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KOREA EXHIBITOR LIST

2025 Türkiye Delegation

Sponsored By : Korea South-East Power Co., Ltd. (KOEN)
Organized By : Korea Electric Engineers Association (KEEA)
Managed By : LEEBRIDGE

Apr 21(Mon), 2025 ~ Apr 22(Tue), 2025/ Istanbul, Türkiye

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Sponsored By Korea South-East Power Co., Ltd. (KOEN)

Gyeongseong Electric
1915. 9.

Chosun Electric
1943. 8.

Namseon Electric
1946. 5.

Korea Electric Power Corporation
1961. 7.

Integrated

Korea Electric Power Corporation
1982. 1.

Reorganization

Korea South-East Power Co., Ltd.
2001. 4.

* Restructuring
* Separation of 6 power generation companies

KOEN

2001. 4.
Market-type
Public Enterprise

Business Area

1. Power Resources Development
2. Power generation
3. R&D, Construction Management
4. Overseas Project 1~3
5. Investment in Project 1~4
6. Incidental Project 1~5

Employees 2,705

Capacity 10,038.2MW (Occupies 7.3% of Domestic Facility)

Generatio 44,873GWh (Occupies 7.7% of Domestic Power Gene.)

Asset 15 Trillion Won

Sales 9.1 Trillion Won

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General Energy Facilities

Capacity 10,038.2MW

Yeongheung

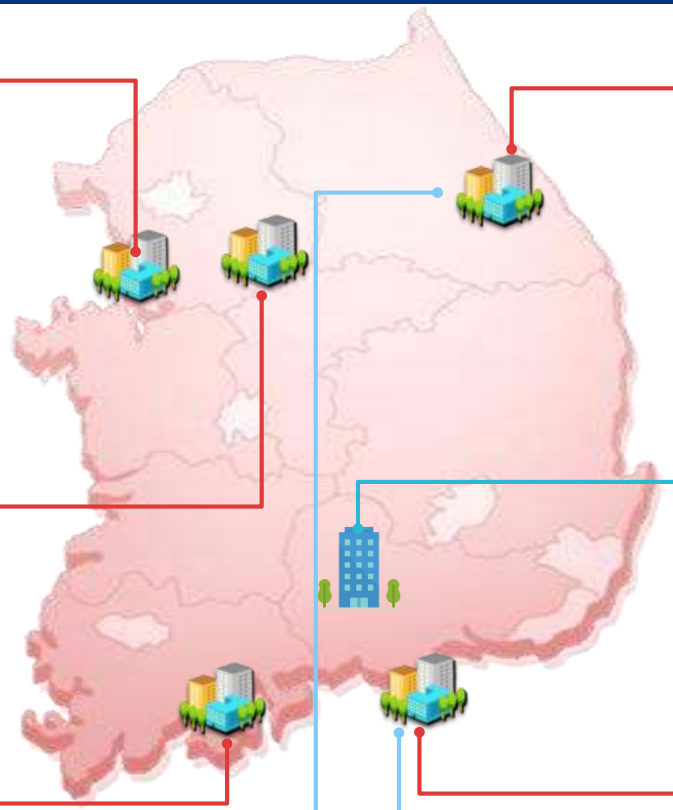
Capacity	Resource
5,080MW	Coal-Fired

Bundang

Capacity	Resource
922MW	LNG

Yeosu

Capacity	Resource
669MW	Coal-Fired



Gangneung

Capacity	Resource
2,080MW	Coal-Fired

Goseong

Capacity	Resource
2,080MW	Coal-Fired

Yeongdong Eco

Capacity	Resource
325MW	Wood Pallet

Head Office

Jinju Innovation City

'14. 3. 16.

Samcheonpo

Capacity	Resource
2,120MW	Coal-Fired

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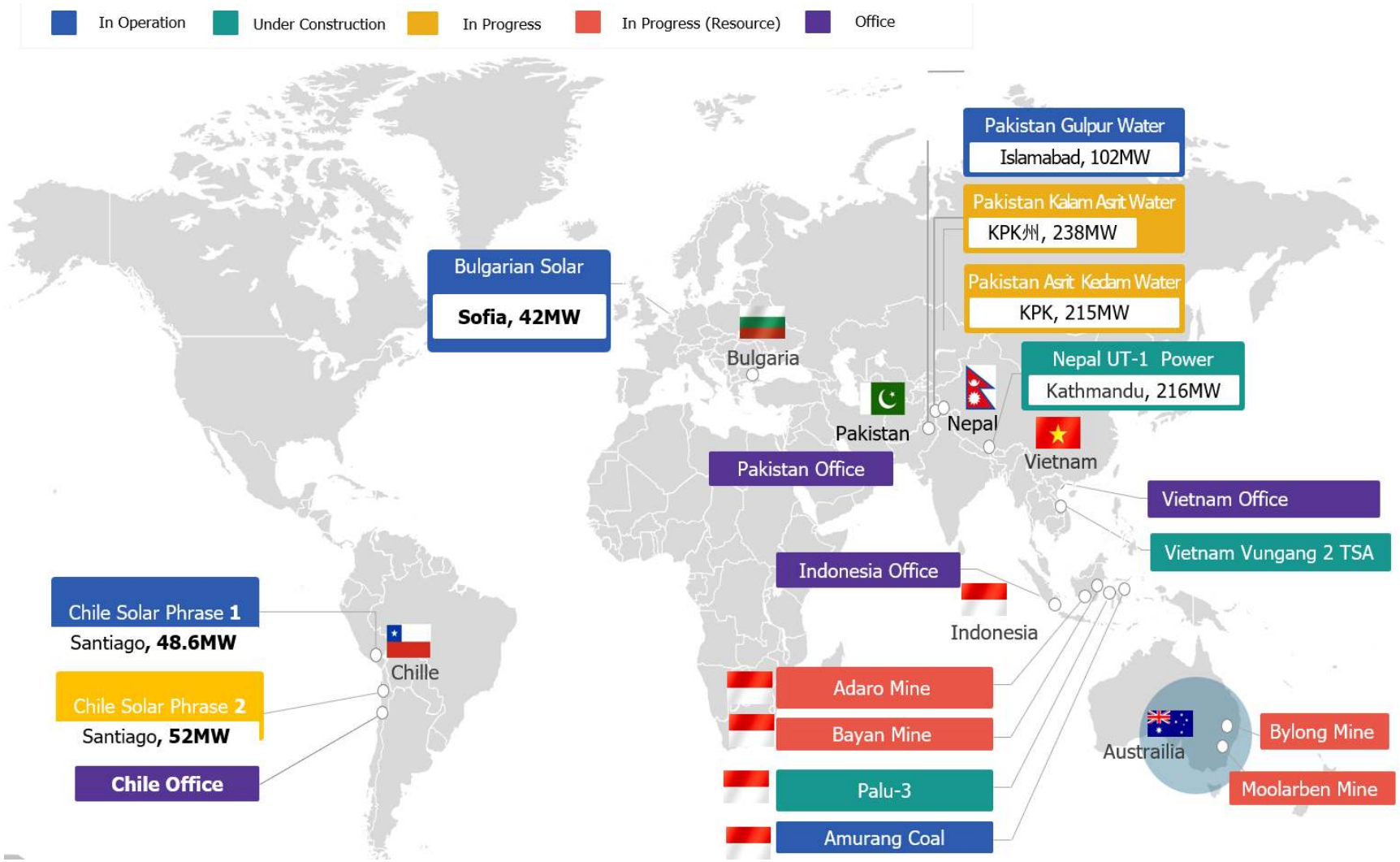
Strategy Overseas Business



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R&D Support System

Small and medium-sized enterprise technology development project

- Business overview
  - Collaborate with SMEs to Develop Essential Technologies, New Products, and Localization for Power Plants: Securing Core Technologies and Strengthening SME Technological Competitiveness

- Support details

Division	support	Share Ratio		
		Total development cost (₩)	KOEN	SME
Field technology research and development	KOEN	Less than 300 million	75%	25%
		300~700 million	70%	30%
Collaborative research and development with five power generation companies	5 power generation companies	More than 700 million	65%	35%
Joint investment technology development	KOEN +Ministry of SMEs and Startups	Ministry of SMEs and Startups	KOEN	SME
		39.4%	39.4%	21.2%

- Support scale - Approximately 30 projects per year

Switzerland International Invention Exhibition 4-crown winner ('23.4)

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Organized By Korea Electric Engineers Association (KEEA)

INTRODUCTION OF THE ASSOCIATION

General status

- Name : Korea Electric Engineers Association
- Address : 2040, Nambusunhwan-ro, Gwanak-gu, Seoul 08805, Rep. Of Korea
- Founded date : Dec. 14, 1963

Purpose

The purpose of the association is to promote the R&D of electric technology, improve the quality of electric facilities, as well as keeping the training, management and welfare programming of electric engineers in order to contribute to the industrial development of Korea

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Main Projects Government entrusted work

한국전기기술인협회
Korea Electric Engineers Association

Legal basis	Entrusted work
Electricity enterprises act	Acceptance of appointment and discharge report certificate of electric safety manager
	Education of safety management for electric safety manager
	Acceptance of registration of change report on electric safety management agency
Electric technology management act	Management of career of electric engineers/ Issue of career handbook and other certificates
	Acceptance of supervisor allocation report/Issue of allocation confirmation
	Construction supervision report acceptance and issue of a certificate
	Education of electric safety managers and supervisors
	Actual result management of design and supervision companies
	Registration of design supervision business /Record and management of changes in registration
	Mutual-aid project for financing and liability guarantee for damage compensation

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Organized By

Korea Electric Engineers Association (KEEA)

Main Projects

Government entrusted work

한국전기기술인협회
Korea Electric Engineers Association

- **Other services**

- Investigation, study, development, publication promotion and advertising of electric technologies
- Diagnosis of electric facilities, technical support investigation and analysis of accidents
- Promotion of welfare and protection of rights for electric engineers
- Establishment and operation of annex Electric Power Technology Research Institute(EPTRI)
- Operation of electric technology support center
- Operation of electric engineers employment support center
- Publishing of periodicals and online news service related to electrical industry

- **Organization chart**

- Organization : 2 division 4 department 2 institute 1 room, 21 provincial branches
- The number of persons : 150 presons

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Summary of Exhibitor

No.	Company	Product	Homepage
1	IAM Co., Ltd.	DTS (Optical fiber Temperature Measurement System - OTMS™), Outdoor fire hydrant automatic display device	www.visit-iam.com
2	KOREA ENGINEERING CO.,LTD	Igniter Exciter, Igniter Cable Lead & Rod, Igniter Spark Plug	www.igkec.com
3	MUHA INC.	DCS I/o Module & Relay Diagnosis Equipment, etc.	www.muha.kr
4	EPiT	Bag Filter (EPiT pleated bag), Electrostatic Precipitator	www.epit.co.kr
5	G-TOPS Co., Ltd	Valves, pumps, actuators, transformers, dust collectors, etc.	www.global-tops.com
6	Jac coupling	coupling	www.jacoup.co.kr
7	ECOPOWERTEC CO., LTD	Fire spread prevention insulation materials, flame spread prevention products, etc.	www.ecopowertec.kr
8	HANDOL PUMPS LIMITED	Industrial centrifugal pump	www.handolpumps.com
9	Jeongwoo Industrial Machine, Co., Ltd.	Industrial Machines (Filter Equipment, Turbine/Generator System), Piping Support	www.jimc.co.kr
10	YPP	Electrical equipment control and monitoring system	www.ypp.co.kr
11	Dongsung ES	Motor power load optimal control device, DST venturi steam trap	www.gesds.com

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1. IAM Co., Ltd. ← Click to link Homepage

- IAM Co., Ltd. is specialized in the new technology to measure temperature using optical fiber cable and using mobile technology for the facility management.

- OTMS (Optical fiber Temperature Measurement System) is a proprietary technology developed based on the same concept as DTS (Distributed Temperature Sensing).

- By detecting scattered light within the optical fiber, OTMS enables simultaneous measurement of thousands of temperature points, allowing precise monitoring with just a single optical fiber strand.

- Product (Service) : Optical fiber Temperature Measurement System

< OTMS measurement device developed with core technologies>

< Application example of optical fiber temperature measurement system>

< Front view of OTMS>

<Front/rear panel of OTMS >

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2. Korea Engineering Co., Ltd.

- Korea Engineering designs, engineers, installs, and services best-in-class ignition systems for industrial boilers and gas turbines, supplying to major thermal plants with state-of-the-art products

- The company has expanded its product line to include igniter exciters, igniter spark plugs, and igniter leads, providing high-performance and cost-effective solutions for both domestic and international customers

- Product (Service) :

  - Igniter Exciter
  - Igniter Cable Lead
  - Igniter Spark Plug
  - Igniter Exciter Controller

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3. MUHA INC.

- MUHA INC is based on the hardware, firmware, and application software development technology of the control system for power plants and plant industries, we want to become a leader in the era of the 4th industrial revolution by converging IoT and AI technologies.

DCS I/o Module & Relay Diagnosis Equipment

Thermal Stress Monitoring System

- Product (Service) :
  - DCS I/o Module & Relay Diagnosis Equipment
  - Thermal Stress Monitoring System
  - Position Control System / PCS
  - AI Air Quality Improvement System
  - Precision Diagnostics Service

    (DCS Power Supply & Module / Relay / TC Sensor)

Position Control System

AI Air Quality Improvement System

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4. EPiT Co.,Ltd.

- EPiT Co.,Ltd. is specialized in atmospheric environment fields and we carries out everything from design to construction of electrostatic precipitator and Bag Filter.

- In particular, EPiT Co.,Ltd. developed its own filter bag, which is an internal core part of the filtration dust collector as well as produced and supplied ‘EPiT Pleated filter bag’, which can be expanded 2 to 3 times compared to existing filter(Tubular) bag.

- Product (Service) :
  - Electrostatic Precipitator
  - Bag Filter & EPiT Pleated Filter bag
  - Technical Services

< EPiT pleated bag >

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5. G-TOPS

- G-TOPS is a special purpose corporation established jointly by KOEN(korea south-east power co.) a public corporation, and 14 small and medium-sized enterprises associations for shared growth with domestic SMEs and the development of the plant industry.

- G-TOPS is a "Plant Equipment Comprehensive Trading Company" that exports excellent products of small and medium-sized Korean companies to overseas markets

- Product (Service) :

- VALVE & ACTUATOR
- FITTING
- SYSTEM & FACILITIES
- PUMP
- AUX. EQUIPMENTS
- TURBINE COMPONENTS
- TRANSFOMER/ TRANSFOMER RECTIFIER
- ETC

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5. Jac coupling

- JAC Coupling has supplied and made constant effort to develop high-quality power transmission coupling product to its customers.

- Jac Coupling has been producing various types of high-quality couplings for over 40 years based on its extensive experience.

- Product (Service) :
  - Gear coupling
  - Disk coupling
  - Grid coupling
  - Fluid coupling
  - Rubber coupling
  - Various types of couplings

Gear coupling

Grid coupling

Disc coupling

Wind turbine coupling

Composite coupling

Wire drum coupling

Tire & Rubber coupling

Jaw coupling

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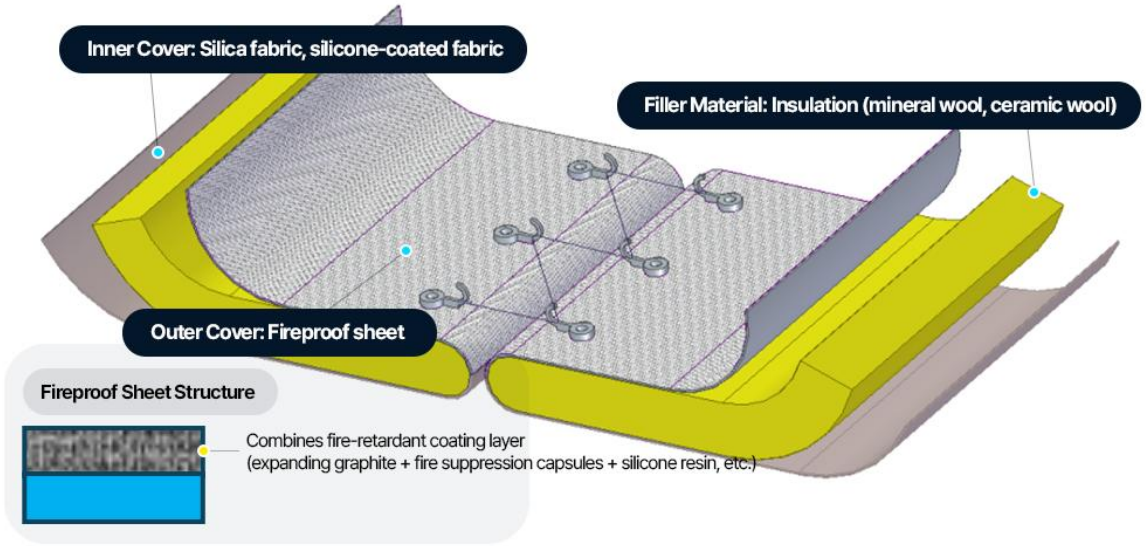
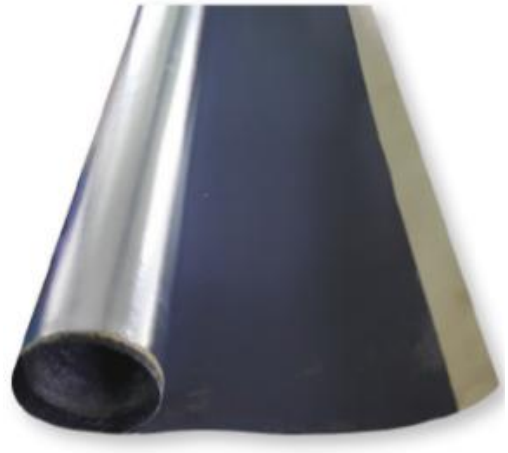
7. ECOPOWERTEC

- ECOPOWERTEC is manufacturing company which especially specialized in 4R (Reusable /Resilient /Removable /Resourceful) Insulation Cover . This is an eco-friendly thermal insulation system installed to insulate high temperature equipment in plants.



- Excellent insulation saves energy, and waste is reduced through reuse, enabling resource conservation and economical energy use.It also protects workers from burns, ensuring worker safety.



- Product (Service) :

Insulation materials

- Detachable ThermalInsulation
- Fire Spread PreventionInsulation
- Metal Casing Insulation

Valve

- Swing blind valve
- Scroll blind valve
- Tilting Gate valve

Fire protection products

- Flame Retardant Fabric
- Fire-Resistant Paint
- Fire-Resistant Putty, Fire-Resistant Silicone

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8. HANDOL PUMPS LIMITED

- HANDOL PUMPS LIMITED is a leading manufacturer specializing in API 610 centrifugal pumps.
- Since its establishment in 1993, the company has developed and produced centrifugal pumps for power generation, oil & gas, petrochemical, and other industries.
- With exports to over 30 countries, HANDOL PUMPS is globally recognized for its technical excellence.

Overhung

Between Bearing

Vertically Suspended

- Product (Service) :
  - Axially Split Pumps
  - Double-Casing Pumps
  - Ring section Pumps
  - Two-stage Pumps
  - Single-stage Pumps
  - Magnetic Drive Pumps
  - Vertical Pumps
  - Axial Flow Pumps

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9. Jeongwoo Industrial Machine, Co., Ltd.

- Jeongwoo Industrial Machine Co., Ltd. specializes in energy plant equipment and supplies high-quality products to the power generation, gas, oil refinery, and energy industries both domestically and internationally.

- Through continuous technological development and patented innovations, the company strives to deliver superior solutions to its customers..

Ball Strainer

Ball Collector

Debris Filter

Seal Oil Unit

- Product (Service) :

Industrial Machines

Filter Equipment
- Condenser Tube Cleaning System
- Debris Filter
- Strainer

Turbine/Generator System
- Seal Oil Unit
- Stator Cooling Water Unit
- Lube Oil Unit
- Gland Steam Condenser

Piping Support

Piping Support Equipment
- Spring Hangers & Supports
- Dynamically Loaded Elements
- Structural Attachment Elements
- Connecting Elements
- Pipe Attachment Elements
- Miscellaneous Elements

Cryogenic Piping Supports
- Shoe Type
- Hold Down Type
- Anchor Type

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10. YPP

- YPP is a provider of power and energy solutions, specializing in power protection systems, facility diagnostics, and plant control systems.

- The company supplies electrical protection and control systems, substation automation, temperature monitoring, and offers maintenance and consulting services.

- YPP also manufactures digital protection relays, industrial communication devices, UPS, and control panels while offering specialized training in power system protection and control.

- Product (Service) :

- Power facility protection monitoring and control system
- Facility diagnosis system
- Digital protection relay

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11. Dongsung ES

- Dongsung ES is an engineering company specializing in energy efficiency that dramatically saves energy by optimally using heat and electric energy, which are the main sources of energy consumption.

- The representative products are the DST Venturi steam trap, which saves steam, which is heat energy, and Optimum Power Control Device for Motor (OPC-M), which saves electricity.

- Product (Service) :
  - Optimum Power Control Device for Motor (OPC-M)
  - DST Venturi steam trap

<OPC-M>

<DST Venturi steam trap>

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