



KEPS

KOREA ENGINEERING & POWER SERVICE

At KEPS, we create value in sustainable ways.

Our involvement and participation in the Power Industry contributes to the well-being of society.



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A message from our CEO

Health and Safety is a part of every operation at KEPS



“KEPS drives towards continuous improvement, with our focus on innovation to become a global leader in the plant facilities of commissioning, operation and maintenance market.”

We strive to achieve customer satisfaction through continuous improvement with a focus on innovation.

The start of our journey towards being recognized as a capable and trustworthy power plant O&M company began when we provided commissioning services to the Yeosu community energy cogeneration project. Through the tireless efforts of our employees we successfully completed this task.

Health and Safety in KEPS must be part of every operation. Management accepts the responsibility of providing a safe working environment, and employees are expected to take the responsibility of performing work in accordance with safe standards and practices.

We appreciate the trust that our existing customers show in us, and we will continue to exceed their expectations. We have continuously expanded our capabilities, and now stand ready to enter the global market.

By supplying competitive, capable, and well-managed services we will continue to meet our customers' needs, and thereby providing great customer satisfaction.

Sincerely,

Young Jin Park

CEO

Korea Engineering & Power Service Co., Ltd

History

02 Company launched

04 Commissioning for Yeosu Community Energy System

2011

- 02 Company launched
- 04 Commissioning for Yeosu Community Energy System

2012

- 01 Start O & M for Samcheonpo thermal ash refinement facility
- 06 Start O & M for Yeosu Community Energy System
Acquisition of Engineering license
- 07 Ansan CCPP construction management support
Acquisition of Electrical Construction Business license
- 09 O&M of Solar Power Highway
- 11 Design review of Ansan CCPP
Relocation of HQ to Seongnam-si, Gyeonggi-do Province

2013

- 01 Start Operation for Yeongheung #5,6 Environmental facility
Start Operation for Samcheonpo Environmental facility
Bundang #1 block maintenance
Samcheonpo #6 Boiler maintenance
Saudi Jeddah PJT Technical assistance services
Yeongheung #1-4 Bottom ash facility design advice
Yeongheung wind power O&M
- 02 Yeongam wind power O&M
- 05 Best solar O&M
Q one solar O&M
- 06 Yeonan solar O&M
- 07 Acquisition of Comprehensive Design / Supervision license

2014

- 01 Announce 'KEPS Leap year'
"Power Plant Life Cycle Management Leader"
- 04 Signed agreement with KPLI(Korea Power Learning Institute) for
Maintenance personnel training project development
- 06 KOSHA18001 certification- Yeosu, Bundang, Yeongheung,
Samcheonpo
- 09 Relocation of HQ to Seoul
Acquisition of Overseas Construction license
- 11 Establish R&D center
Signed contract of commissioning for
Turkey Tufanbeyli Thermal Power Plant

2015

- 01 Start Operation for Yeongdong coal-fired power plant on coal-
handling, ash disposal, and desulfurization unit operation
- 03 Acquisition of ISO 9001 certification
Establish Technology Training Institute
- 04 Acquisition of 5 Patents
Signed MOU with the Vietnam Government-owned service
company, EVN-NPS (North Power Service)
Signed agreement with Korea Southern Power for National
Human Resource Development Consortium
- 06 Designated the Technology Training Institute as a
vocational training facility (System Control)
- 07 Signed MOU for cooperation with Korea South-East Power company
Signed operation contract for Taeon #9, 10 and IGCC fuel
environment facilities
Signed technical cooperation MOU with Emerson Process Management
- 08 Signed contract of commissioning and tuning for Colombia
TT2 coal-fired Power Plant
- 10 Signed MOU with KEPCO Engineering & Construction
Signed commissioning contract for Prai CCGT, Malaysia
- 11 Signed overall commissioning contract for Pocheon CCPP
Signed overall commissioning contract for Jangmun CCPP
Signed contract of commissioning for Seokmun Community
Energy System

2016

- 01 Signed routine maintenance contract for boiler #3,4 of
Samcheonpo
- 02 Acquisition certification of environmental management(ISO 14001)
- 03 Signed routine maintenance contract for boiler #9,10 of Taeon and
IGCC
Signed O&M contract for Geumseong wind power, Yeosu
Signed MOU for cooperation with India VOLTECH
- 06 Signed MOU with OMS and DESEIN
- 08 Signed contract of commissioning for Saudi Arabia SSPP Project
Signed contract of commissioning for UAE Mirfa IWPP
Signed The Overhaul of Heat Production Facilities at Yongin Branch
of KDHC
- 09 Selected as cooperation company by KEPCO KPS (machinery,
electricity)
Signed O&M contract for Hajang II wind power, Samcheok
- 11 Signed contract of commissioning for Ras Laffan C IWPP HRSG #5
Signed contract of maintenance support for Goyang Branch of
KDHC
- 12 Start O&M support for Philippines Puting Bato 270MW coal-fired
power plant

2017

- 04 Signed O&M contract for Hajang III
wind power, Samcheok
- 05 Received a credit rating upgrade to A+
- 11 Signed contract of commissioning for UAE
SARB Project
Signed contract of commissioning for
Algeria Biskra SCPP F.O
Signed contract of inspection & OJT
services for Bangladesh Siddhirganj CCPP

2018

- 02 Signed ESS O&M contract for Best solar
- 03 Signed operation contract for Poseung Green
Power fuel & ash handling facilities
- 04 Signed contract of maintenance support for
Yongin Branch of Korea District Heating Corp
- 05 Signed contract of commissioning for Cheongju
Hynix M15 Project(SK E&C)
Signed O&M contract for Hajang 4 wind
power, Samcheok
- 06 Started Onshore Training and commissioning
Services for Iraq Khabat 300MW TPP
Started Operation support for Indonesia
Kalsel-1 200MW TPP Project
- 08 Started Facility diagnostic service for Indonesia
PT. MIWON Cogeneration Plant
- 10 Commenced Technical Advisory Service for
Chile PIEM Project
- 12 Started O&M technical support for Indonesia
Palabuhan Ratu CFPP
Signed MOU with PPS (USA)

2019 / 2020 / 2021

- 2021**
- 02 Signed Gas Turbine Maintenance contract for Dongtan CHP
- 03 Signed Overhaul Maintenance contract for Hanam Cogeneration Power Plant
- 06 Signed contract of O&M technical support for boiler #2 of Goseong Green
Power
- 2020**
- 05 Started 3Months O&M Services at khabat Thermal Power plant, Iraq
- 11 Headquarters relocation to Seongnam-si
- 2019**
- 04 Started O&M technical support for Indonesia PT. MIWON Cogeneration Plant
- 12 Signed contract of commissioning for Goseong Green Power(SK E&C)

Company Organization Overview

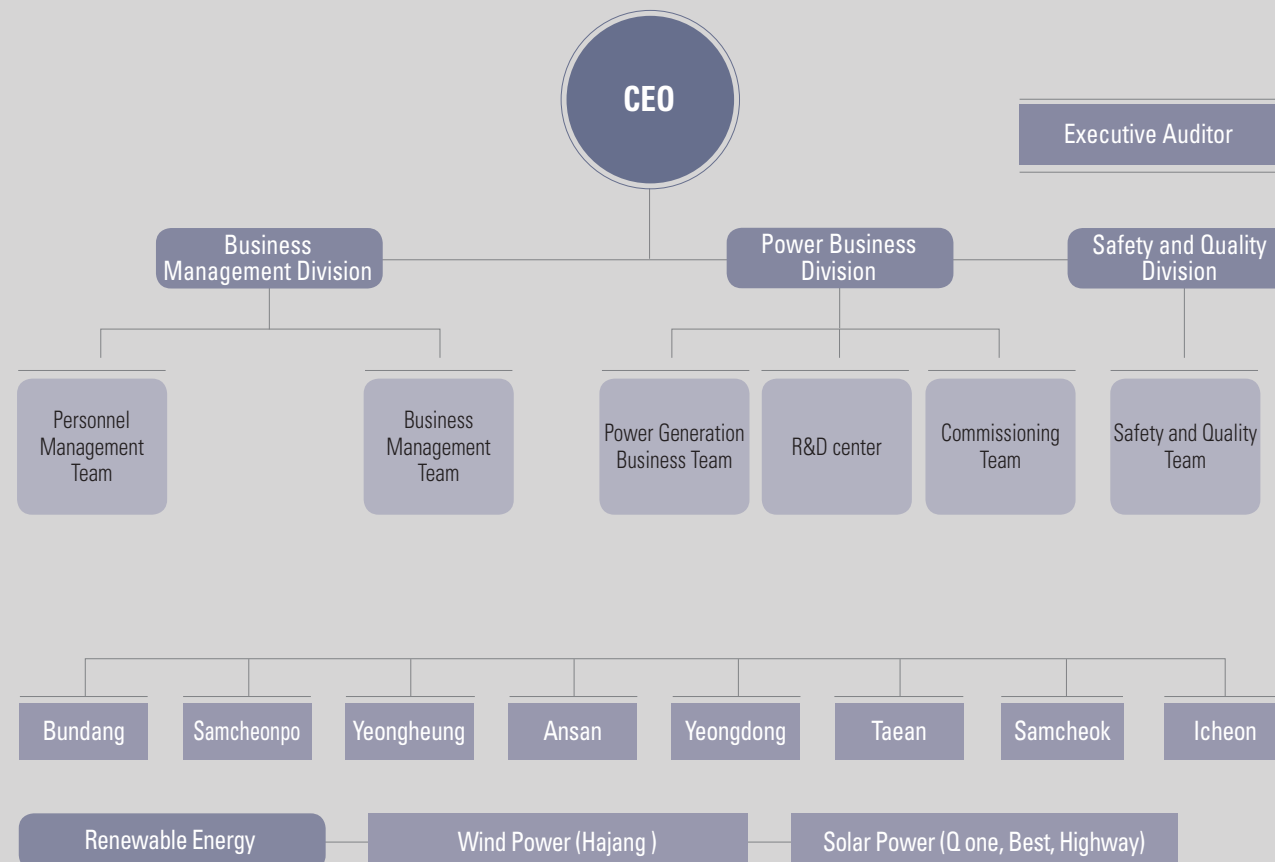
Mission & Vision

KEPS was established in 2011, and is now able to offer a full range of O&M expertise on a global basis, often carrying the South Korean flag to projects around the world. We can provide technical advisory services, and/or assume responsibilities for any portion of a project's life cycle, as well as commissioning services.

Domestically we have been taking the duties of O&M, both for conventional and renewable energy facilities.

Established on	Feb.10, 2011
Head office	34F, 24, Yeoui-daero, Yeongdeungpo-gu, Seoul
Branch offices	Bundang, Yeongheung, Samcheonpo, Ansan, Yeongdong, Taeon, Samcheok, Icheon, Renewable
Number of Employees	800
Business area	O&M for Domestic and international power facilities Environmental specialist work Engineering Electrical Construction Works Mechanical Works Commissioning

■ Head office : 3 divisions ■ Branch offices : 10 offices



Our mission is to contribute to the global energy industry by operating power plants safely and efficiently while also engineering innovative technology. The long-term vision we wish to achieve by 2020 is for all of our employees to share the core values of talent management, to promote creative technology, and to have a challenging spirit.

Mission




To contribute to the global energy industry by operating its power plants in a stable and efficient manner, using our innovative tools and techniques.

Talent Management (Structured Training and Nourishment)

Talent management will be executed together with the following:
First the premise that the organization's human resources are essential and are of utmost importance.
Second the commitment that one's self-development and improvement will be an ongoing and maintained task until retirement.
Third the responsibility that human resources will be developed in a systematic way.

Vision



To be a global leader in power plant Operation and Maintenance, encompassing the entire life cycle of the plants.

Challenging Spirit

We do not settle for the status quo. We continuously absorb new generations of advanced technology by actively challenging ourselves and by pioneering innovative changes.

Creative Technology

We will achieve the best quality, by promoting continuous improvement through technical advancement, with a view to enhance the reliability of operation and maintenance.



Business Field



Engineering

- ▶ IPP Development Support
- ▶ Design Review
- ▶ Construction Inspection & Audit
- ▶ Plant Performance Review

Commissioning

- ▶ Create Punch List
- ▶ Review of as-built Drawings & Documents
- ▶ Commissioning and Tuning Service
- ▶ Establish and/or Review Commissioning Procedures
- ▶ Establish O&M Policy and/or Procedures

Power Plant O&M

- ▶ Main Equipment
 - Boiler: Pulverized Coal Boiler
Fluidized Bed Boiler
HRSG Boiler
 - Turbine / Generator : Steam Turbine / Generator
Gas Turbine / Generator
- ▶ Fuel Environmental Facility (waste water treatment, coal handling, ash handling)

Renewable Energy Facilities O&M

- ▶ Wind Power
- ▶ Solar Power
- ▶ ESS
- ▶ Small Hydro Power
- ▶ Fuel Cell



Engineering

Engineering Experience

We provide an optimized power plant life cycle management system derived from our combined knowledge that has been picked up over years of field experience. Such services include step-by-step business task analysis, focused management by discipline, and an associated project management system.



IPP Development Support

We will offer project optimization and service, considering the initial investment cost, and cost of facilities. We will meet our customers' needs by developing the power plant business, extending the life of aging facilities, and improving and altering the overall performance of the power plants.

Design Review

Given that more than 80% of any project's quality and cost are determined during the design phase, we introduce the ERRRC(Eliminate, Reduce, Raise, Create) and VE(Value Engineering) concepts in order to establish a solution that reflects O&M considerations. Our solutions allow O&M of the plant to be efficient and effective while minimizing the capital cost of the plant.

Construction Inspection & Audit

To achieve the most economically beneficial construction, we systematically plan, adjust, and manage all aspects of the construction of each facility. We accomplish this by optimizing the construction interface, by studying the constructability of the delivered equipment, and thereby being able to minimize the personnel and construction equipment needed. We utilize a skilled workforce that matches each individual facility's needs.

Plant performance Review

By carefully studying the current operation of our plants, we are able to establish and implement appropriate improvements to our facilities, thereby ensuring that our plants can continue to operate reliably and safely, extending the lifetime of the equipment. As part of this process, we document all the factors that have caused interruptions in the past and that might cause the equipment to fail in the future.



Yeosu Thermal Power Plant # 1 (Basic design)

- Capacity of plant : 350MW
- Period of business : 2013. 3. 27 ~ 2016. 5. 31
- Performing business : #1 Yeosu CFBC Basic design
 - Design: design standard, basic review report, technical specification report, etc
 - Technical support: equipment purchase, quality inspection, technical support for commissioning
- Client : Korea South-East Power Co., LTD.(KOEN)



Design review of Ansan CCGP

- Capacity of plant : 834.3MW
- Period of business : 2012. 11 ~ 2014. 10
- Performing business : Review of documentation (Design, Manuals, Vendor prints, Dwg., etc)
- Client : Korea South-East Power Co., LTD.(KOEN)

Ansan CCGP construction management support

- Period of business : 2012. 8. 1 ~ 2014. 3. 31
- Performing business : Construction management support (management of processes, construction, materials and data. operation of construction management system, etc.)
- Client : Korea South-East Power Co., LTD.(KOEN)



Saudi Arabia, Jeddah PJT

- Capacity of plant : 2,640MW
- Period of business : 2013. 1. 16 ~ 2014. 1. 31
- Performing business : Saudi Jeddah PJT Consulting (Boiler, Elec', Control, Piping, Heater, etc)
- Client : Hyundai Heavy Industries(HHI)



Commissioning



Based on the proven results of our commissioning efforts at both the Yeosu Community Energy project and the Ansan CCPP project, KEPS plans on expanding our business by providing commissioning services to both domestic and international power plant projects.

Commissioning

We participate in commissioning services that occur towards the end phase of power plant construction. These tests include trial runs, performance tests and reliability runs.

Major commissioning services

- Unit Equipment Commissioning, Comprehensive Commissioning(TA, CCR agent)
- Commissioning and Tuning works for power plant facilities
- Review of commissioning contract terms
- Detailed commissioning plan and procedure development
- Punch list creation and management
- Site diagnostic support facilities
- Equipment improvement suggestions
- Local staff training



Domestic Power Plant Commissioning

KEPS provides domestic private generating clientele with high quality services based on expert knowledge that has been obtained in commissioning services at Yeosu Community Energy project and the Ansan CCPP project. We have contributed to the enhancement of Korean EPC business's competitiveness by participating in responsible commissioning service at Pocheon, Seokmun, Jangmun projects.

Overseas Power Plant Commissioning

KEPS has accumulated diverse experiences in the international commissioning services by performing commissioning services in Vietnam, Malaysia, Colombia. After the first overseas commissioning service for Vietnam Mongdung II in 2014, KEPS has been continuously expanding overseas commissioning businesses by performing commissioning services in Tufanbeyli, Termotasajero II. KEPS has actively extended to various business opportunities in India, Middle East as well as Africa based on the partnership with O&M companies in Vietnam and India.

Commissioning Maintenance

Up to start of commercial operation, to ensure that the equipment can operate efficiently, KEPS carries out various commissioning works such as preventive inspection, testing of equipment and facilities, and immediate failure recovery work to any accidents.

Commissioning Experience (Domestic)

Yeosu Community Energy System (Fluidized Bed)

- **Capacity of plant :**
 - Main Boiler : 350t/h × 2 (CFBC)
 - Sub Boiler : 160t/h × 1, 60t/h × 1
 - Steam Turbine : 24.2MW × 2
- **Period of business :** 2011. 4. 25 ~ 2012. 7. 31
- **Performing business :** Commissioning services
- **Client :** Korea South-East Power Co., LTD.(KOEN)



Shin Pyeongtaek Combined Cycle Power Plant(CCPP)

- **Capacity of plant :** 942.9MW, (2GT+2HRSG+1ST)
- GT : 319.2MW × 2
- ST : 304.5MW × 1
- **Period of business :** 2018. 8. 1 ~ 2019. 12. 31
- **Performing business :** Commissioning technical support
- **Client :** Blue O&M



Ansan Combined Cycle Power Plant (CCPP)

- **Capacity of plant :** 834.3MW
- GT : 275.6MW × 2
- ST : 283.1MW × 1
- **Period of business :** 2013. 7. 15 ~ 2014. 11. 14
- **Performing business :** Commissioning services
- **Client :** Korea South-East Power Co., LTD.(KOEN)



Cheongju Hynix M15 Project

- **Period of business :** 2018. 6. 14 ~ 2018. 12. 31
- **Performing business :** Commissioning services
- **Client :** SK E&C



Pocheon Combined Cycle Power Plant (CCPP)

- **Capacity of plant :** 947.2MW, (2GT+2HRSG+1ST)
- GT : 316.7MW × 2
- ST : 313.8MW × 1
- **Period of business :** 2015. 11. 17~2017. 3. 31
- **Performing business :** Commissioning services
- **Client :** Daewoo E&C



Goseong Thermal Power Plant

- **Capacity of plant :** 2,080MW (1,040MW × 2)
- **Period of business :** 2019. 12. 9 ~ 2020. 11. 31
- **Performing business :** Commissioning Services
- **Client :** SK E&C



Jangmun Combined Cycle Power Plant (CCPP)

- **Capacity of plant :** 1,823MW, (2GT+2HRSG+1ST) × 2Block
- GT : 316.7MW × 4
- ST : 313.8MW × 2
- **Period of business :** 2015. 12. 1~2017. 4. 30
- **Performing business :** Commissioning services
- **Client :** SK E&C



Yeosu Combined Cycle Power Plant (CCPP)

- **Capacity of plant :** 995.0MW
- GT : 332.5MW × 2
- ST : 330.0MW × 1
- **Period of business :** 2022. 6. 13 ~ 2023. 10. 31
- **Performing business :** Commissioning services
- **Client :** SK ecoengineering



Seokmun Community Energy System (Biomass)

- **Capacity of plant :** 38.9MW
- **Period of business :** 2015. 11. 6~2017. 1. 14
- **Performing business :** Commissioning services
- **Client :** POSCO E&C



Samcheok Thermal Power Plant

- **Capacity of plant :** 2,100MW (1,050MW × 2)
- **Period of business :** 2022. 8. 23 ~ 2024. 4. 30
- **Performing business :** Commissioning services
- **Client :** Doosan Enerbility



Commissioning Experience (Overseas)

Turkey, Tufanbeyli Thermal Power Plant (Fluidized Bed)

- **Capacity of plant** : 450MW (150MW x 3), CFBC
- **Performing business** : CCR Operation
- **Period of business** : 2014. 12. 1 ~ 2016. 12. 17
- **Remarks** : The world's first low-calorie lignite power plant
- **Client** : SK E&C



UAE, Mirfa Independent Water and Power Project (IWPP)

- **Capacity of plant** : 1,620MW
- CCPP : 1,260MW (3GT+3HRSG+2ST)
- OCGT : 360MW (4GT)
- **Period of business** : 2016. 7. 1 ~ 2017. 11. 8
- **Performing business** : Commissioning services
- **Client** : Hyundai E&C



Vietnam, Mong Duong II Thermal Power Plant (Pulverized Coal)

- **Capacity of plant** : 1,120MW (560MW x 2)
- **Performing business** : Commissioning services
- **Period of business** : 2014. 11. 10 ~ 2015. 3. 31
- **Remarks** : Vietnamese first coal-fired IPP project
- **Client** : Doosan Heavy I&C



Qatar, Ras Laffan C Independent Water and Power Project (IWPP)

- **Capacity of plant** : 2,730MW
- **Period of business** : 2016. 11. 27 ~ 2016. 12. 31
- **Performing business** : #5 HRSG commissioning
- **Client** : Hyundai E&C



Colombia, Termotasajero II Thermal Power Plant (Pulverized Coal)

- **Capacity of plant** : 161.6MW (161.6MW x 1)
- **Performing business** :
- Commissioning services / TA(Technical Advisor)
- Tuning
- **Period of business** : 2015. 8. 21 ~ 2016. 7. 15
- **Client** : Hyundai ENG



Saudi Arabia, Shuqaiq Steam Power Plant

- **Capacity of plant** : 2,640MW (660MW x 4)
- **Period of business** : 2016. 7. 27 ~ 2018. 4. 30
- **Performing business** : CCR Operation
- **Client** : KEPCO KPS



Malaysia, Prai CCGT Power Plant

- **Capacity of plant** : 1,071MW (1GT+1HRSG+1ST)x2Block
- **Performing business** : TA(Technical Advisor)
- **Period of business** : 2015. 10. 6 ~ 2015. 11. 5
- **Client** : Samsung C&T



UAE, SARB Refinery Project

- **Period of business** : 2017. 10. 1 ~ 2018. 10. 31
- **Performing business** : Commissioning services
- **Client** : Hyundai E&C



Commissioning Experience (Overseas)

Algeria, Biskra SCPP (Fuel Oil)

- **Capacity of plant** : 4450MW
- GT : 225MW × 2 (Simple Cycle)
- **Period of business** : 2017. 11. 5 ~ 2018. 6. 30
- **Performing business** : Commissioning services
- **Client** : Hanwha E&C



Bangladesh, Siddhirganj CCPP

- **Capacity of plant** : 335MW (1GT+1HRSG+1ST)
- **Period of business** : 2017. 11. 22 ~ 2018. 5. 12
- **Performing business** : Inspection & OJT services
- **Client** : Samsung C&T



Iraq, Khabat Thermal Power Plant

- **Capacity of plant** : 300MW (150MW × 2)
- **Period of business** : 2018. 6. 24 ~ 2020. 2. 29
- **Performing business** : OJT Services, Commissioning Services
- **Client** : Subnex Technology Korea



Indonesia, PT. MIWON Cogeneration Plant

- **Capacity of plant** : 150t/h CFBC, 23MW
- **Period of business** : 2018. 8. 28 ~ 2018. 9. 21
- **Performing business** : Facility diagnostic service
- **Client** : PT. MIWON Indonesia



Indonesia, Kalsel-1 Thermal Power Plant

- **Capacity of plant** : 200MW (100MW × 2, CFBC)
- **Period of business** : 2018. 6. 1 ~ 2019. 5. 31
- **Performing business** : CCR Operation
- **Client** : Guam Advance Ent., Inc.



Chile, PIEM Project

- **Capacity of plant** : 375MW (375MW × 1)
- **Period of business** : 2018. 10. 1 ~ 2019. 3. 31
- **Performing business** : CCR Operation
- **Client** : SK E&C



Indonesia, Palabuhan Ratu CFPP

- **Capacity of plant** : 1,050MW (350MW × 3)
- **Period of business** : 2018. 12. 13 ~ 2019. 4. 30
- **Performing business** : O&M technical support
- **Client** : Korea South-East Power Co., Ltd(KOEN)



Power Plant Operation and Maintenance

KEPS specializes in power plant Operation and Maintenance (O&M) Services.

KEPS is an expert in CFB based power plants.

Power Plant Operation

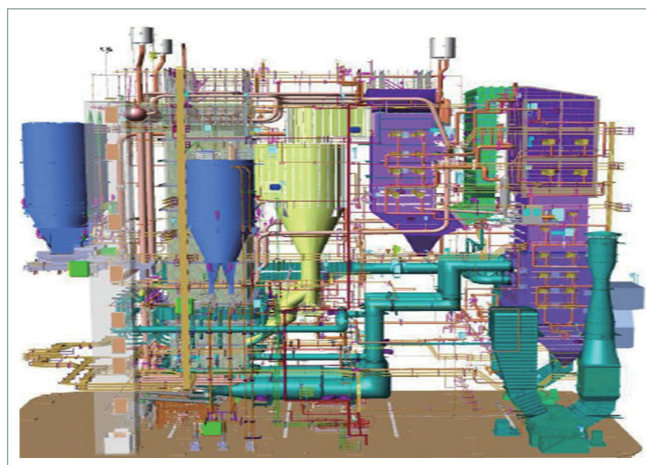
KEPS provided operation services at Yeosu Community Energy System a cogeneration plant that supplies steam to the tenants of the Industrial Park, as well as selling electricity. We also provide operation services at the Yeongheung thermal power plant, the Samcheonpo thermal power plant, Taean Thermal Power Plant, and the Ansan thermal power plant.

Fluidized bed power plant operation

KEPS has been operating a CFBC power plant since 2011. From this experience we are knowledgeable regarding a number of operating procedures and related techniques.

Circulating Fluidized Bed Combustion

By simultaneously injecting air and calcium carbonate, emissions of environmental pollutants including nitrogen oxides and sulfur oxides are significantly reduced during the combustion cycle.



Yeosu CFB Power Plant(350 T/h CFBC BOILER)



Tufanbeyli CFB Power Plant (450MW)



Daily Maintenance

To ensure that the equipment can operate reliably, we perform daily checks to make sure that there are no abnormalities. Any abnormalities are dealt with immediately.



Scheduled Maintenance

We implement disassembling, inspection, and testing of equipment and facilities under the "shut down" status in accordance with long term maintenance schedules and associated regulations. We provide high quality maintenance services by systematically engaging planning specialists, tools, and facilities. KEPS endeavors to optimize plant operation in order to satisfy their client's needs.

Power Plant O&M Experience

Yeosu Community Energy System

- **Capacity of plant**
 - Main Boiler : Steam 350T/h x 2
 - Assistance Boiler : Steam 160T/h x 1, 60T/h x 1
 - Steam Turbine : 24.2MW x 2
- **Period of business** : 2012. 8. 1 ~ 2022. 3. 31
- **Performing business** : Operation / Maintenance
- **Client** : Dayone Energy



Ansan Combined Cycle Power Plant

- **Capacity of plant** : 834.3MW
 - GT : 275.6MW x 2
 - ST : 283.1MW x 1
- **Period of business** : Start ~ 4 years
- **Performing business** : Operation / Maintenance
- **Client** : S-POWER



Bundang Combined Cycle Power Plant

- **Capacity of plant** : 560MW
 - GT : 75MW x 5
 - ST : 185MW x 1
- **Period of business** : 2013. 1. 1 ~ Present
- **Performing business** : Maintenance of GT, ST units (1 Block)
 - HRSG and Electric facility planned preventive maintenance
- **Client** : Korea South-East Power Co., LTD.(KOEN)



Yeongdong Thermal Power Plant

- **Capacity of plant** : 325MW (125MW x 1, 200MW x 1)
- **Period of business** : 2015. 1. 1 ~ Present
- **Performing business** : Operation
 - Fuel, ash handling facility, waste water treatment facility
- **Client** : Korea South-East Power Co., LTD.(KOEN)



Iraq Khabat Thermal Power Plant

- **Capacity of plant** : 300MW (150MW x 2)
- **Period of business** : 2020. 5. 27 ~ 2020. 12. 15
- **Performing business** : O&M technical support
- **Client** : Subnex Technology Korea



Samcheonpo Thermal Power Plant

- **Capacity of plant** :
 - #3, 4 : 1,120MW (560MW x 2)
 - #6 : 500MW x 1
- **Period of business** : 2013. 1. 1 ~ Present
- **Performing business** :
 - O&M of ash handling facility
 - Routine maintenance and planned preventive maintenance for boiler #3, 4, 6
- **Client** : Korea South-East Power Co., LTD.(KOEN)



Taeon Thermal Power Plant

- **Capacity of plant** :
 - Unit 9&10 : 2,100MW (1,050MW x 2)
 - IGCC : 380MW (GT : 230MW / ST : 150MW)
- **Period of business** :
 - Operation : 2015. 07. 23 ~ Present
 - Maintenance : 2016. 4. 1 ~ Present
- **Performing business** :
 - Operation : coal, ash handling facility, waste water treatment facility for #9, 10, IGCC
 - Routine and planned preventive Maintenance : boiler #9, 10
- **Client** : Korea Western Power Co., LTD.(KOWEPO)



Yeongheung Thermal Power Plant

- **Capacity of plant** : 870MW x 2 (#5,6)
- **Period of business** : 2013. 1. 1 ~ Present
- **Performing business** :
 - Operation of coal, ash handling and waste water treatment facility
- **Client** : Korea South-East Power Co., LTD.(KOEN)



Poseung Community Energy System (Biomass)

- **Capacity of plant** : 43.2MW
- **Period of business** : 2018. 3. 14 ~ 2021. 3. 13
- **Performing business** : Operation
 - fuel & ash handling facilities
- **Client** : Poseung Green Power



Philippines , Puting Bato Coal-fired Power Plant

- **Capacity of plant** : 270MW (135MW x 2, CFBC)
- **Period of business** : 2016. 12. 1~2017. 4. 23
- **Performing business** : O&M support
- **Client** : KEPCO KPS

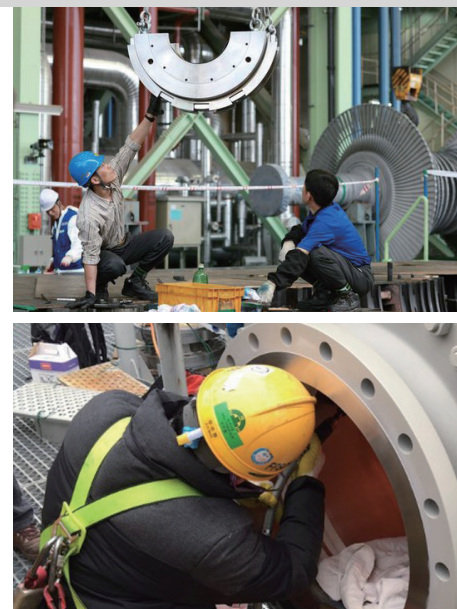


Planned Preventive Maintenance

Track Records of Planned Preventive Maintenance



KEPS is meeting customers' satisfaction through the enhancement of power plant performance maintenance and operation reliability by executing Planned preventive maintenance works from which power plant facilities and equipment in the power plant are thoroughly disassembled, inspected based on the accumulated maintenance technology, professional manpower and cutting-edge technology



Description		2014	2015	2016	2017	2018	2019	2020	2021	2022	Record	
Combined Cycle Power Plant	Gas turbine	A(M.I)	2	2		1	2	1	1	2	2	13
		B(H.G.P.I)	2		1		2	1				6
		C(C.I)	5	3	3	1		2	1		3	18
	Sub-Total		9	5	4	2	4	4	2	2	5	37
	Stim turbine	A(M.I)										
		B(H.G.P.I)							1			1
C(C.I)												
Sub-Total								1			1	
Thermal Power Plant	Boiler	A(M.I)				3	2	1		2		8
		B(H.G.P.I)	2	3	2	2	2	3	2	2	2	20
	Sub-Total		2	3	2	5	4	4	2	4	2	28
Total		11	8	6	7	8	8	5	6	7	66	

Using our extensive maintenance knowledge, we develop and deliver customized solutions that can optimize plant performance and minimize technical and commercial risk.

S. No.	Name Of Project	Unit	Capacity	Period Of Business	Grade
1	Bundang CAPP	#4 GT	78MW	2014.02.12 ~ 2014.02.16	C
2	Bundang CAPP	#2 GT	78MW	2014.02.18 ~ 2014.02.22	C
3	Bundang CAPP	#5 GT	78MW	2014.03.22 ~ 2014.03.26	C
4	Bundang CAPP	#1 GT	78MW	2014.03.31 ~ 2014.04.06	C
5	Yeosu TPP	#1 BLR	24MW	2014.04.25 ~ 2014.05.14	B
6	Bundang CAPP	#3 GT	78MW	2014.05.24 ~ 2014.06.25	C
7	Yeosu TPP	#2 BLR	24MW	2014.06.10 ~ 2014.07.03	B
8	Bundang CAPP	#4 GT	78MW	2014.06.28 ~ 2014.07.31	A
9	Bundang CAPP	#2 GT	78MW	2014.09.18 ~ 2014.10.07	B
10	Bundang CAPP	#5 GT	78MW	2014.10.18 ~ 2014.12.05	A
11	Bundang CAPP	#1 GT	78MW	2014.11.30 ~ 2014.12.18	B
12	Bundang CAPP	#4 GT	78MW	2015.04.01 ~ 2015.04.10	C
13	Bundang CAPP	#3 GT	78MW	2015.05.23 ~ 2015.06.25	A
14	Yeosu TPP	#2 BLR	24MW	2015.05.27 ~ 2015.06.18	B
15	Samcheonpo TPP	#6 BLR	500MW	2015.05.29 ~ 2015.07.11	B
16	Yeosu TPP	#1 BLR	24MW	2015.06.22 ~ 2015.07.14	B
17	Bundang CAPP	#1 GT	78MW	2015.09.18 ~ 2015.10.27	A
18	Bundang CAPP	#5 GT	78MW	2015.10.24 ~ 2015.10.30	C

19	Bundang CAPP	#2 GT	78MW	2015.11.18 ~ 2015.11.27	C
20	Ansan CAPP	#1 GT	275MW	2016.05.14 ~ 2016.05.26	C
21	Ansan CAPP	#2 GT	275MW	2016.05.15 ~ 2016.05.27	C
22	Yeosu TPP	#2 BLR	24MW	2016.06.01 ~ 2016.06.20	B
23	Yeosu TPP	#1 BLR	24MW	2016.08.20 ~ 2016.09.08	B
24	Bundang CAPP	#4 GT	78MW	2016.10.29 ~ 2016.11.15	B
25	Bundang CAPP	#3 GT	78MW	2016.11.17 ~ 2016.11.28	C
26	Samcheonpo TPP	#6 BLR	500MW	2017.04.25 ~ 2017.06.25	A
27	Bundang CAPP	#1 GT	78MW	2017.05.16 ~ 2017.05.24	C
28	Yeosu TPP	#1 BLR	24MW	2017.05.27 ~ 2017.06.15	B
29	Yeosu TPP	#2 BLR	24MW	2017.07.01 ~ 2017.07.20	B
30	Yeosu TPP	#1 BLR	24MW	2017.07.02 ~ 2017.07.26	B
31	Yeosu TPP	#2 BLR	24MW	2017.08.02 ~ 2017.09.03	B
32	Samcheonpo TPP	#3 BLR	560MW	2017.10.06 ~ 2017.12.04	A
33	Taeon TPP	#9 BLR	1,050MW	2017.10.13 ~ 2017.12.18	A
34	Bundang CAPP	#2 GT	78MW	2017.11.15 ~ 2017.12.01	A
35	Bundang CAPP	#3 GT	78MW	2018.04.11 ~ 2018.04.30	B
36	Ansan CAPP	#1 GT	275MW	2018.04.14 ~ 2018.05.31	A
37	Ansan CAPP	#2 GT	275MW	2018.04.14 ~ 2018.05.31	A
38	Yeosu TPP	#2 BLR	24MW	2018.07.02 ~ 2018.07.26	B
39	Yeosu TPP	#1 BLR	24MW	2018.08.02 ~ 2018.09.03	B
40	Samcheonpo TPP	#4 BLR	560MW	2018.09.25 ~ 2018.12.18	A
41	Taeon TPP	#10 BLR	1,050MW	2018.09.27 ~ 2018.12.14	A
42	Bundang CAPP	#1 GT	78MW	2018.10.29 ~ 2018.11.19	B
43	Samcheonpo TPP	#3 BLR	560MW	2019.01.03 ~ 2019.04.07	B
44	Samcheonpo TPP	#6 BLR	500MW	2019.04.15 ~ 2019.07.03	B
45	Bundang CAPP	#4 GT	78MW	2019.05.09 ~ 2019.05.28	C
46	Yeosu TPP	#1 BLR	24MW	2019.07.02 ~ 2019.08.15	B
47	Yeosu TPP	#2 BLR	24MW	2019.08.20 ~ 2019.10.01	B
48	Bundang CAPP	#2 GT	78MW	2019.09.16 ~ 2019.11.08	A
49	Bundang CAPP	#5 GT	78MW	2019.11.11 ~ 2019.12.04	B
50	Bundang CAPP	#3 GT	78MW	2019.11.29 ~ 2019.12.16	C
51	Taeon TPP	#9 BLR	1,050MW	2020.03.27 ~ 2020.06.09	B
52	Bundang CAPP	#1 GT	78MW	2020.03.30 ~ 2020.05.21	C
53	Bundang CAPP	#3 GT	78MW	2020.04.06 ~ 2020.05.29	A
54	Bundang CAPP	#1 ST	185MW	2020.04.15 ~ 2020.05.29	B
55	Samcheonpo TPP	#3 BLR	560MW	2020.05.01 ~ 2020.07.14	B
56	Bundang CAPP	#1 GT	78MW	2021.09.06 ~ 2021.11.10	A
57	Bundang CAPP	#4 GT	78MW	2021.05.17 ~ 2021.07.13	A
58	Yeosu TPP	#1 BLR	24MW	2021.04.28 ~ 2021.05.19	A
59	Yeosu TPP	#2 BLR	24MW	2021.07.10 ~ 2021.08.01	A
60	Samcheonpo TPP	#3 BLR	560MW	2021.09.01 ~ 2021.11.23	B
61	Taeon TPP	#10 BLR	1,050MW	2021.03.01 ~ 2021.04.29	B
62	Bundang CAPP	#2 GT	78MW	2022.04.19 ~ 2022.04.28	C
63	Bundang CAPP	#3 GT	78MW	2022.05.02 ~ 2022.05.11	C
64	Bundang CAPP	#5 GT	78MW	2022.03.07 ~ 2022.03.17	C
65	Samcheonpo TPP	#6 BLR	500MW	2022.05.02 ~ 2022.06.21	B
66	Taeon TPP	#9 BLR	1,050MW	2022.03.17 ~ 2022.07.10	B
67	Ansan CAPP	#1 GT	275MW	2022.09.17 ~ 2022.10.17	A
68	Ansan CAPP	#2 GT	275MW	2022.09.17 ~ 2022.10.17	A

Operation and Maintenance of Renewable energy facilities

Renewable energy facilities Experience

KEPS is one of the leading company in green energy. Since its establishment it has been operating and maintaining Wind Power, Solar Power, ESS and small Hydro Power facilities across Korea.

In addition to the ability of business development of new renewable energy sector, KEPS also provides world class O&M services for customer and its own business.

Wind Power

KEPS has accumulated knowledge of wind power technologies based on the operation and maintenance services it has provided to the Samcheok and Yeongheung, Yeosu regions.

KEPS is steadily pushing ahead wind power complex development and O&M services at home and abroad as well as providing high quality of O&M technology in wind power to meet customer's needs for creating stable profits.



Solar Power

KEPS have scientific and systematic performance procedures for all areas of management and maintenance of solar power plant. KEPS provides reliable technical services by complying with its own & owners standard technical documents for efficient diagnosis, O&M, and improvement of the facility.



ESS(Energy Storage System)

KEPS started the maintenance services for the first offshore facility of Yeongheung Wind ESS, linked to wind power development in Korea. KEPS is expanding its business area in the field of development, construction and O&M of ESS linked with Solar PV projects.

Small Hydro Power

KEPS operates small hydro power facilities such as a 3MW small hydro power facility located at the Samcheonpo thermal power plant that utilizes water discharges, and a 12.6MW small hydro power facility located at the Yeongheung thermal power plant.

Fuel Cell

KEPS operates Fuel Cell facility such as a 9.6MW Fuel Cell facility located at Icheon-si that uses hydrogen as an energy source to generate electricity through a fuel cell system.

Wind Power O&M

- **Capacity of plant :**
Yeongheung(46MW) - Unison 2MW×3, Samsung Heavy Industries 2.5MW×4, Doosan Heavy Industries 3MW×10
Yeongam(40MW) - Hyundai Heavy Industries 2MW×20
Yeosu (3.05MW) - Unison 2.3MW×1, 750kW×1
Samcheok Hajang II , III (7.65MW) - Unison 2.3MW×3, 750kW×1
Samcheok Hajang IV (2.3MW) - Unison 2.3MW×1
- **Period of business :**
Yeongam(2013. 9. 1 ~ 2016. 8. 31), Yeongheung(2013. 3. 1 ~ 2023. 5. 31)
Yeosu(2016. 4. 1 ~ 2018. 3. 31), Samcheok II , III (2016. 12. 5 ~ 2027. 12. 4)
Samcheok IV(2018.12.01 ~ 2028.11.30.)
- **Performing business :** Operation & Maintenance



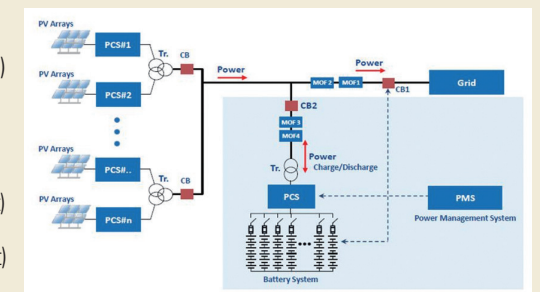
Solar Power O&M

- **Capacity of plant :** Solar power in highway (8MW)
Q one solar (8.8MW), Yeonan solar (3.1MW)
Best solar (10.9MW), Yeongheung solar I , II (2MW), III (6MW)
- **Period of business :**
Solar power in highway (2012. 12. 15 ~ 2032. 12. 14.)
Q one solar (2013. 7. 1 ~ 2028. 6. 30.), Yeonan solar (2013. 8. 1 ~ 2015. 8. 31)
Best solar (2013. 11. 15 ~ 2033. 11. 14.)
Yeongheung solar I , II (2014. 9. 1 ~ 2019. 3. 25), III (2016.6.19 ~ 2019. 3. 25)
- **Performing business :** Operation & Maintenance



ESS O&M

- **Capacity of plant :** Yeongheung Wind Link ESS (PCS 8MW/Battery 28MWh)
Yeongheung solar Link ESS(PCS 7MW/Battery 18MWh)
Best solar Link ESS (PCS 7.5MW/Battery 30MWh)
Samcheonpo solar Link ESS(PCS 12.5MW)
- **Period of business :**
Yeongheung Wind 1 step (2015. 9. 11 ~ Present), Yeongheung Wind 2 step (2017. 2. 10 ~ Present)
Yeongheung solar (2017. 9. 27 ~ 2019. 3. 25), Best solar (2018. 6. 1. ~ 2033. 11. 30)
Samcheonpo solar (2022. 11. 1 ~ Present), Yeongheung solar Link ESS (2022. 11. 1 ~ Present)
- **Performing business :** Operation & Maintenance



Small Hydro Power O&M

- **Capacity of plant :** Samcheonpo (3MW)
Yeongheung I , II , III (12.6MW)
- **Period of business :** Samcheonpo (2013. 1. 1 ~ Present)
Yeongheung I , II , III (2014. 9. 1 ~ Present)
- **Performing business :** Operation & Maintenance



Fuel Cell facility O&M

- **Capacity of plant :** 9.6MW
- **Period of business :** 2022. 12. 1 ~ 2025. 11. 30
- **Performing business :** Operation & Maintenance



Industrial equipment

Vibration diagnosis and calibration

KEPS carrying out a project to diagnose, analyze, and correct abnormalities in the vibration field of rotating facilities, which is a key element of industrial facilities.

Business area

Vibration diagnosis for large rotor

During operation or start-up operation, vibration diagnosis, analysis, evaluation, and calibration of rotors such as power generation facilities TBN-Gen and Gas-TBN are performed to present maintenance directions based on diagnosis results



Providing ultra-precise alignment technology through laser equipment

Casing Alignment / Deformation Diagnosis of Casing Flange / Soft Foot Check



Field Balancing of Large Rotary Body

Weight Balancing directly on site reduces vibration and compensates for vibration changes caused by residual Unbalance and Thermal Effect on the fast rotor.



Analysis of Resistance of Vertical and Horizontal Rotators

Run-up, Run-down measures the natural frequency at rest as well as the hazard rate diagnosis present on the rotor to diagnose and provide solutions to over-vibration in the transient.

Structural Model Analysis

Provide a technology that makes the driver stable by measuring the natural frequency of the structure or rotating body (handling it as a structure when stationary) operating in the resonance area using Multi-CH FFT Analyzer and impact Hammer, analyzing and diagnosing the structure considering the site conditions.

Predicted Maintenance Consulting

Provides technical advice, vibration analysis techniques, equipment usage, and on-site application for prediction maintenance, pre-administration cost, reliability maintenance, TPM, RCM system construction, and implements measurement set-up data base according to the characteristics of the device.



Patent holding status

Description	Total
10-1559142	Plant Field Rotation Facility Vibration Pattern Analysis Unit
10-1579250	Plant Field Rotation Facility Abnormal Vibration Alarm System
10-1559143	Pain Patterns of Plant Field Rotation Facility
Other than display devices, 15 patents registered, 9 utility models registered	



Technical qualification Status

Qualification Level*	Level 2	Level 3	Total
Rating Total Number of people in possession	3	5	8

* International standard ISO 18436-2: Internationally certified machinery facility condition monitoring and diagnostic technicians (Level 1-4)

Vibration diagnosis equipment

S. No.	Equipment name	Production company	Retained quantity	Purpose
1	ADRE 408	Bently Nevada(USA)	1	Vibration Analysis/Data Acquisition
2	Laser Alignment	Rotalign Ultra is(Germany)	2	Laser Alignment
3	Dynamix 2500	Rockwell Automation(USA)	1	Portable Vibration Precision Measurement
4	NSVA, Vibrometer	Signallink(KOREA)	1	Portable Vibration Precision Measurement
Etc	<ul style="list-style-type: none"> Dynamic Signal Analyzer 652U Digital Portable Vibration Shaker 	<ul style="list-style-type: none"> Impact Hammer TMD(Trend Monitoring Device(KEPS)) 	<ul style="list-style-type: none"> Microphone Alignment Simulator infrared thermal imaging camera 	

Experience

S. No.	Performance	Client	Performance period
1	Torsional vibration measurement - Ulijn Nuclear Power Unit 6 - Gs donghae Thermal Power Plant Unit 1 - Ulijn Nuclear Power Unit 3	BK Vision	2019.3.20 ~ 2019.3.22 2019.4.12 ~ 2019.4.17 2019.11.26 ~ 2019.11.28
2	Vibration Diagnosis Service for Hyundai Steel's Dangjin Plant	Hyundai Steel, GI Energy	2019.5.1 ~ 2020.5.31
3	Support for Vibration Technology for the Planning and Preventive Maintenance of the Ventilation System of Samcheonpo Thermal Power Plant Units 3 and 6	Korea South-East Power Co., LTD.(KOEN)	2019.4.2 ~ 2019.7.1
4	Technical support for the ventilation system of Samcheonpo Thermal Power Plant Units 3 and 4	Korea South-East Power Co., LTD.(KOEN)	2019.8.21 ~ 2019.8.23
5	Support for FDF-A Vibration Rise Technology for Samcheonpo Thermal Power Plant Unit 4	Korea South-East Power Co., LTD.(KOEN)	2019.10.31 ~ 2019.11.1
6	Support for the start-up vibration technology of 2GT of Bundang Combined Thermal Power Plant	Korea South-East Power Co., LTD.(KOEN)	2019.9.16 ~ 2019.11.8
7	Support for sudden vibration rise technology of IDF for Yeosu Thermal Power Plant #2 - Implementation of Weight Balancing	Korea South-East Power Co., LTD.(KOEN)	2019.12.2 ~ 2019.12.3
8	Technical support for Alignment of rotating facilities at LG Chem's Daesan plant	HPS	2019.3.7 ~ 2019.3.24
9	Philippine Masinloc ID, PA Fan Alignment Technical Support	HPS	2019.6.3 ~ 2019.6.25
10	Technical support for diagnosis of vibration of BLR FD Fan at Yongin Business Center	Korea District Heating Corporation	2020.1.20 ~ 2020.1.21
11	Technical support for internal energy DH COP-A vibration diagnosis	Byeolnae Energy Co., Ltd.	2020.2.18
12	Vibration Diagnosis Service for Hyundai Steel's Dangjin Plant	Hyundai Steel	2020.6 ~ 2024.5
13	Support for the start-up vibration technology of Yeosu Community Energy System	Dayone Energy	2023.5.4 ~ 2023.5.7

Total Service Provider

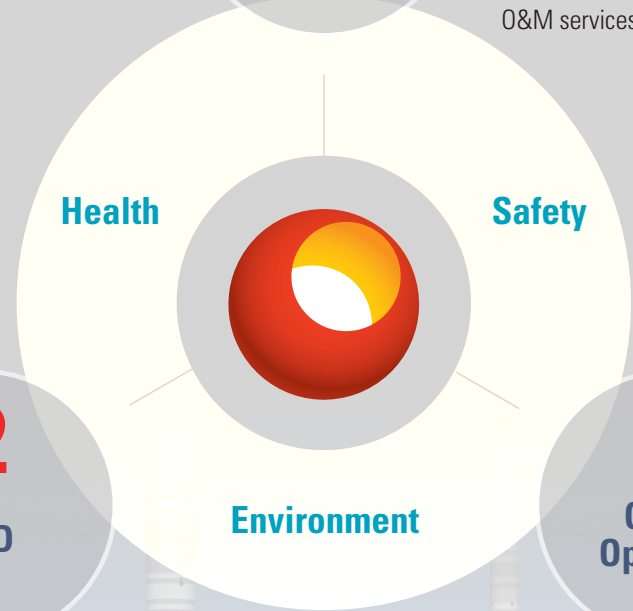
We promote 3 key Growth Strategies



Since its establishment, KEPS has focused on strengthening their ability to provide a total solution service in order to proactively respond to changes in market environment. KEPS has differentiated itself from their competition in the O&M market. Especially when it comes to providing overall technical advisory services which include commissioning and power plant O&M services.



KEPS is developing maintenance programs such as RBI(risk based inspection) and RCM(reliability centered maintenance) which can assist in discovering and preventing operational problems. KEPS continues to invest in technology of specialized IT system including CMMS.



KEPS has positioned itself as Korea's leading power plant operation and maintenance company. With this status, KEPS will look to expand its business to Asia and the rest of the world. KEPS will endeavor in the development of overseas business, especially with regards to ROT(Rehabilitate, Operate, Transfer) contracts and O&M turn-key packages.

KEPS is based on a business philosophy that encourages Talent Management, Creative Technology, and Challenging Spirits. Pursuing safe operation and optimum maintenance of power equipment, KEPS has differentiated itself to be a Total Service provider in the O&M market.

KEPS Total Service

Engineering

KEPS offers optimal engineering services such as design, and construction management based on experience from our past power plant construction projects.

Commissioning

We participate in commissioning services that occur towards the end phase of power plant construction, testing the performance of the equipment and the overall installation.

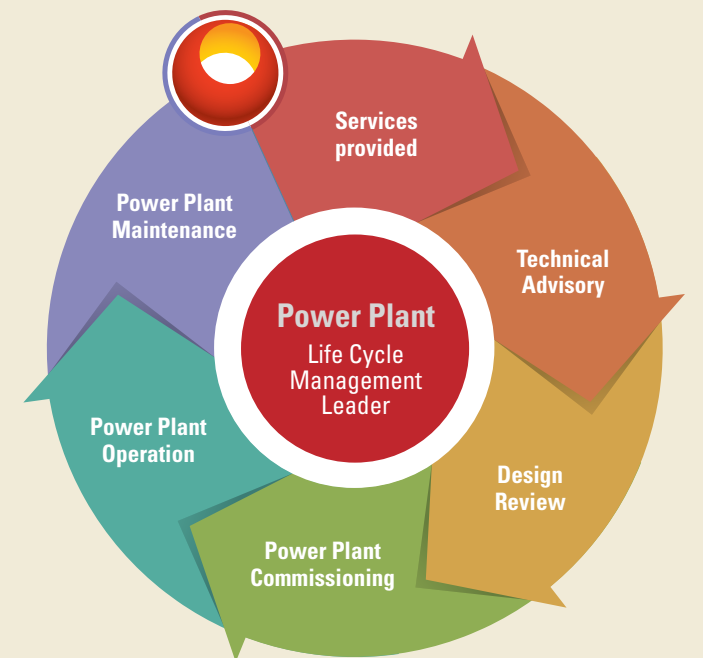
Operation & Management

When it comes to the specialty of operating power plants, the level of technical competency differentiates KEPS from its competition. This competence is due to the accumulated experience from operating various power plants, beginning with the operation of Yeosu Community Energy, to the commissioning & operation of CCPPs (combined cycle power plant), and the operation of auxiliary equipment in thermal power plants.

Maintenance

We offer world class O&M services. We are able to offer and perform various power plant equipment diagnostics and maintenance work, such as adjusting turbine vibration and alignment, precisely diagnosing gas turbines, working on boilers, improving electrical equipment longevity etc.

KEPS offers every possible service that has to do with the power plant field, and is going forth as a Leader in Power Plant Life Cycle Management.



Total Service Provider

We have established a firm cooperative relationship with experts in various fields in order to provide the comprehensive technical solution across the board.



Comprehensive Technical Capabilities

Design / Supervision

Provide optimal solution in the Combined Cycle Power and Renewable Energy fields in cooperation with KDHEC. Improve reliability in commissioning field through technical cooperation with engineering and O&M companies.

Technical Consultation for Power Plant Maintenance

Provide diverse knowledge database supported by top-notch technical consulting companies.

Power Plant Operation & Maintenance

Provides service personnel and expertise for overseas businesses based on the partnership with OES, HPS in Korea, Voltech, in India, EVN-NPS in Vietnam, a government-owned service company.

Power Plant Operation / Operational Procedure Management

Provide customized O&M services in cooperation with the KOEN.

Control

Provide technical professionals together with the control equipment manufacturer, EMERSON.

Power Equipment Production / Maintenance / Training

KEPS is in the process of Establishing a firm cooperative relationship with original equipment manufacturers(OEM), Doosan, GE & Siemens.

Health and Safety are the core ingredients of KEPS' philosophy.

Safety Management

Occupational Health and Safety Management System

KEPS, in advance, predict any safety risks that may present themselves at project sites through health and safety programs in which top management, employees, and other interested parties all attend. In order to protect the health and safety of every person involved, KEPS has obtained the KOSHA-MS and ISO 45001. We are proud to report that we have not had a single accident since these certifications.

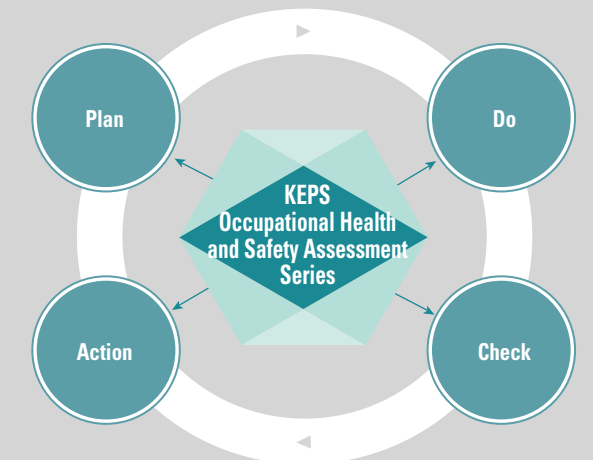


Responding to a Changing Business Environment

In order to keep up with increasing safety standards and business management globalization, KEPS is putting emphasis on values such as environment and safety in order to implement "risk free societies" and "economic growth". We enforce systematic safety management methods in order to create a self-governing safety system.

Establishing a Health and Safety Management System

Through KEPS' continuous investments towards health and safety precautions, we have built an occupational health and safety management system. We enhance the intrinsic values of our company and our customers, through the seamless and thorough implementation of such systems.



Continuous Improvement

Quality Management

KEPS practices an integrated management system by using quality management systems and environmental management systems in accordance with the requirements of the international organization of standardization.

ISO9001:2015 Quality Management

- Range : Power Plant O&M
- Subject : Head office & Branch offices

Environmental Management

KEPS meets all the specified requirements of ISO9001:2015 / ISO14001:2015. By establishing, maintaining, and developing an effective quality/environmental management system, KEPS will do everything to satisfy our clients.

ISO4001:2015 Environmental Management

- Range : Power Plant O&M
- Subject : Head office & Branch offices

Research and Development

KEPS will contribute stable operation to the national infrastructure to the nation's power industry by developing a program and system that will predict potential failures of essential equipment, thereby allowing preventive measures to be taken.

Operation of R&D center

Since 2014, when KEPS began operation of its newly founded R&D center, we have steadily acquired the skills that allow us to provide world class O&M services through the use of excellent staff, laboratories, and systems. We have secured a competitive future for KEPS in the power plant maintenance field. We have a vast number of researchers analyzing plant failures, and predictive diagnostics, as well as experimental facilities for mechanical engineering, metallurgical engineering, electric engineering, control engineering, and thermodynamics etc.







Specialized Research Areas

Development of a surveillance system that will be able to analyze a thermal power plant's performance efficiency.

Vibration Diagnosis

KEPS develops innovative technology in power plant inspection and diagnosis. KEPS owns the latest analytical equipment and uses it to inspect vibration issues of core rotating equipment of power plants.

Maintenance Technology Research and Development

KEPS is focused on creating practical patents and draft development by deriving and analyzing data to improve problems within the facility.

Technology Development

With a ceaseless effort for development of special equipment and instruments since 2014, KEPS has successfully obtained 20 patents and maintenance techniques.

Global Operation

Since its founding in 2011, KEPS has accumulated the nation's best development facilities using O&M technology as its base. KEPS is expanding to the rest of Asia, and the world.

History of Global Projects



AFRICA

Algeria, Biskra SCPP
Commissioning
2017. 11 ~ 2018. 6 / 450MW

MIDDLE EAST

Turkey, Tufanbeyli TPP
CCR Operation
2014. 12 ~ 2016. 12 / 450MW

Saudi Arabia, Jeddah TPP
Project Consulting
2013. 1 ~ 2014. 1 / 2,640MW

Saudi Arabia, Shuqaiq TPP
CCR Operation
2016. 7 ~ 2018. 4 / 2,640MW

Qatar, Ras-Laffan IWPP
Commissioning
2016. 11 ~ 2016. 12 / 2,730MW

UAE, Mirfa IWPP
Commissioning
2016. 7 ~ 2017. 11 / 1,620MW

UAE, SARB Refinery Project
Commissioning
2017.10 ~ 2018. 10

Iraq, Khabat TPP
O&M technical support
2020. 5 ~ 2020. 12 / 300MW

Iraq, Khabat TPP
Commissioning & OJT Services
2018. 6 ~ 2020. 2 / 300MW

Indonesia, Palabuhan Ratu CFPP
O&M technical support
2018. 12 ~ 2019. 4 / 1,050MW

Indonesia, PT. MIWON CP
Facility diagnostic service
2018. 8 ~ 2018. 9 / 150t/h CFBC, 23MW

Bangladesh, Siddhirganj CCPP
Inspection & OJT services
2017. 11 ~ 2018. 5 / 335MW

Malaysia, Prai CCPP
Commissioning
2015.10 ~ 2015. 11 / 1,071MW

AMERICA

Colombia, TT2 TPP
Commissioning, Boiler Tuning
2015. 8 ~ 2016. 7 / 161.6MW

Chile, PIEM Project
CCR Operation
2018. 10 ~ 2019. 3 / 375MW

SOUTH-EAST ASIA
Philippines, Puting Bato TPP
Operation Support
2016. 12 ~ 2017. 4 / 270MW

Vietnam, Mong Duong II TPP
Commissioning
2014. 11 ~ 2015. 3 / 1,240MW

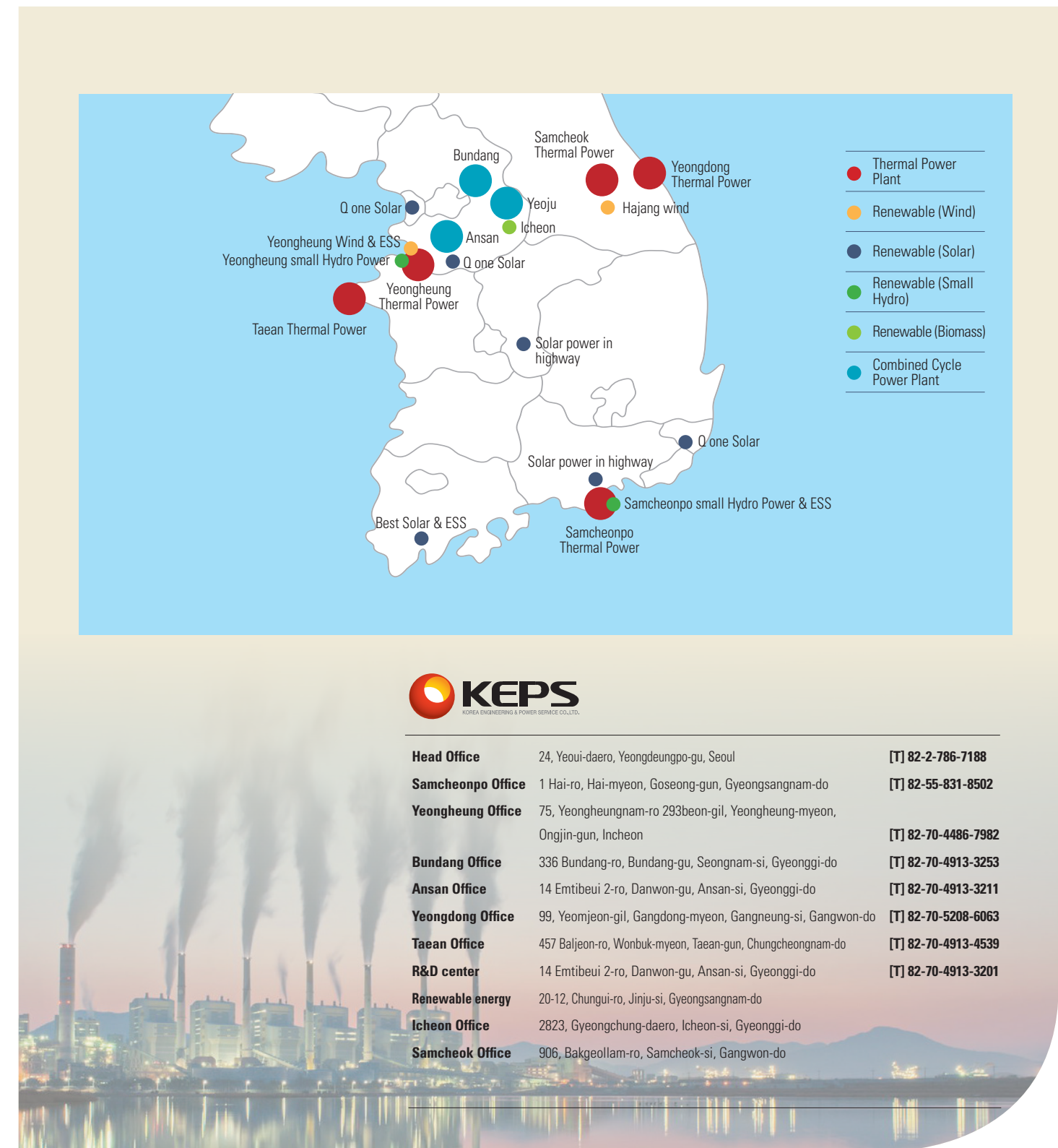
Indonesia, Kalsel-1 TPP
CCR Operation
2018. 6 ~ 2019. 5 / 200MW

Licenses and Certificates

Branch Offices

Since KEPS had obtained its first license for "Electrical Works" in 2012, we had completed the registration of licenses for "Engineering & Design", "Supervisory & Auditing Services", "Mechanical facility works", "Environmental specialist work" and "Overseas Construction".

KEPS was awarded "Safety and health management system" certificate by the Korean Occupational Safety and Health Agency in 2014. In addition, KEPS obtained "Quality and Environmental Management System" certificate from Korean Standards Association and also acquired "Occupational capacity development training facility" certificate from Ministry of Employment and Labor in Korea, respectively.



Head Office	24, Yeoui-daero, Yeongdeungpo-gu, Seoul	[T] 82-2-786-7188
Samcheonpo Office	1 Hai-ro, Hai-myeon, Goseong-gun, Gyeongsangnam-do	[T] 82-55-831-8502
Yeongheung Office	75, Yeongheungnam-ro 293beon-gil, Yeongheung-myeon, Ongjin-gun, Incheon	[T] 82-70-4486-7982
Bundang Office	336 Bundang-ro, Bundang-gu, Seongnam-si, Gyeonggi-do	[T] 82-70-4913-3253
Ansan Office	14 Emtibeui 2-ro, Danwon-gu, Ansan-si, Gyeonggi-do	[T] 82-70-4913-3211
Yeongdong Office	99, Yeomjeon-gil, Gangdong-myeon, Gangneung-si, Gangwon-do	[T] 82-70-5208-6063
Taeon Office	457 Baljeon-ro, Wonbuk-myeon, Taeon-gun, Chungcheongnam-do	[T] 82-70-4913-4539
R&D center	14 Emtibeui 2-ro, Danwon-gu, Ansan-si, Gyeonggi-do	[T] 82-70-4913-3201
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Samcheok Office	906, Bakgeollam-ro, Samcheok-si, Gangwon-do	



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