

# Power Plant Service



**HANJUNG PLANT**

“  
 We, HANJUNG PLANT,  
 are doing our best with  
 youthful passion in the  
 field of power plant service.  
 ”

## Business Information

- Domestic & Foreign
- Boiler (Steam Generator)
- Turbine (GT & ST) & BOP
- H2 Plant
- Design & Engineering  
 Manufacturing  
 Retrofit & Construction
- ◆ Boiler Pressure Parts  
 (Water wall panel, Coil,  
 Header & etc.)

### Ability for Design, Manufacturing & Construction

Based on Our engineering and design Technical Skills, Our structural understanding and Technical approach to The Facilities allows us to respond quickly and flexibly to variety technical issues for Customers.

### Ability for Overseas works

Our experience in performing overseas projects allows us to double our competitiveness when conducting overseas construction.

### Competitive power from experience & Know-how

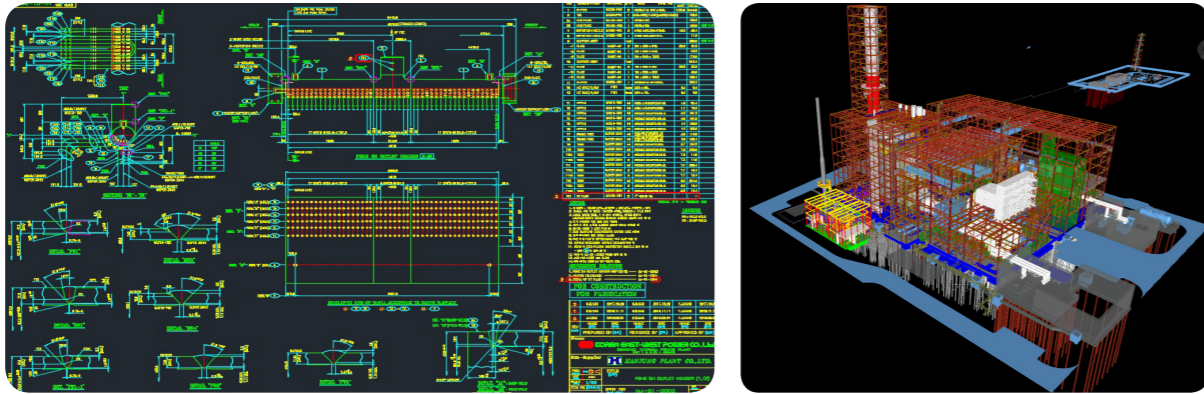
We are confident of innovative quality differentiation by securing KNOWHOW gained from the accumulated technology and experience in the filed of power generation facility boiler.

### Specialized in power plant boiler facilities

TROUBLE-SHOOTING can be dealt with in advance, through a long period of field operation experience in the power generation facility boiler field.

Based on the domestic and foreign experiences of design, manufacturing, construction, and repair about various power generation facilities, we pursue constant development by building technology and Know-How.

## Engineering



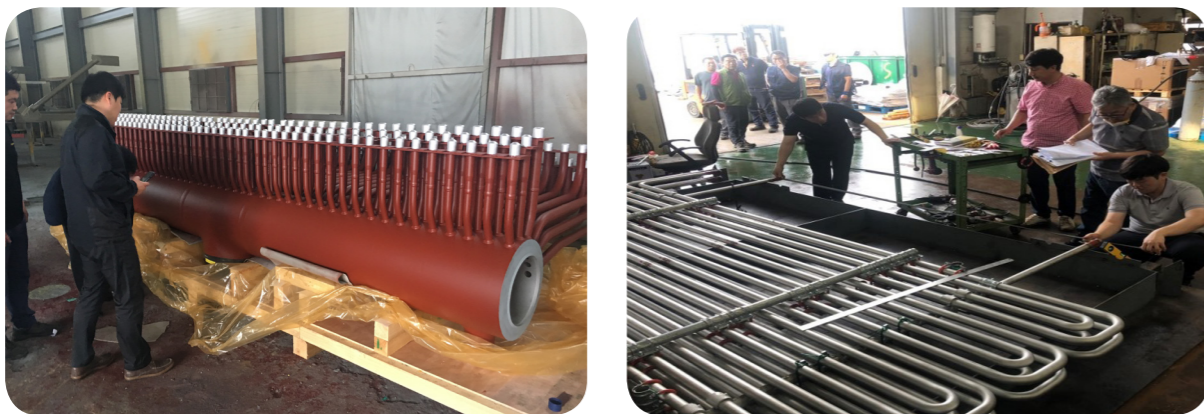
We utilize various modeling tools and perform our own design tasks.

## Construction



Design, manufacture, and construction can be performed in One(1) Package, quickly identifies key problems with a reliable technical approach and a variety of measuring and professional equipment. Based on this, we propose technology improvement measures for customer satisfaction and strive more to extend the performance and life of power generation facilities beyond simple maintenance.

## Manufacturing



Through the best technical manpower and infrastructure, all processes such as welding, heat treatment, cold working, and precision manufacturing of power generation facilities (Header, Coil, Panel, Piping) are performed to realize customer satisfaction by supplying perfect products with delivery and quality.

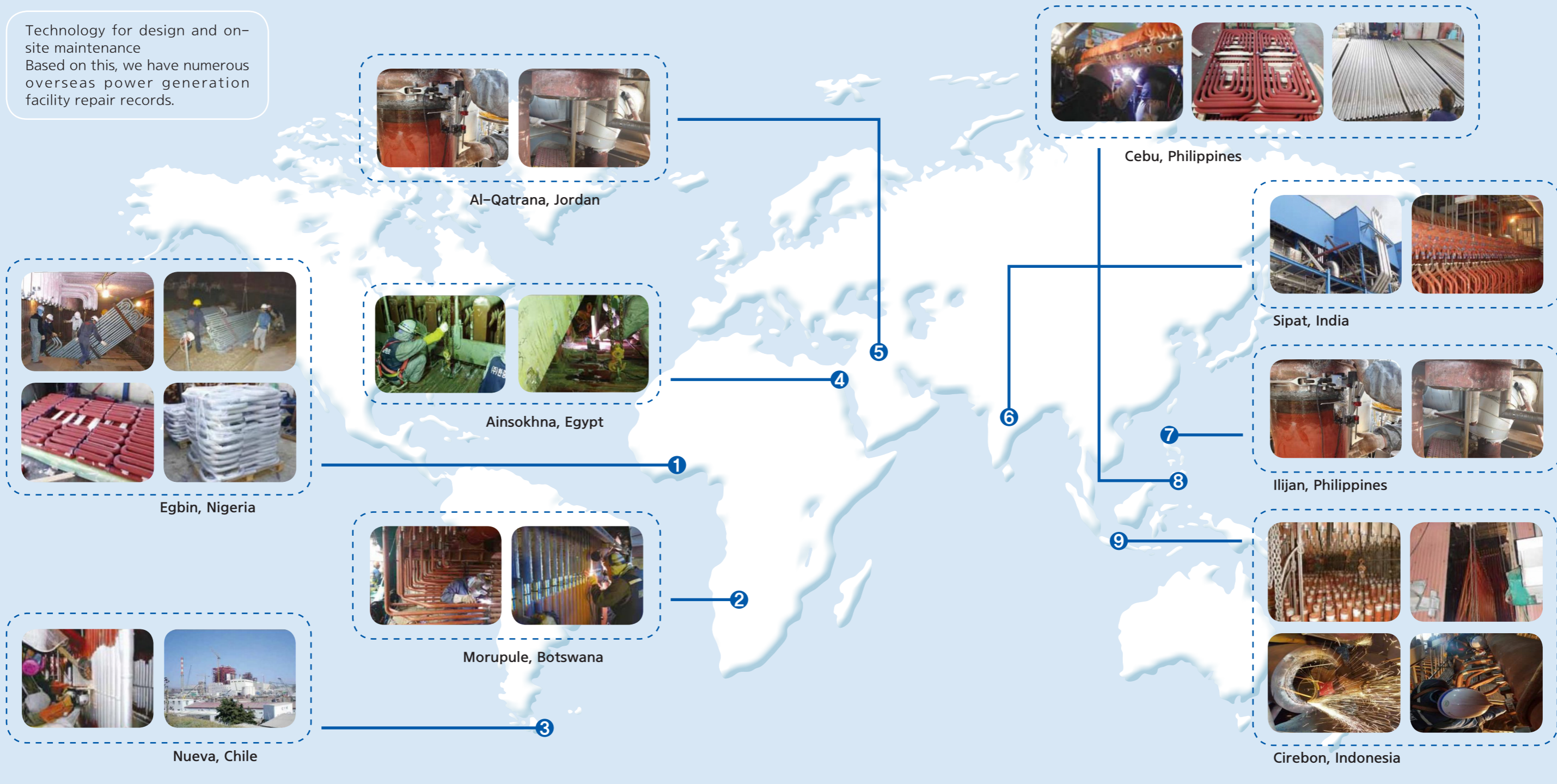
### ▼ Special Tools

Device Type	PMI (Positive Material Identification)	Industrial Endoscope	
Model	DPO-2000	HMX 1000	
Maker	OLYMPUS	Mitcorp	
Device Type	Ultrasonic Thickness Gauge	Coating Thickness Gauge	Ultrasonic Hardness Tester
Model	SC-20A	Elcometer 456	Sonodur3
Maker	Picosonic	Elcometer	Newsonic
M <sup>o</sup> MENT Item	Thickness measurement of metal and nonmetallic products	Coating thickness, Overlay welded non-magnetic metal	Surface Hardness of Metals and Alloys

### ▼ Potable Beveling Machines

No.	Model	Maker	Equipment Usage (Capable I.D Range)
1	Boiler K	GBC	28 – 76 mm
2	Boiler K	GBC	28 – 76 mm
3	Boiler K	GBC	28 – 76 mm
4	Boiler K	GBC	28 – 76 mm
5	Prep 3	TAG	25.4 – 76.2 mm
6	Prep 3	TAG	25.4 – 76.2 mm
7	Prep 3	TAG	25.4 – 76.2 mm
8	Mini K	GBC	20 – 42 mm
9	Mini K	GBC	20 – 42 mm
10	Mini K	GBC	20 – 42 mm
11	Mini K	GBC	20 – 42 mm
12	Prep 2	TAG	23 – 42 mm

Technology for design and on-site maintenance  
Based on this, we have numerous overseas power generation facility repair records.



## 1. Egbin, Nigeria

#4, 5 Hot RH Bending Replacement (2015)  
#6 1<sup>st</sup> RH Tube Inspection & Repair  
2<sup>nd</sup> RH Tube (2009~2010)  
#5 Att. Spray Nozzle Replacement (2009~2010)

## 2. Morupule, Botswana

#1~4 Replacement Works  
CW/DW Piping & Boiler  
Header/Water Wall & etc.  
(2016~2017)

## 3. Nueva, Chile

FSH & FRH Bundle Tube Upgrade & Replacement(2009)

## 4. Ainsokhna, Egypt

#1, 2 Penthouse Casing, Boiler Facility  
Repair and Modification (2014)

## 5. Al-Qatrana, Jordan

IPP2 HRSG Replacement (2018)

## 6. Sipat, India

#1, 2, 3  
FSH HDR Upgrade & Replacement  
Platen HDR Upgrade & Replacement  
Div. HDR Upgrade & Replacement  
(2010~2011)

## 7. Ilijan, Philippines

HRSG 1~2 Pri. RH Attenuator  
Procurement & Replacement (2019)

## 8. Cebu, Philippines

#1,2  
SH2 Outlet HDR & SH3 Inlet HDR Stub Tube Replacement (2017)  
Boiler Pressure Part Bending Tube Procurement (2015)  
SH3 Outlet HDR Stub Tube Repair and Modification (2015)  
RH1 Outlet HDR Stubs & Front Wall Tube Panel Procurement (2019)  
#1  
Boiler WTR Wall Panel Replacement (2013)  
Boiler RH1 Outlet HDR Stub Welding Repair (2018)  
#2  
Boiler WTR Wall Panel Procurement & Replacement (2013)

## 9. Cirebon, Indonesia

Boiler RH Tube Bundle Replacement (2014)  
Replacement LTSH Tube Including Material (2019)

Based on specialized technology and challenging and creative enthusiasm, it will carry out total solutions for designing, manufacturing, replacing, and repairing various power generation facilities at numerous power plants under five domestic power generation companies, leading the domestic power plant boiler facility repair market to the advanced stage.



## KW KOWEPO Co., Ltd.

### 1. Taeon Thermal Power Complex Division

- 1) Unit 7, 8 : HRH Pipe Branch Replacement (2016)  
Final RH Tube Bundle Replacement (2015)  
Steam Blowing Extension (2013)
- 2) Unit 2 : Boiler Access Door & Seal Plate Replacement (2012)
- 3) Unit 5, 6 : Desulfurization Facility Damper Replacement & Repair (2003~2004)  
Coal Burner Repair & etc. (2003)
- 4) IGCC : ECO Heat Exchanger Installation (2019)  
ECO Heat Exchanger Piping, Steel Structure Design/Manufacturing /Installation (2019)  
Piping/Convenient facilities Installation & Repair (2018)  
Commissioning & Maintenance (2015~2017)  
Piping Installation (2015)

### 2. Pyongtaek Thermal Power Complex Division

- 1) #2 HRH Pipe manufacturing & Replacement (2020)

### 3. Combined Heat and Power Plant

- 1) GT/ST & BOP Installation (2021~)

## EWP Co., Ltd.

### 1. Dangjin Coal-Fired Power Complex

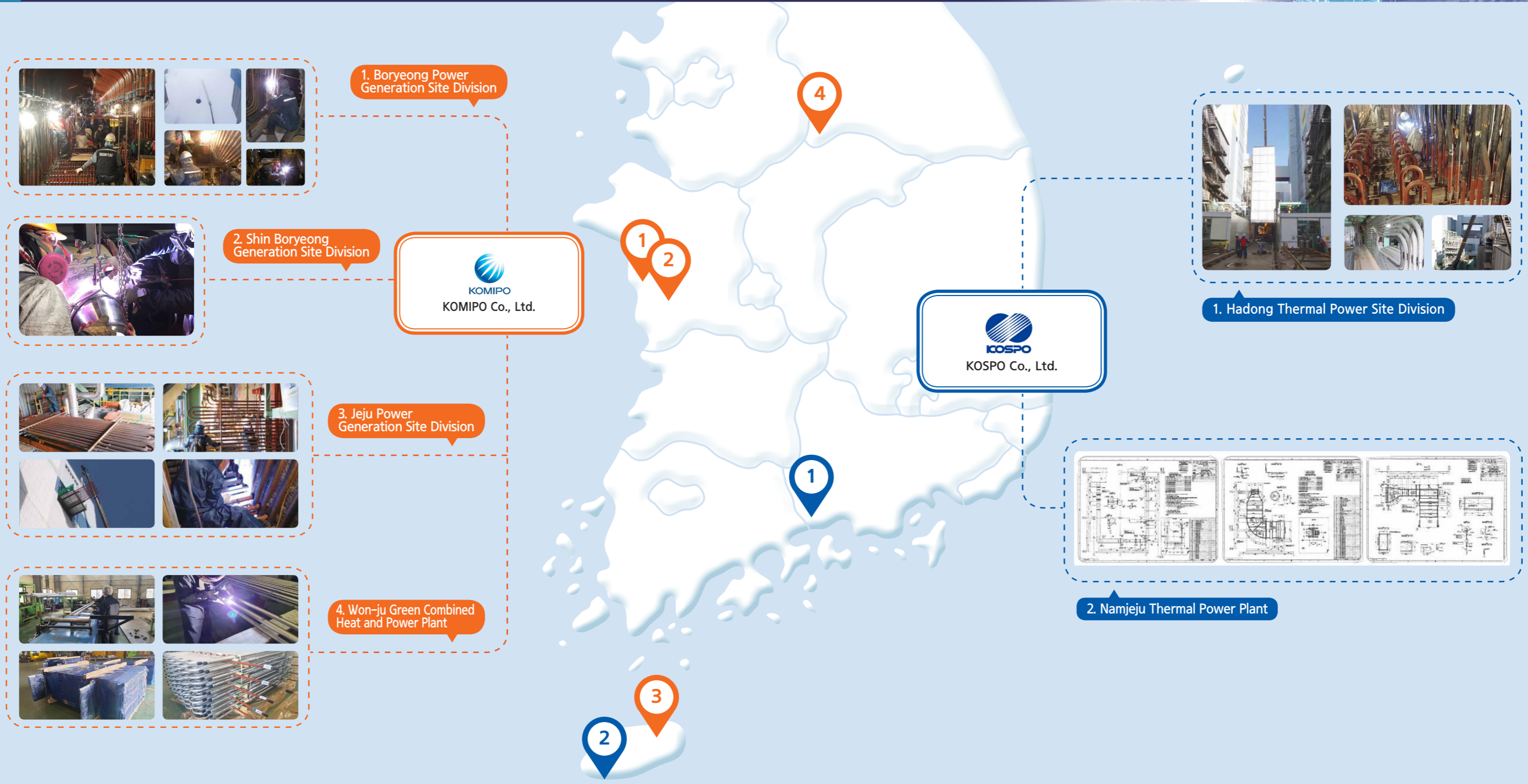
- 1) Unit 5~8 : Boiler FRH Tube Bundle Replacement (2015~2016)
- 2) Unit 5, 6 : SH HDR Replacement (2009)  
FSH & FRH Tube Bundle Replacement (2009)  
Soot Blower Extension (2009)
- 3) Unit 7, 8 : FSH & FRH Tube Bundle Replacement (2008~2009)  
Soot Blower Extension (2008~2009)

### 3. Ulsan Oil-Fired & C.C Power Complex

- 1) Unit 3 : Boiler Tube maintenance & MP Turbine Control Valve Replacement (2012)  
Boiler ECO Tube Bundle 및 WTR Wall Tube Panel Helical Wall Tube Panel Replacement (2003~2004)

### 2. Coal-Fired Power Plant

- 1) Unit 1, 2 : Boiler FBHE EVA/RH, W/W Panel, FBAC Manufacturing & Replacement (2017~2018)  
FBHE SH Outlet Header Manufacturing & Replacement (2016~2018)  
FBHE EVA Tube Bundle Manufacturing (2016)  
FBHE EVA Tube Bundle Manufacturing & etc. (2015)  
FBHE RH Tube Bundle Manufacturing (2015)  
Wall Tube & Ring HDR Replacement (2003, 2007)  
FBHE FSH & FRH Tube Replacement (2003, 2007)
- 2) Biomass : EVA Wing Wall Tube Panel Manufacturing (2020)  
Furnace WTR Wall Manufacturing & Replacement, EVA Wing Wall Tube Replacement (2019)  
Furnace WTR Wall Tube Manufacturing & Replacement, SH2 Wing Wall Replacement (2017)  
ECO 1/3 Bundle Bank Extension (2017)  
SH2 Wing Wall Panel Manufacturing & Replacement (2016)  
SH2 Wing Wall Tube Manufacturing (2015)



**KOMIPO Co., Ltd.**

**1. Boryeong Power Generation Site Division**

- 1) Unit 7, 8 : Boiler FSH In-Outlet Tube Bundle Replacement (2018, 2019)  
Boiler FSH New Junction HDR Installation (2018, 2019)  
Boiler Steam Blowing Extension (2012)
- 2) Unit 7 : Final RH Tube Improvement & Repair (2013)
- 3) Unit 4 : Turbine Main Steam Piping Tee Repair & Boiler Tube Membrane Repair (2013)
- 4) Unit 5 : Bottom Hopper Tube Membrane Replacement (2012)

**3. Jeju Power Generation Site Division**

- 1) Unit 3 : FSH Tube Bundle Replacement (2017)

**2. Shin Boryeong Generation Site Division**

- 1) Unit 2 : Pri.SH & Pri.RH Weld Condition Inspection & Repair (2018)
- 2) Unit 1, 2 : Attemperator 1st&2nd Stage Repair (2018)

**4. Won-ju Green Combined Heat and Power Plant**

- 1) Primary SH Tube Bundle Manufacturing (2019-2020)

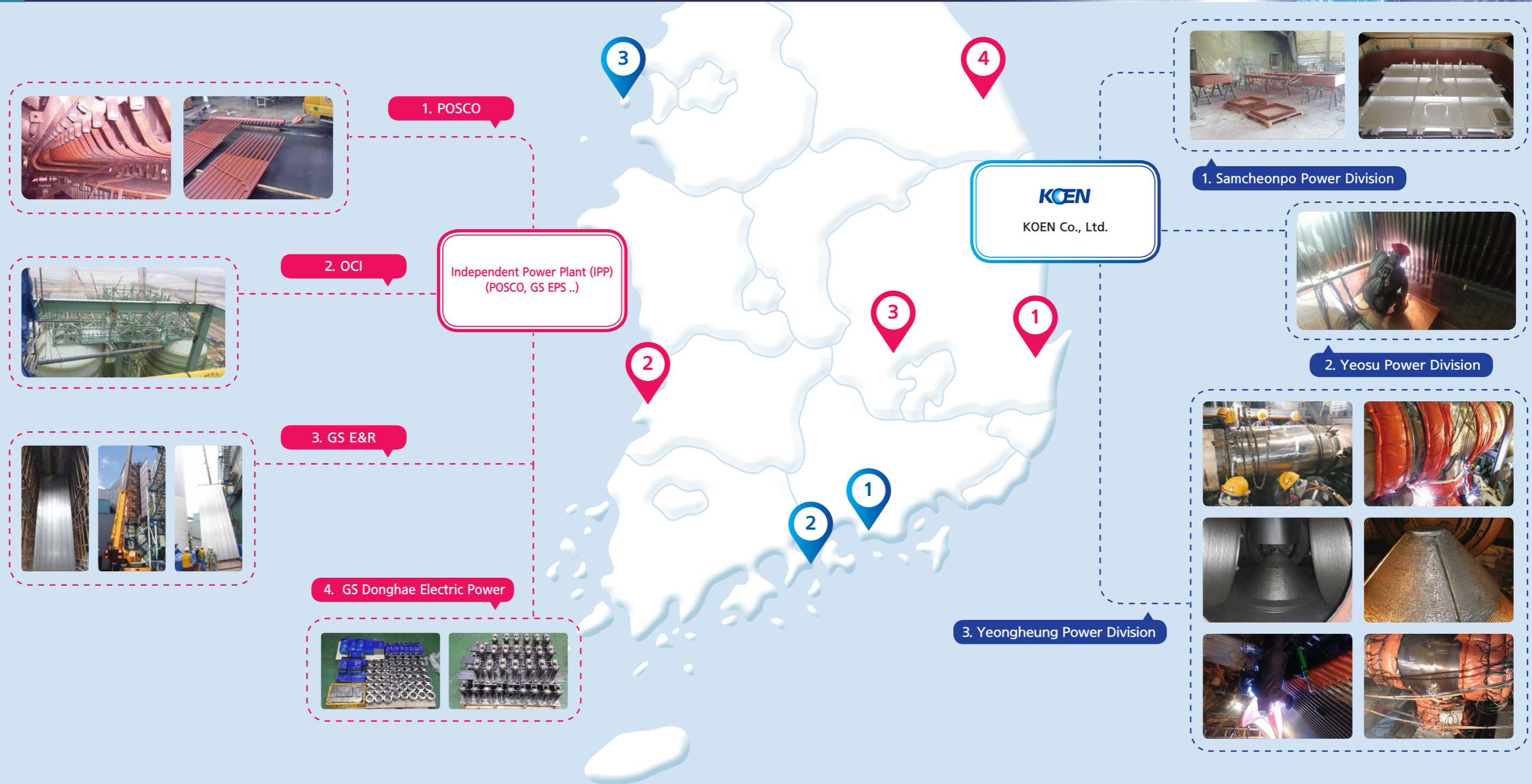
**KOSPO Co., Ltd.**

**1. Hadong Thermal Power Site Division**

- 1) Unit 7, 8 : FSH Outlet Tube Bundle Replacement (2018, 2019)  
FRH Tube Bundle Replacement (2015)  
FRH Tube Repair (2013)
- 2) Unit 1-6 : Boiler Lower Manhole & Opening Tube Manufacturing (2014)
- 3) Unit 7 : Steam Blowing Facilities Installation (2012)
- 4) Unit 1 : Manufacturing & Replacement of Electrostatic Precipitator (2012)

**2. Namjeju Thermal Power Plant**

- 1) Unit 3, 4 : Duct Engineering (2004)



## Independent Power Plant (IPP)

### 1. POSCO

FINEX Heat Exchanger extension (2005)  
HRSG Core Facilities Hood Replacement (2004)

### 3. GS E&R

Gumi Cogeneration Unit 2 Dust Collector Life  
Extension PJT Fabrication and Installation (2012)

### 2. OCI

Gunsan Saemangeum Boiler Steel Structure Replacement & additional  
Installation (2015-2016)

### 4. GS Donghae Electric Power

#1 Manufacture material for maintenance of EP, Tube Protector  
Manufacture, etc. (2019)  
#1 BLR Drain Line Relocation, TBN Min. Valve Replacement (2019)

## KOEN KOEN Co., Ltd.

### 1. Samcheonpo Power Division

1) Unit 6 : Boiler Furnace Hopper Access Door Manufacturing (2015)

### 3. Yeongheung Power Division

1) Unit 1, 2 : boiler Ring HDR Conn. Tube Replacement (2018, 2019)  
2) Unit 3, 4 : Reheat Steam Piping Replacement (2017)  
3) Unit 5, 6 : Differentiator Table cap wear area Repair (2015)  
4) Unit 6 : Windbox SA Flow Sensing Line Improvement (2015)

### 2. Yeosu Power Division

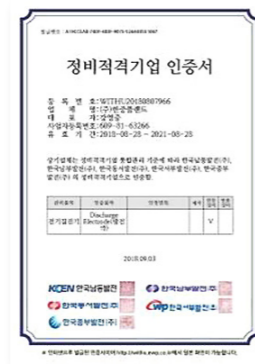
1) Unit 1 : CFB Furnace Wall Tube Replacement (2018)



Piping



Heat Exchanger



E.P (Discharge Electrode)



E.P (Collecting Plate)



ISO 9001:2015



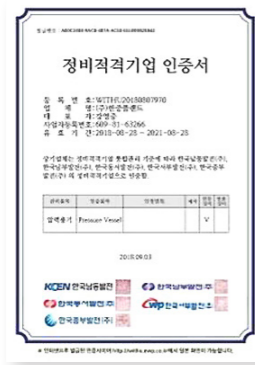
ISO 14001:2015



ISO 45001:2018



HRSG Tube



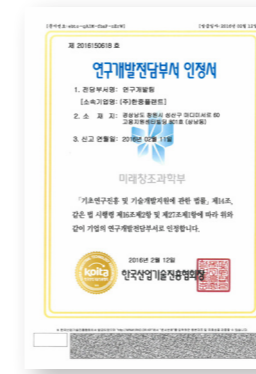
Pressure Vessel



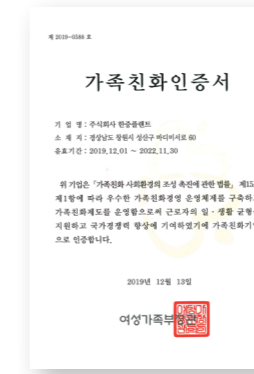
E.P (Rapper)



Boiler Tube



R&D Department Accreditation



Family-friendly Company Certificate



CERTIFICATE OF PATENT

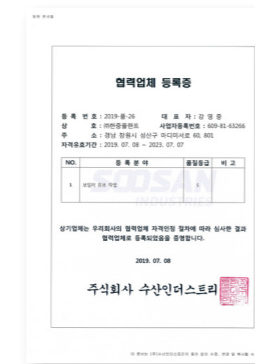


CERTIFICATE OF DESIGN REGISTRATION

< Qualified maintenance company Certificate >



DOOSAN HEAVY INDUSTRIES & CONSTRUCTION

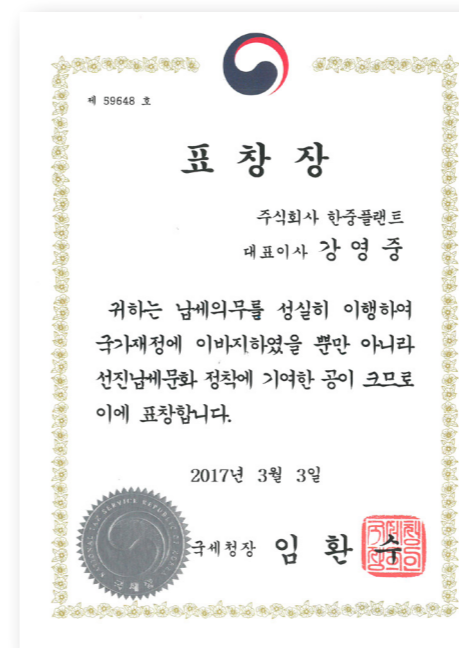


SOOSAN INDUSTRIES



KEPECO KPS

< Certificate of partner company >





*Power Plant Retrofit & Solution*  
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