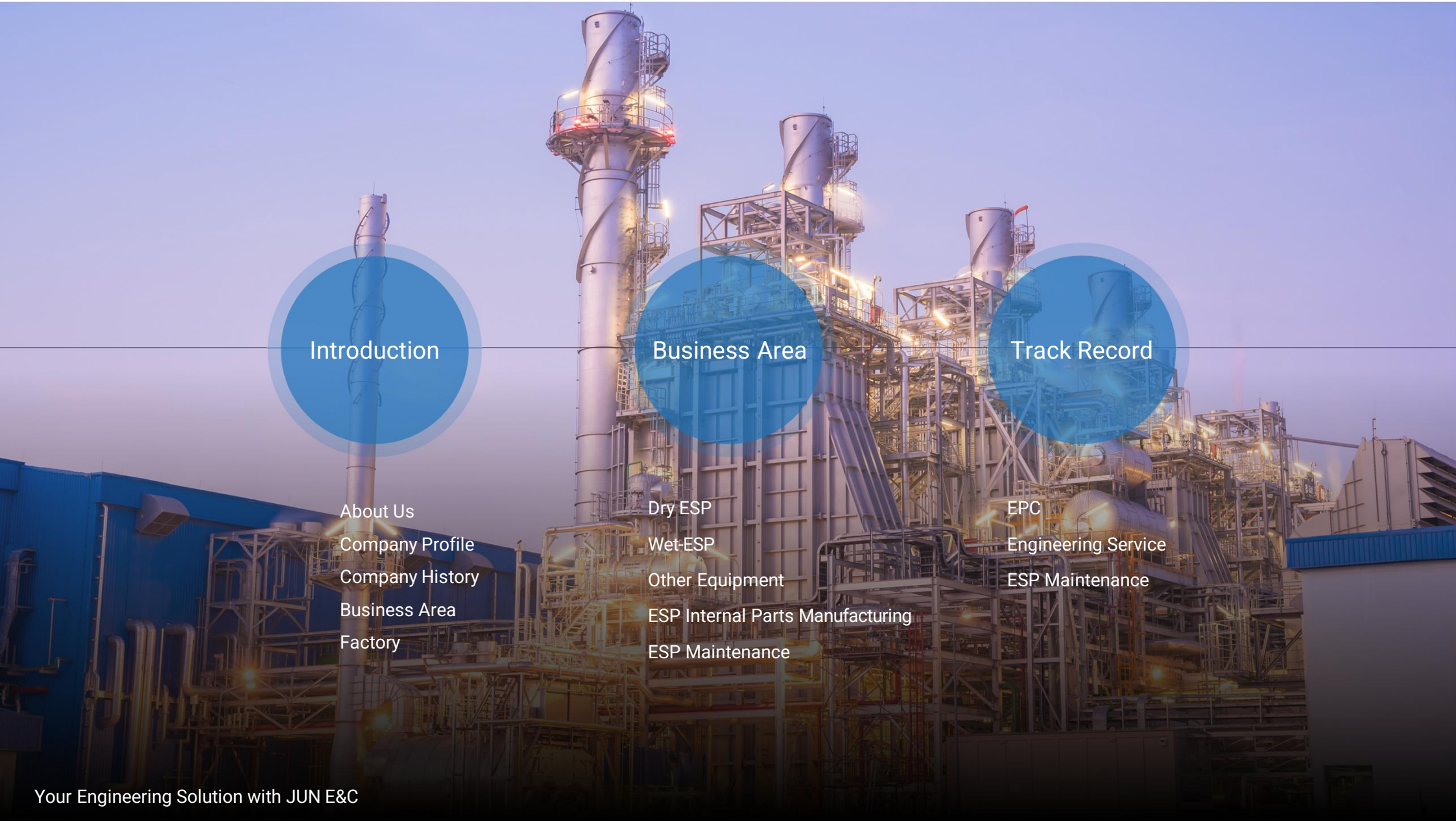
Your Engineering Solution with JUN E&C

Company Introduction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Your Engineering Solution with JUN E&C

We, Jun E&C, have various experience for design, manufacturing, installation, commissioning and maintenance of dry / wet ESPs(Electrostatic Precipitators) in industrial plants.

We supplied dry ESPs for steel plant, industrial plants and large coal fired power plants, especially one of wet-ESPs is the largest for fume gas treatment of steel plant in South Korea.

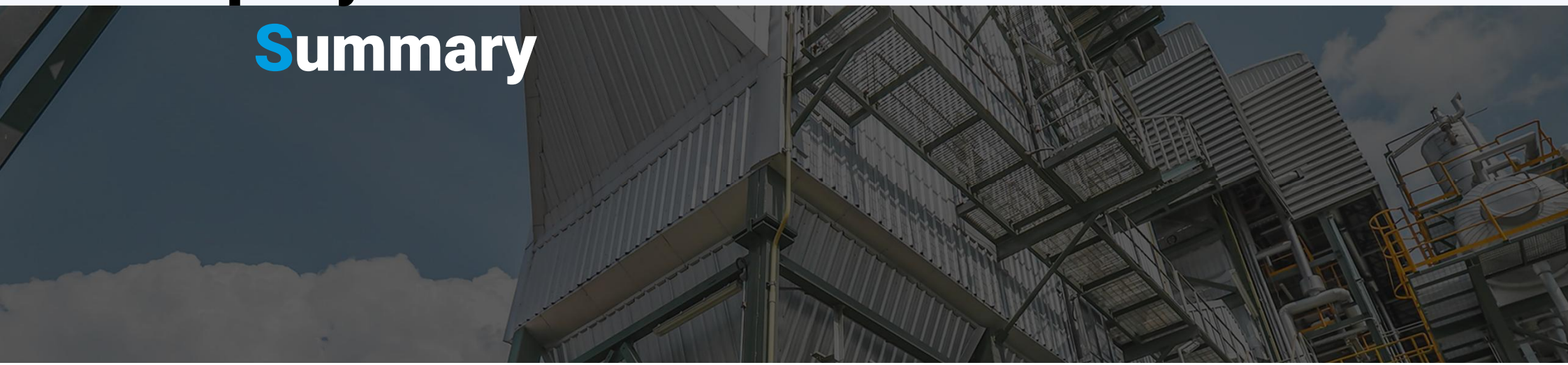
Recently aged ESPs and air quality becomes one of social issues.
We have been responding to the client's requirement to solve this issue with economical retrofitting & revamping solution for best efficiency in short period.

We will continuously try to meet the client's requirements with best technology, competitiveness and a passion.

Thank you for your interest.

CEO LEE, JUNHOI

Company Summary



Company Name	CEO	Address	Foundation
JUN E&C CORPORATION	LEE, JUN-HOI	SK V1 center 810, 25-32, LS-Ro 116beon-gil Dongan-gu, Anyang City, Gyeonggi-do, S. Korea	DEC 10, 2015

Business Area	Tel	Fax	E-mail
ESP (Design, Manufacturing, Installation, Maintenance, Upgrade Engineering for ESP)	070-4258-6190	031-990-7060	jun6190@junenc.kr

Company Introduction

Company History

2022

· Registration of professional construction business
· Revamping work for ESP of Glass Melting Furnace (Client : SGC Solution)

2021

· Detail engineering for Youngheung #1,2 ESP revamping (Client : STX Entech)
· Installation supervision for wet ESP of SamCheonPo#5,6(500MW x 2 Units) Coal Power Plant (Client : STX Entech)
· Revamping work for ESP of Molybdenum Roasting Furnace (Client : SeAh M&S)

2020

· Engineering proposal for a bidding of Youngheung #1,2(800MW x 2 Units) ESP revamping (Client : STX Entech)
· ESP Regular Maintenance for Banwol Industrial Complex Coal Boiler(200 t/h x 3 units)(Client : GS E&R)

2019

· Wet ESP engineering for Samcheonpo Coal Power Plant #5,6 (500MW x 2units)
· ESP engineering for the performance improvement of Cooler ESP (Client : SsangYong Cement)

2018

· Replacement of ESP internal parts for GS E&R Coal Power Plant #1 (Client : GS E&R)
· ESP Regular Maintenance for Saemangeum Coal Power Plant (100MW x 2 Units)
(Client : OCI SE Coal Power Plant)

2017

· Office relocation to SK V1 center in An-Yang city, Gyeonggi-do province
· ESP engineering for Kalselteng#2 coal power plant (100MW) x 2 Units) in Indonesia
· Replacement of ESP internal parts for GS E&R Coal Power Plant #2(200 t/h)
· Contract with SPECO Plant for sharing track records and technology

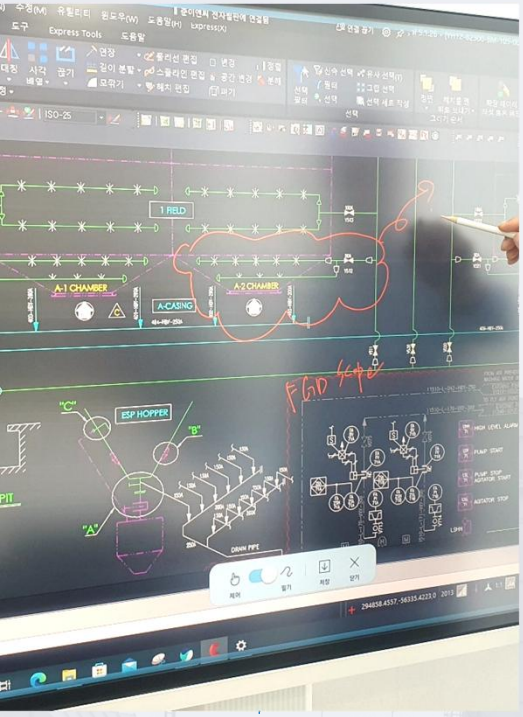
2016

· Engineering, manufacturing and supervision of dry ESP revamping
for Samcheonpo Coal Power Plant #5,6 (500MW)(Client: Halla E&E)

2015

· Replacement of ESP internal parts for Hadong Coal Power Plant #2 (500MW)
· Establishment of JUN E&C

Business Area



Engineering Service

Procurement

Manufacturing and Installation

Maintenance

Factory
(Rent)

Factory

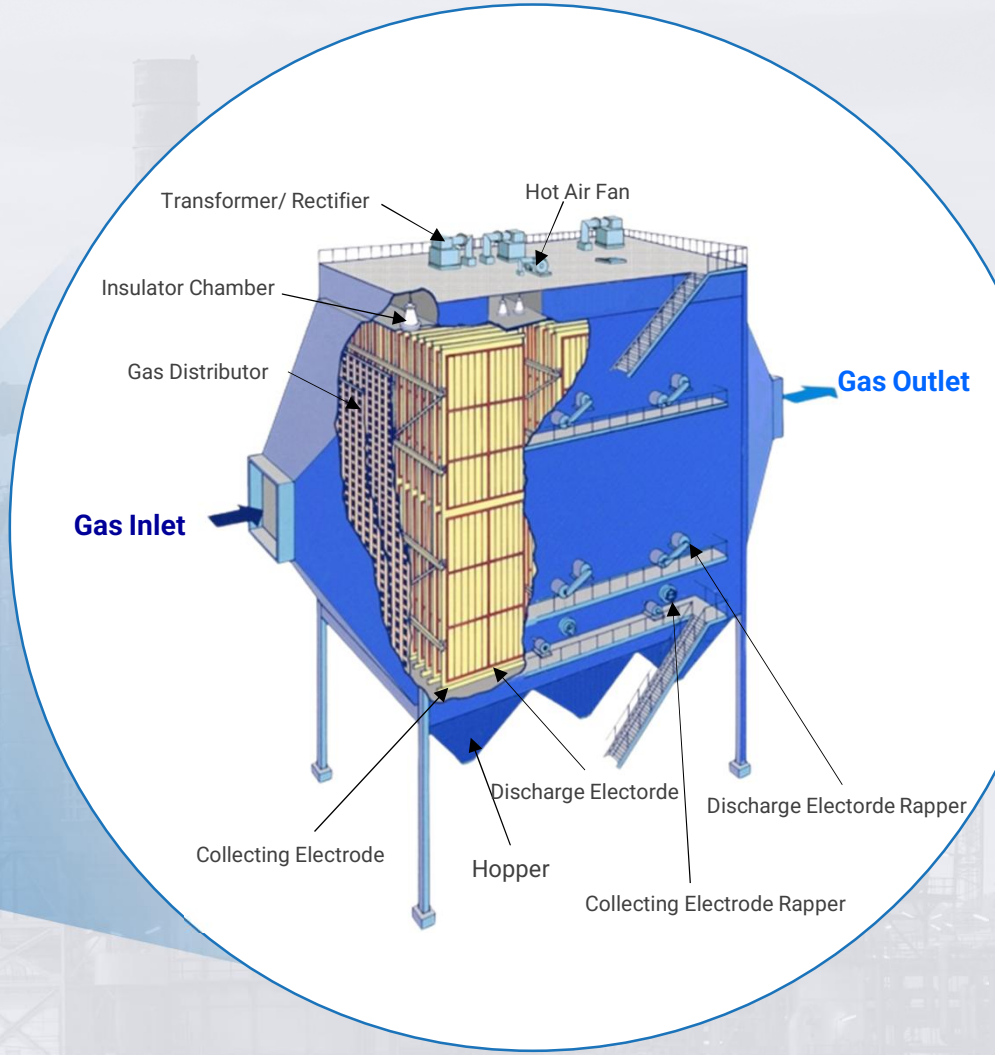
Total Area	22,771㎡
Factory Area	5,535㎡
Office Area	737㎡
Storage Yard	16,499㎡
Location	Dangjin City

No	Equipment	Capacity	Q'ty
1	Overhead Crane	5Ton, 10Ton	3 EA
2	Overhead Crane	6Ton, 20Ton	1 EA
3	Overhead Crane	7.5Ton, 15Ton	1 EA
4	Overhead Crane	3, 2Ton	2 EA
5	MIG Welding M/C	650A	2 EA
6	MIG Welding M/C	600A	3 EA
7	MIG Welding M/C	500A	2 EA
8	Welding M/C	ARC 20kW	1 EA
9	Welding M/C	ARC 10kW	2 EA
10	Welding M/C	ARC 7.5kW	4 EA
11	TIG Welding M/C	500A	2 EA
12	TIG Welding M/C	300A	1 EA
13	Automatic Cutter (O2)	3 Bridge	3 EA
14	Automatic Cutter (O2)	4 Bridge	2 EA
15	Electric Drill	PD-13	2 EA
16	Magnetic Drill	D-23	2 EA
17	Table Drill M/C	YSDM-32	1 EA
18	T,S Wrench	6922NB	1 EA
19	Level Meter	-	2 EA
20	Automatic Cutter	-	1 EA
21	Inverter W/D M/C	203A	2 EA
22	Cutting M/C	Plasma 300A	1 EA
23	Hydraulic punching machine & Pump	B110-1624	1 EA

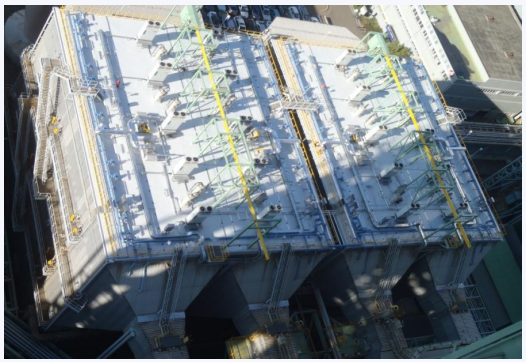
Dry ESP
(Fixed type)

Dry ESP

Standard DE(rigid frame type) has an excellent durability.
As per the dust composition, various type DE can be selected from small size ESP to large size ESP.



Dry ESP (Fixed type) / Main Track Record



Samcheonpo Coal Power Plant

- Project : #5,6 Internal Parts Replacement
- Year : 2017
- Gas Volume : 47,500 Am^3/min
- Guaranteed Emission : 20mg/Nm^3

Hadong Coal Power Plant

- Project : #2 Internal Parts Replacement
- Year : 2015
- Gas Volume : 47,000 Am^3/min
- Guaranteed Emission : 50mg/Nm^3

GS E&R Banwol Power Plant

- Project : #2 Internal Parts Replacement
- Year : 2017
- Gas Volume : 7,680 Am^3/min
- Guaranteed Emission : 12mg/Nm^3

GS E&R Banwol Power Plant

- Project : #1 Internal Parts Replacement
- Year : 2018
- Gas Volume : 7,680 Am^3/min
- Guaranteed Emission : 12mg/Nm^3

Dry ESP (Fixed type) / Main Track Record

Hyundai Energy, Yeosu

- Project : #1,2 ESP New Building
- Year : 2012
- Gas Volume : 8,772 Am^3/min
- Guaranteed Emission : 20mg/Nm^3

JORF LASFER in MOROCCO

- Project : #5 ESP Repairing
- Year : 2016
- Gas Volume : 31,239 Am^3/min
- Guaranteed Emission : 30mg/Nm^3

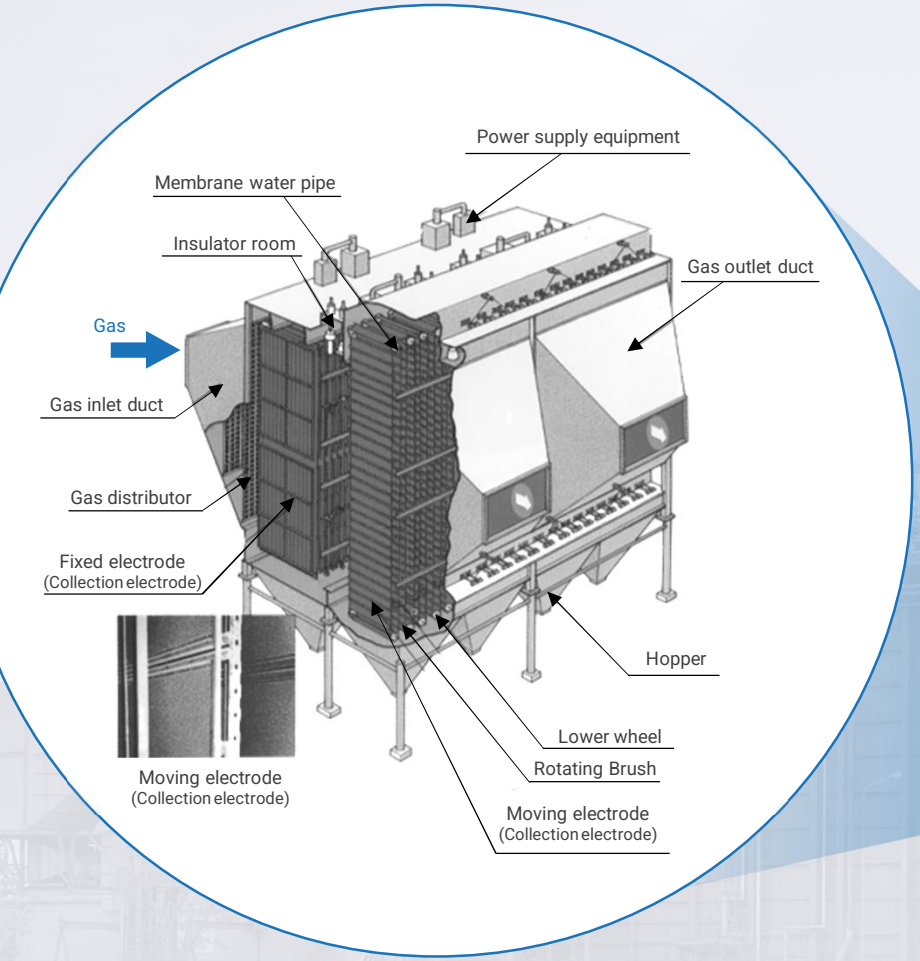
Youngheung Coal Power Plant

- Project : ESP Performance Recovery
- Year : 2018
- Gas Volume : 62,000 Am^3/min
- Guaranteed Emission : 20mg/Nm^3

SeAh M&S Molybdenum Roasting Furnace

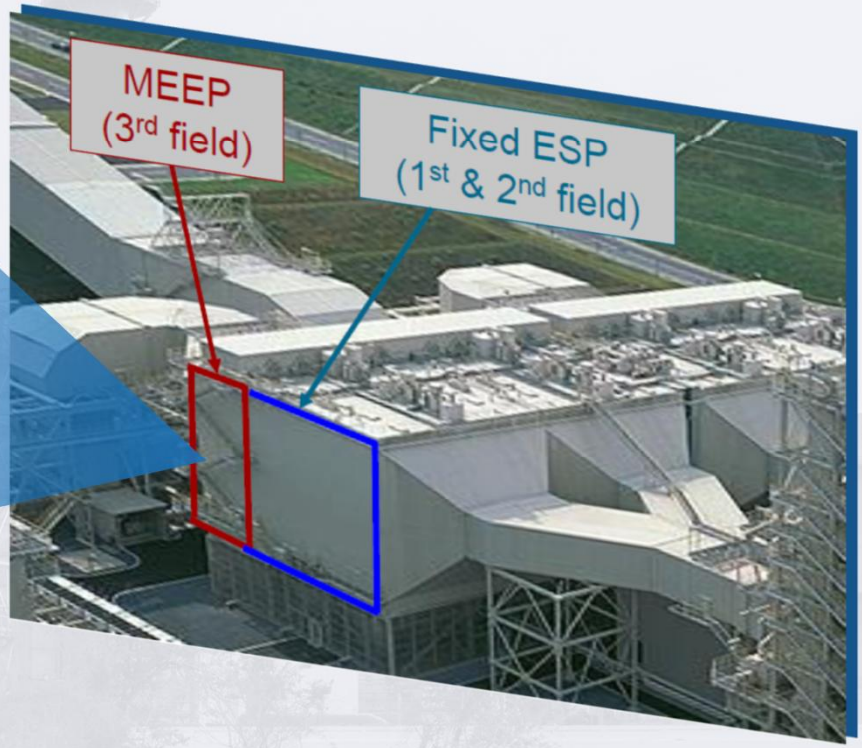
- Project : ESP Revamping
- Year : 2022
- Gas Volume : 550 Am^3/min
- Guaranteed Emission : 20mg/Nm^3

Dry ESP (Moving type)

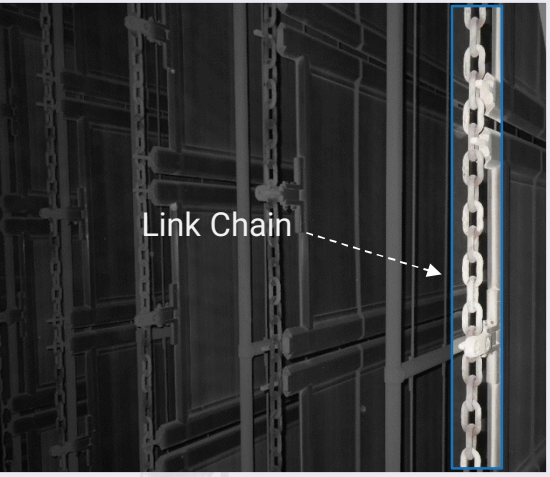


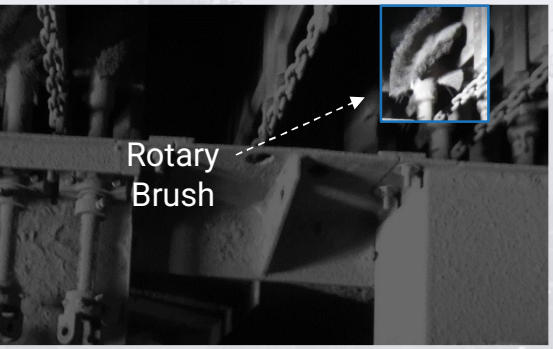
Moving Type ESP

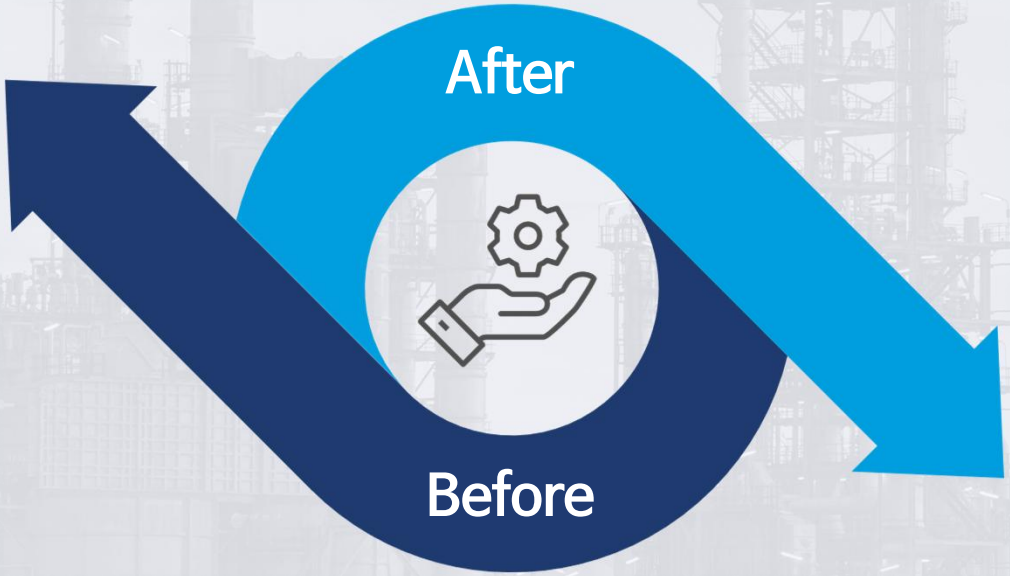
Moving type ESP can be considered for high resistivity dust or no provision area with lower emission. Moving type ESP have been added after existing ESP or changed from last field of existing ESP for higher performance / lower emission.



Dry ESP (Moving type) / Main Track Record

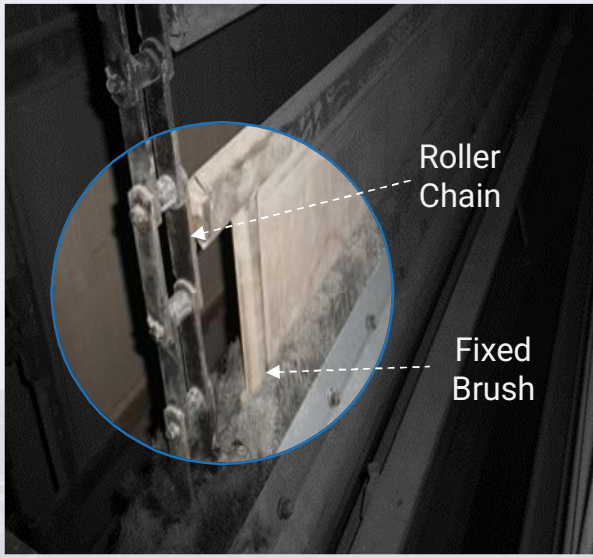






Improvement ESP Internal Parts for DongHae Bio Plant #1

- Year : 2015
- Gas Volume : 18,050 Am^3/min
- Guaranteed Emission : 10mg/Nm^3



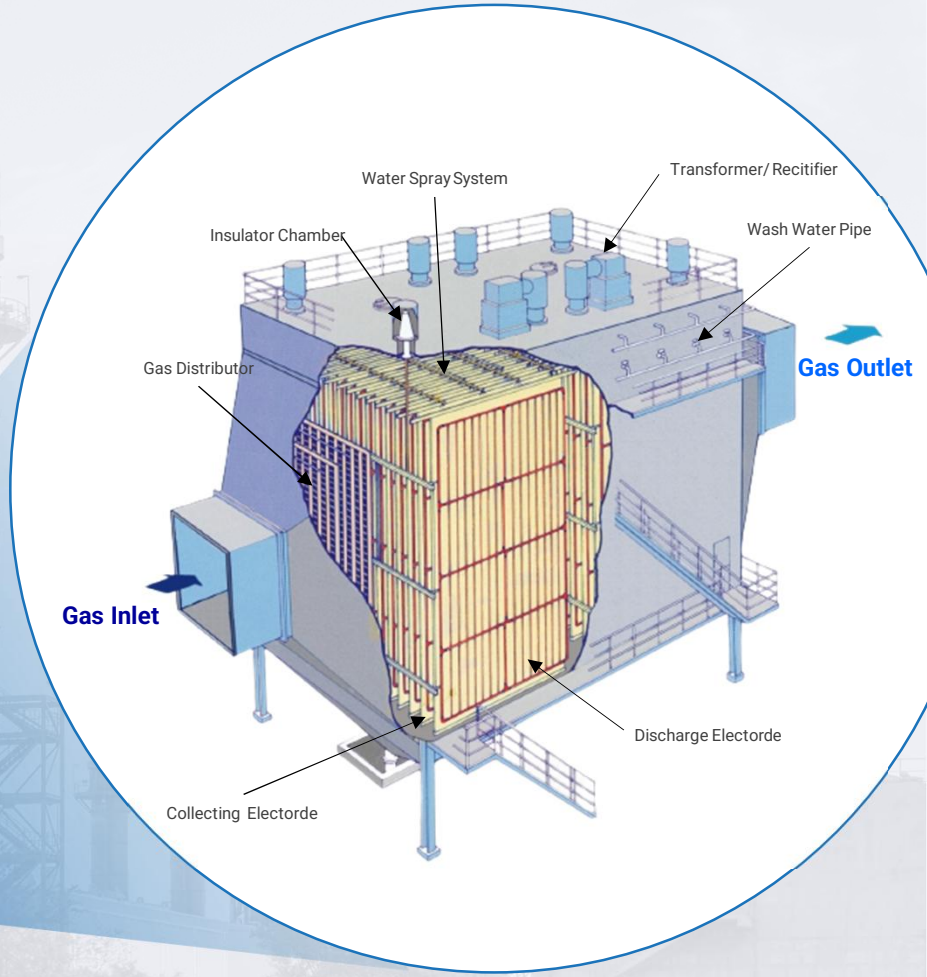
Wet ESP

Wet ESP

standard type is horizontal like to dry ESP. As per industrial applications, vertical cylinder type can be selected.

Dry ESPs are typically not able to treat explosive gases or to meet an ultra emission. So, Wet-ESPs have been used for these conditions. And wet-ESPs are proper to a treatment of dusts in fumes or mists of flue gas.

Vertical and horizontal type are selected to fit site conditions and to connect the systems in the front and the rear.



Wet ESP Main / Track Record

POSCO Gwangyang

- Project : New Building for Thick Plate Factory Finishing Mill Fume
- Year : 2010
- Gas Volume : 7,000 Am^3/min
- Guaranteed Emission : 20mg/Nm^3

Samcheonpo Coal Power Plant

- Project : #5,6 Engineering & Installation Supervision
- Year : 2020
- Gas Volume : 47,000 Am^3/min
- Guaranteed Emission : 50mg/Nm^3

POSCO Gwangyang

- Project : Thick Plate Factory Finishing Mill Fume Exhaust
- Year : 2010
- Gas Volume : 4,000 Am^3/min
- Guaranteed Emission : 20mg/Nm^3

Dongbu Steel Dangjin

- Project : New Building for Finishing Mill Fume
- Year : 2009
- Gas Volume : 4,500 Am^3/min
- Guaranteed Emission : 20mg/Nm^3

Other Equipment / Main Track Record

GS E&R Banwol

- Project : FGD-1 Outlet Duct Replacement
- Year : 2018
- Gas Volume : 15,360 Am^3/min

- Project : Clarifier Replacement
- Year : 2018

- Project : FGD Damper Installation
- Year : 2020
- Gas Volume : 15,360 Am^3/min

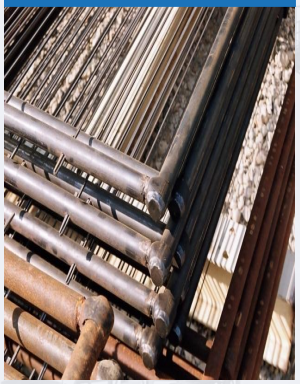
- Project : Dust Collector Replacement
- Year : 2020
- Gas Volume : 295 Am^3/min

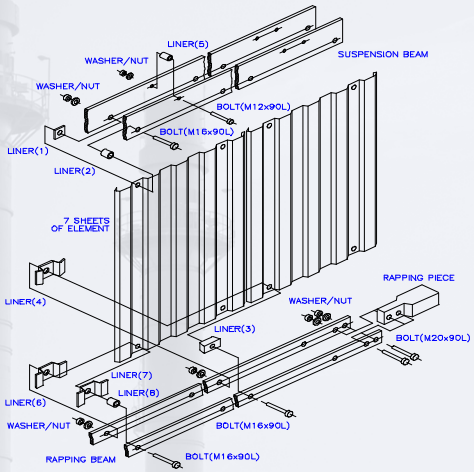
ESP Internal Parts Manufacturing

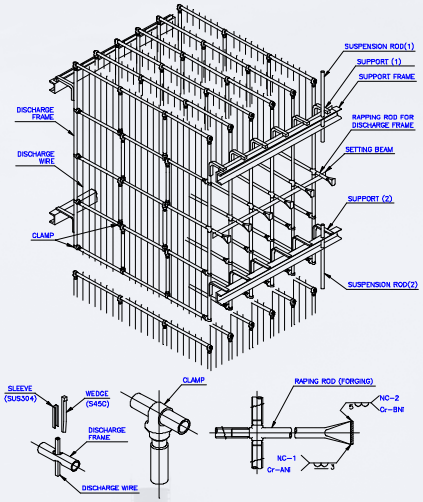
Rapping Device

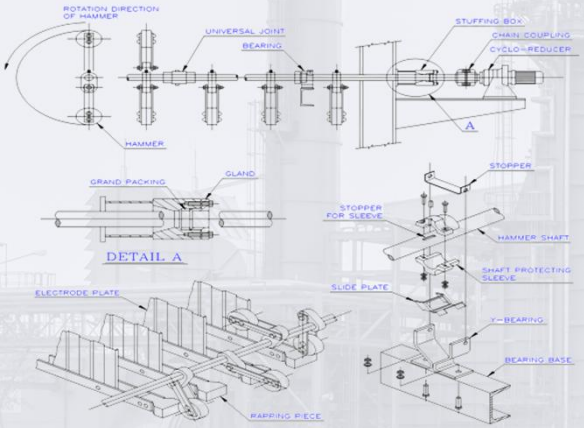
C.E Forming

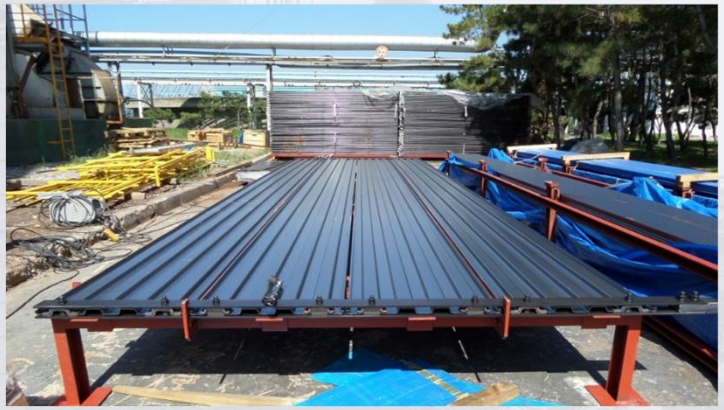
D.E Ass'y

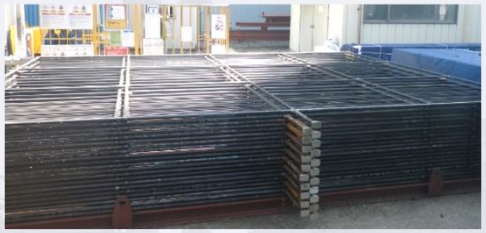












Consulting & Engineering Service

AIR FLOW TEST

INSPECTION BEFORE CLEANING

TR LOAD TEST

SEAL AIR BALANCE

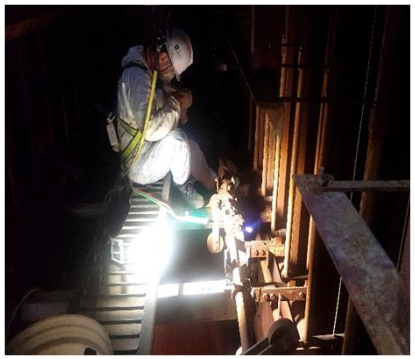
INSPECTION AFTER CLEANING

PERFORMANCE TEST

ESP Maintenance & Repairing

Dry-EP Cleaning

Repairing for rapping system



Replacement of aged or damaged CE

Straightening for curved C.E (De-curving)

Liner installation for CE reinforcement

Clamp installation to fix CE

Track Record

EPC (1/2)

Note : E = Engineering P = Procurement C = Construction

No	Client	Site	Application	Gas Volume (Am3/min)	Q'ty	Completion	Equipment	Scope of Supply
1	Dongbu Steel	Dangjin City	Finishing Mill Fume Exhaust System	4,500 (40℃)	1	2009.06	Wet-EP	EPC
2	POSCO	Gwangyang City	Thick Plate Factory Finishing Mill Fume Exhaust System	4,000 (60℃)	1	2010.03	Wet-EP	EPC
3	POSCO	Gwangyang City	#2 Hot Strip Mill Fume Exhaust System	7,000(50℃)	1	2011.04	Wet-EP	EPC
4	Hyundai Energy	Yeosu Industrial Complex	Coal Fired Boiler #1, #2	8,772 (135℃)	2	2012.01	Dry-EP	EP
5	A-jeon E&C	Hadong Coal Power Plant	TPP Coal Fired Boiler #2, #2 Field	47,000 (125℃), 500MW	1	2015.05	Dry-EP Maintenance	PC
6	EWP	Donghae Bio Power Plant	TPP Fired Boiler #1	18,050 (150℃), 200MW	1	2015.09	Dry-EP Retrofit	EP
7	Halla E&E	JORF LASFAR Coal Power Plant, Morocco	TPP Coal Fired Boiler #5	31,239 (149℃), 350MW	1	2016.03	Dry-EP Maintenance	EC
8	A-jeon E&C	Banwol Coal Power Plant (GS E&R)	Coal Fired Boiler #2	7,680 (150℃)	1	2017.07	Dry-EP Retrofit	EPC
9	B.D.I	Youngheung Coal Power Plant	TPP Coal Fired Boiler #2	62,000 (115℃), 800MW	1	2018.06	Dry-EP Retrofit	C
10	A-jeon E&C	Banwol Coal Power Plant (GS E&R)	Coal Fired Boiler #1	7,680 (150℃)	1	2018.08	Dry-EP Retrofit	EPC

Track Record

EPC (2/2)

No	Client	Site	Application	Gas Volume (Am3/min)	Q'ty	Completion	Equipment	Scope of Supply
11	A-Jeon E&C	Banwol Coal Power Plant (GS E&R)	Coal Fired Boiler #1 & #2	15,360 (150℃)	1	2018.08	FGD Duct Replacement	PC
12	A-Jeon E&C	Banwol Coal Power Plant (GS E&R)	Coal Fired Boiler #1 & #2	15,360 (150℃)	1	2020.06	FGD Damper Retrofit	EPC
13	A-Jeon E&C	Banwol Coal Power Plant (GS E&R)	Coal Handling System	295 (20℃)	1	2020.11	Bag Filter Replacement	EPC
14	KEPS	Yeosu Industrial Complex	Coal Fired Boiler #1	8,772 (135℃)	1	2021.05	Dry-EP Retrofit	PC
15	SeAH M&S	Yeosu Factory	Molybdenum Furnace Exhaust	550 Nm3/min (300℃)	1	2022.04	Dry-EP Revamping	EPC
16	GS E&R	Banwol Coal Power Plant	Coal Fired Boiler #1 & #2	7,680 (150℃)	2	2022.08	Dry-EP Revamping	EPC
17	SGC SOLUTION	Cheonan Factory	Glass Melting Furnace	500 Nm3/min (400℃)	1	2023.04 예정	Dry-EP Revamping	EPC

Track Record

Engineering Service (1/2)

Note : E = Engineering P = Procurement C = Construction

No	Client	Site	Application	Gas Volume (Am3/min)	Q'ty	Completion	Equipment	Remark
1	Halla E&E	Samcheonpo Coal Power Plant	TPP Coal Fired Boiler #5,#6	47,500 (146℃)	2	2017.09	Dry-EP Retrofit Mechanical Engineering	550MW
2	Halla E&E	Samcheonpo Coal Power Plant	TPP Coal Fired Boiler #5,#6	47,500 (146℃)	2	2017.09	Dry-EP Retrofit Technical Supervision	550MW
3	B.D.I	Boryeong Coal Power Plant	TPP Coal Fired Boiler #3	43,500 (105℃)	1	2017.09	Dry-EP Retrofit Proposal Engineering	500MW
4	AERIX	KALSELTENG 2 CFSPP Indonesia	TPP Coal Fired Boiler #1,#2	13,400 (156℃)	2	2018. 03	Dry-EP Mechanical Engineering	100MW
5	B.D.I	An-In Coal Power Plant	IPP Coal Fired Boiler #1,#2	80,700 (110℃)	2	2018. 07	Dry-EP Proposal Engineering	1040MW
6	B.D.I	Samcheonpo Coal Power Plant	TPP Coal Fired Boiler #5,#6	46,500 (50.6℃)	2	2020. 03	Wet-EP Mechanical Engineering	550MW
7	SSangYong Cement	Donghae Plant	#1 Clinker Cooler	16,000 (265℃)	1	2019. 06	Dry-EP performance diagnosis	
8	Sae-A STX Entech	Samcheok Coal Power Plant	IPP Coal Fired Boiler #1,#2	87,306 (91℃)	2	2020. 02	Dry-EP Proposal Engineering	1050MW
9	KOEN	Samcheonpo Coal Power Plant	TPP Coal Fired Boiler #5,#6	46,500 (50.6℃)	2	2020. 10	Wet-EP Technical Supervision	550MW
10	Seongshin Cement	Danyang Plant	#5 Clinker Cooler	15,500 (270℃)	1	2020. 11	Dry-EP performance diagnosis	

Track Record

Engineering Service (2/2)

No	Client	Site	Application	Gas Volume (Am3/min)	Q'ty	Completion	Equipment	Remark
11	Sae-A STX Entech	Youngheung Coal Power Plant	TPP Coal Fired Boiler #1,#2	61,600 Am3/min (110℃)	2	2020. 12	Dry-EP Proposal Engineering	800MW
12	Sae-A STX Entech	Youngheung Coal Power Plant	TPP Coal Fired Boiler #1,#2	61,600 Am3/min (110℃)	2	2021. 04	Dry-EP Mechanical Engineering	800MW
13	Sae-A STX Entech	Samcheok Coal Power Plant	TPP Coal Fired Boiler #5	46,500 Am3/min (50.6℃)	1	2021. 08	Wet-EP Installation Supervision	550MW

Track Record

ESP Regular Maintenance & Repair

No	Client	Site	Application	Gas Volume (Am3/min)	Q'ty	Completion	Equipment	Remark
1	OCI SE	Saemangeum Coal Power Plant	IPP Coal Fired Boiler #1 & #2	14,011 Am3/min (115℃)	2	2018~	1.Checking for ESP Internal parts 2. Repairing 3. ESP Problem Report & Solution	150 MW
2	KEPS	Yeosu Industrial Complex	Coal Fired Boiler #1 & #2	8,772 Am3/min (135℃)	2	2018~		
3	A-Jeon E&C	Banwol Coal Power Plant (GS E&R)	Coal Fired Boiler #1 ~ #3	7,500 Am3/min (150℃)	3	2020~		


JUN E&C
CEO LEE, JUNHOI
+82-10-2886-2417
philmech@junenc.kr
Technical Director YOU, KISUN
+82-10-3861-0496
ksy@junenc.kr
810 Ho, SK V1 center
25-32, LS-ro 116beon-gil, Dongan-gu, Anyang-si,
Gyeonggi-do, Republic of Korea
070-4258-6190
Your Engineering Solution with JUN E&C