MAP TA PHUT, Thailand

8. MAIN PRODUCTS (PIPING SKID)



Thai Binh1 Project (Mar. 2016)

- ◆ Item Name
- Piping Skid
- ◆ Purchaser
- John Zink Hamworthy
- ◆ End User
- AMEC Foster Wheeler
- ◆ Job Site
- Thai Binh, Vietnam

8. MAIN PRODUCTS (PIPING SKID)



PetroquímicaSuape PTA Project (Aug. 2010)

- ◆ Item Name
- Piping Skid
- ◆ Customer
- IJT, India
- ◆ End User
- PetroquímicaSuape Company
- ◆ Job Site
- Pernambuco, Brazil

8. MAIN PRODUCTS (PIPING SKID)



P-PROJECT, 3X400T/H CFB BOILER (Mar. 2009)

- ◆ Item Name
- Piping Skid
- ◆ Customer
- John Zink Company LLC
- ◆ End User
- Hanwha Chemical Corp.
- ◆ Job Site
- Yeosu, Korea

8. MAIN PRODUCTS (PIPING SKID)



LAFFAN REFINERY PROJECT (Mar. 2008)

- ◆ Item Name
 - Piping Skid
- ◆ Customer
 - GS Engineering & Construction
- ◆ End User
 - Laffan Refinery Company
- ◆ Job Site
 - Ras Laffan, State of Qatar

8. MAIN PRODUCTS (PIPING SKID)



APPC PDH/ PP PROJECT (May 2006)

- ◆ Item Name
- Piping Skid
- ◆ Customer
- Samsung Eng./ John Zink A.P.
- ◆ End User
- Advanced Polypropylene Company
- ◆ Job Site
- Saudi Arabia

8. MAIN PRODUCTS (PIPING SKID)



HONG KONG GAS PHASE 1 PROJECT (Jan. 2004)

- ◆ Item Name
- Piping Skid
- ◆ Customer
- John Zink Asia-Pacific
- ◆ End User
- Hong Kong & China Gas Co., Ltd.
- ◆ Job Site
- Hong Kong

THANK YOU