INTL ENDORSED EXHIBITION

MOTIE
MINISTRY OF TRADE, INDUSTRY & ENERGY

Power Generation Korea

2015 10. 20(Tue) ▶ 22(Thu) COEX Hall C

www.powergenkorea.com

| Host | MOTIE MINISTRY OF TRADE, INDUSTRY & ENERGY

| Organizers | KOEMA KOSEP KHNP KOMIPO KWP KOSPO EWP

Outline of Korean Electric Power Industry

The Capacity of Korean Electric Power Generation was 93,216 MW and generated about 477,692 GWh of net electricity in 2014.

Korea's power generation has increased by an average of 5% annually over the past decade, and expects demand to grow 3.7% annually through 2017, primarily driven by industrial use. Fossil fuels accounted for 70% of total 2014 generation, while 29% came from nucl ear power, and nearly 2% came from renewable sources, including hydro electricity. Nuclear power is set to expand over the next decade, along with significant investment in offshore wind farms and other renewable sources such as solar and tidal power.

The state-owned Korea Electric Power Corporation (KEPCO) controls all aspects of electricity generation, retail, transmission, and distribution. In 2001, KEPCO's generation assets were spun off into six separate subsidiary power generation companies.

Korea intends to address its issues of chronic power shortages and low reserve margins primarily by installing power plants over the next several years. The government's proposed long-term electricity plan (2013-27) intends to expand capacity to raise reserve margins to 22% by 2027.

According to the proposed new electricity plan, the Korean plans to raise coal capacity to 44.9 GW by 2027. By the end of 2017, the government plans to install 15 more coal-fired facilities with 12.5 GW of capacity.

Korea has the fifth-highest nuclear generation capacity in the world. Its first nuclear plant was completed in 1978 and over the following three decades, Korea directed significant resources towards developing its nuclear power industry. Nuclear generation utilization rates in South Korea are typically over 95%, and the fuel serves as a base load source for power generation. Korea Hydro &Nuclear Power Co. currently operates South Korea's four nuclear power stations containing 23 individual reactors with a power generation capacity of 20.7 GW. Eleven additional reactors are scheduled for completion by 2024.

The government's goal in its Fifth Basic Plan for Long-Term Electricity Supply and Demand (2011-24) finalized at the end of 2010, is to generate nearly half of the power supply from nuclear sources by 2024. Korea is emerging as an international leader in nuclea technology and is pursuing opportunities to export its technologies. In December 2009, KEPCO won a $20 billion contract to build four 1.4 GW nuclear reactors in the United Arab Emirates, the first of which is expected to become operational by 2017.

Story in Media

As a repeat visitor, I am delighted to see SIEF 2014 because I met more reliable Korean enterprises during the Show than my First visiting.

Mr. Rodolfo C. Iporong Jr.
CEO of CENTRADE Integrateds Slaes Corporation - Philippines

It was glad to talk with one of the Korean major companies face to face. It was good chance to hear about the product directly from the company.

Ms. Khin Moh Moh Win & Mr. Yan Naing Tun
Sales Managers of Smart Electrical Trading - Myanmar

Fortunately, I found several manufacturers who can meet my needs. I know that it is very hard to find the successful exhibitions like SIEF even though I visited many show all over the world.

Mr. Nabil K. Sabeeh
CEO of Errebiemme Jordan Co., Ltd. - Jordan

[Source : electrictimes]

Korea Hydro & Nuclear Power

Korea Hydro & Nuclear Power(KHNP) is the largest generation company In Korea. With 23 nuclear power units, 28 hydro power units, 16 pumped-storage power units currently in operation, KHNP is responsible for approximately one-third of the nation's electricity generation. By the beginning of the 21st century. Korea developed the APR1400 (Advanced Power Reactor 1400) through its accumulated experience and technology from the consistent construction and operation of NPPs and successfully won the bid for the UAE Nuclear Power- Plant Construction Project..

Korea South-East Power

Strengthening Global Competitiveness with World-class Technology and Facilities plant (TP). Yeongheung TP. Yeosu TP. Bundang combined Cycle (CCP) etc. Its total generation capacity is 8,228WW, which occupies 10% of the total power generation capacity in Korea and stably supplies 12.3% of total power generation in the land. KOSEP has raised up the technical standard of the power industry to the global standard by running specialist groups who have strength in 10 main technologies, especially in order to secure three core technologies, such as new technology of combustion, technology for reducing emissions of carbon dioxide technology and prediction and diagnosis technology.

Korea Midland Power

As a public company assuming responsibility for the development of electric power resources and a stable power supply as its main missions, KOMIPO is operating about 9.5% of the nation's total generation facility capacity. KOMIPO has five thermal power plants (Seoul, Incheon, Boryeong, Seocheon and Jeju) The domestic project that KOMIPO is presently focusing its capabilities on is the construction of Seoul CCPP, the first thermal power plant in Korea Seoul CCPP will be the world's first large-capacity underground power plant in a city center.

Korea Western Power

The company operates four power complexes including Taean, Pyeongtaek, Seoincheon and Gunsan, managing 8,909MW in total capacity, which accounts for 10.0% of the nation's total capacity. Korea Western Power has become one of the Korea's top companies with KRW 5.8 trillion total assets and KRW 5.9 trillion of revenue. Particular objectives include obtaining 22,000 MW of capacity, cutting CO2 by 16% and achieving 11 billion dollar revenue with ROIC of 8% by procuring top-level technologies.

Korea Southern Power

KOSPO actively promotes the expansion of cost-efficient renewable energy driven by home-developed wind power generators, growth of low-carbon clean energy, such as natural gas, development of CCR(Carbon Capture & Reuse) and CO2 reuse technologies to prevent GHG emissions from the source, so as to pro actively support the government's GHG reduction policy and secure a leading role in the coping with the climates change.As a public organization, KOSPO strives to provide stable electricity while continuing to enhance the happiness of the community, at the same time cultivating the company's integrity as well as foresting Eco-friendly environment.

Korea East-West Power

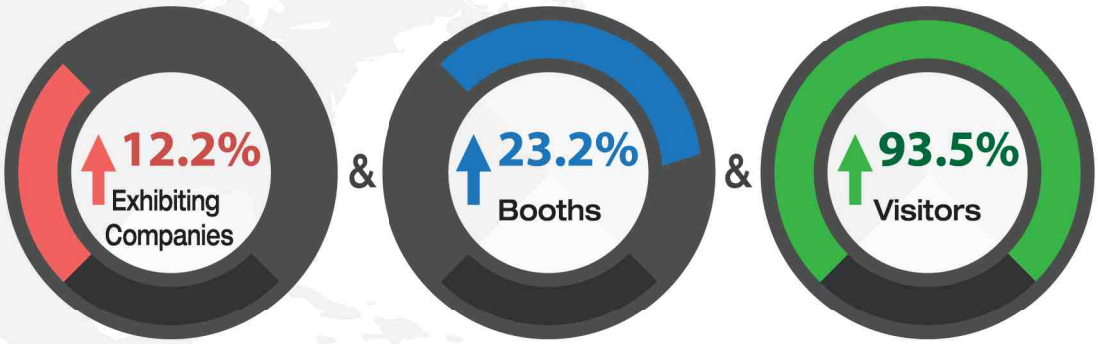
EWP manages 9.133.6MW in installed capacity which accounts for 10.3% of total domestic capacity in Korea and operates five divisions including the Dangjin Power Complex, the company's core plant. EWP has experience and technical skills in building coal-fired, CFBC, gas combined cycle and pumped storage plants. The company is constructing a coal-fired unit with Korea's first and largest capacity of 1,000 MW, taking the technology in the field to a higher level. EWP had recently completed the construction of Donghae Lignocellulosic Biomass Plant, Korea's largest biomass plant with 30MW capacity. In particular, EWP has successfully fluidized the boiler used in bituminous coal circulating fluidized bed plant by its own technology and is currently operating in a stable slate.

Why Power Generation Korea?

Create new business synergy effect through convergence with other industry

Expected Synergy Effect by 4 Exhibitions in 1 place

Power Generation Korea
SIEF
Korea Smart Grid Expo
Inter Battery



• Scale

Year	2015(estimate)	2014
Total Space (SQM)	10,348	10,611
Exhibiting Companies	210	185
Visitors	15,000 - Domestic : 13,500 Overseas : 1,500	12,830 (15 Countries)

• Conference & Event

· Business improvement success stories presention of Power Industry
· Korea IPP Project Plan Presentation
· Power Companies Business Meeting
· HVDC International Conference
· International Technology Seminar
· ESS Seminar
· Latin America / Middle East Power Industry Conference

• Exhibitor Profile

- Air handling equipment
- bearings, gears, clutches and couplings
- boiler / heat exchangers / combustion systems
- Cable and wire
- Cooling Equipment and Services
- Diesel and gas-fired engines, equipment and services.
- Electrical equipment and switchgear
- Energy Information and Technology
- Emission control
- Engineering Design and Development
- Filters and Filtration Equipment
- Gas turbine equipment and services
- Generators and Accessories
- Inspection and test equipment
- Instrumentation and diagnostics and monitoring
- Lubricants, chemicals and specialty gases
- Machining Equipment and Services
- Material Handling Equipment
- Metal and Alloys
- Nuclear Equipment and Services
- Plant Safety Products
- Pumps and Compressors
- Renewable Energy Equipment and Services
- Software and Analysis Tools
- Storage tanks and vessels
- Water and wastewater treatment

Power Generation Korea



Participation Guide

Shell Scheme Package	Raw Space
 - Space [3m x 3m] - Carpet - Fascia with 2 spotlights(100W) - 3 spotlights(100W) - Lighting column with booth no. - Power outlet(1KW) - Information Desk & Folding Chair (per company)	- Space Only - Minimum : 2 Booths (18 sqm)
US $ 3,000 / Booth(9 sqm)	US $ 2,500 / Booth(9 sqm)

Contact Us

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Venue

COEX is a business and cultural hub located in the heart of GANGNAM, Seoul's . business district. It is a popular entertainment destination in Seoul for both domestic and foreignvisitors, and welcomes an average of 150,000 people a day. Asia's largest underground mall, three five-star hotels, two premier office towers, a department store, a subway station, an airport terminal, and more are all located at COEX.

KOEMA

Korea Electrical Manufacturers Association (KOEMA) is established under the Industrial Development Act in 1990 for the purpose of nurturing business for the promotion of electricity industry in Korea and contributing to the national economy. About 200 Korea's representative electrical manufacturers including Hyundai Heavy Industries, LSIS and Hyosung are a member of KOEMA. The association is growing into "a leading electrical industry association in Korea" through cooperation with about 50 overseas relevant organizations. KOEMA intends to promote domestic and overseas exchanges in the industry and pursue continued development of electrical industry through the "SIEF & Power-Generation Korea".