Investor Relations 2011_1Q

Humaneering KEPCO E&C

We are trying to harmonize humanity, environment and engineering.





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Korea's Leading Power Plant Engineering Company

- Korea's leading provider of design and engineering for nuclear, thermal and hydro-electric plants with 35 years of experience
- Current 100% market share in nuclear power plant design in Korea
- The world's most competitive engineering company specialized in the two sectors: A/E and NSSS
- Expanding its business to energy-related business, environment-friendly business, etc.

Corporate Information

| | An, Seung Kyoo (Former Vice Chairman, Hyundai Engineering) | Employees | 2,041 (As of Feb 9, '11) | |
|-----------------|--|---------------|--|--|
| CEO & President | | Business Area | Power plant design & engineering, etc. | |
| | | | 2354 Yonggudaero, Giheung-gu, Yongin-si, Gyeonggi-do, Korea | |
| Foundation Date | October 1, 1975 | Location | | |
| Listing Date | December 14, 2009 | Homepage | www.kepco-enc.com | |

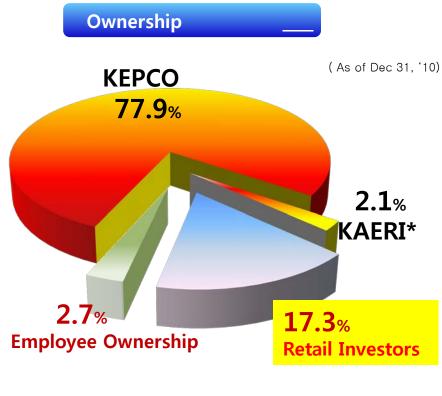
1. Company Information Ownership Information

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Listed on KRX [December 14, 2009]



* Korea Atomic Energy Research Institute

IPO Information

| Shares Outstanding (Common shares 100%) | 38,220,000 |
|--|----------------------|
| Listing Date | December 14, 2009 |
| Offered Securities | 7,644,000 (20%) |

Dividend

| Year | 2009 | 2010 |
|---------------------------|------------------|------------------|
| Amount | ₩1,081 /share | ₩1,847 /share |
| Propensity to Dividend | 50% | 50% |

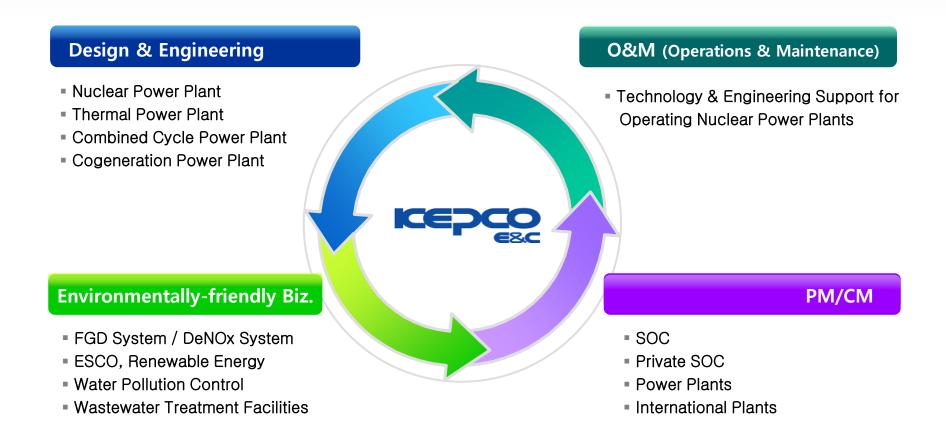
1. Company Information Business Overview

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Business Areas



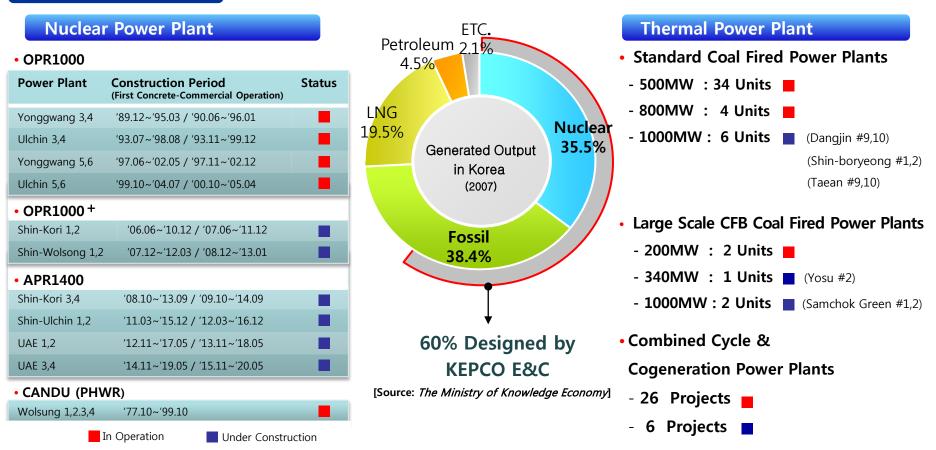


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KEPCO E&C has designed almost 60% of all Korea's power plants in terms of the generated output.

Project Experience





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Contribution to the Improvement of the Operating Power Plants' Operability, Efficiency and Safety



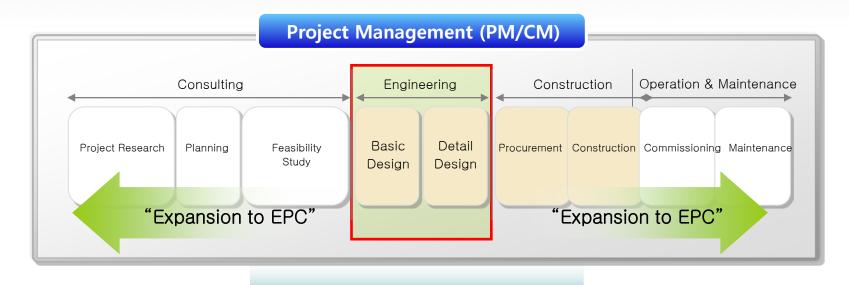
1. Company Information Business Area – PM/CM

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Management of the Entire or Parts of a Construction Project (Consulting, Engineering, Construction, O&M, etc.)



Involved Projects





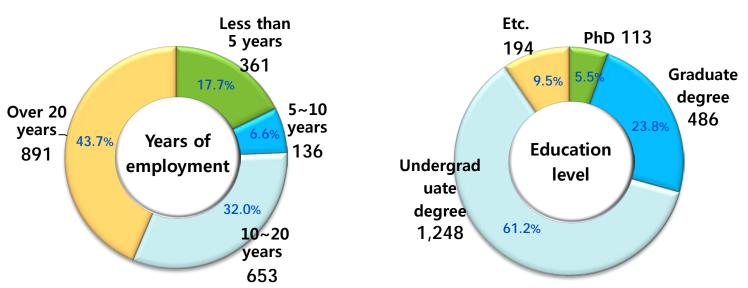
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Manpower with Years of Accumulated Experience and Expertise in Plant Design and Technology Development

Experienced Workforce

- 43.7% of the company's employees have performed various projects for over 20 years.
- In the past 20 years when the western countries reduced nuclear construction activities, we conducted nuclear power plant projects extensively and accumulated our technical know-how.

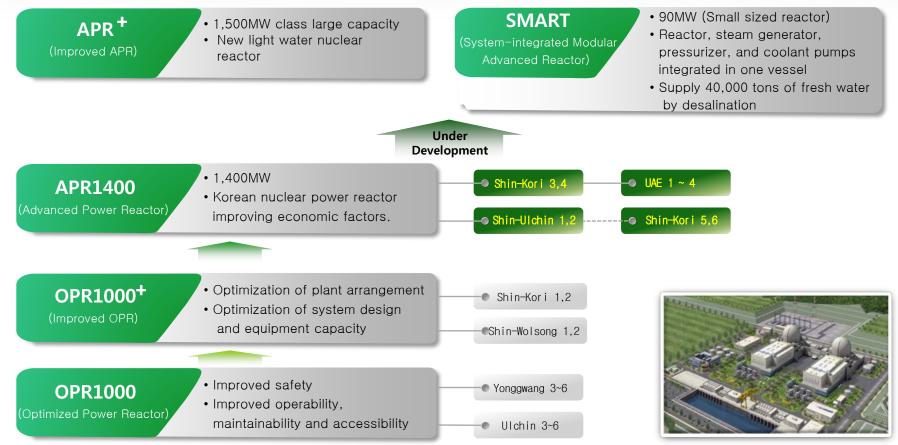


* Total employees: 2,041 (As of Feb.9, '11)

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Reactor Design Development



Shin-Ulchin 1,2

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APR1400 - The best safety, economic efficiency and operability

| OPR1000 | | |
|-------------------------|------------------|--|
| Capacity (MWe) | 1,000 | |
| Design Life Time | 40 Years | |
| Seismic Design Basis | 0.2g | |
| Refueling Interval | 12~18 Months | |
| Construction Period | Over 60 Month | |
| Construction cost | - | |

| APR1400 | | |
|------------------------------|-----------|--|
| Capacity (MWe) | 1,400 | |
| Design Life Time | 60 Years | |
| Seismic Design Basis | 0.3g | |
| Refueling Interval | 18 Months | |
| Construction Period | 54 Months | |
| Construction cost (\$/Kw) | 2,300 | |

| EPR (France-Areva) | | |
|------------------------------|----------------|--|
| Capacity (MWe) | 1,600~ 1700 | |
| Design Life Time | 60 Years | |
| Seismic Design Basis | 0.25g | |
| Refueling Interval | 18 Months | |
| Construction Period | 57 Months | |
| Construction cost (\$/Kw) | 2,900 | |



OPR 1000

APR 1400

<Source : www.apr1400.co.kr ; Comparison with other reactors>

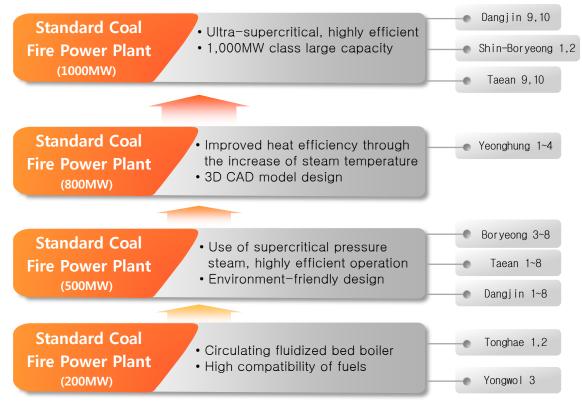
2. Competitiveness Technology – Fossil Power Plant

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Coal-Fired Power Plant Design Development





• Dangjin #1~4- World Best Project Awarded <US, Power Engineering, 2001>

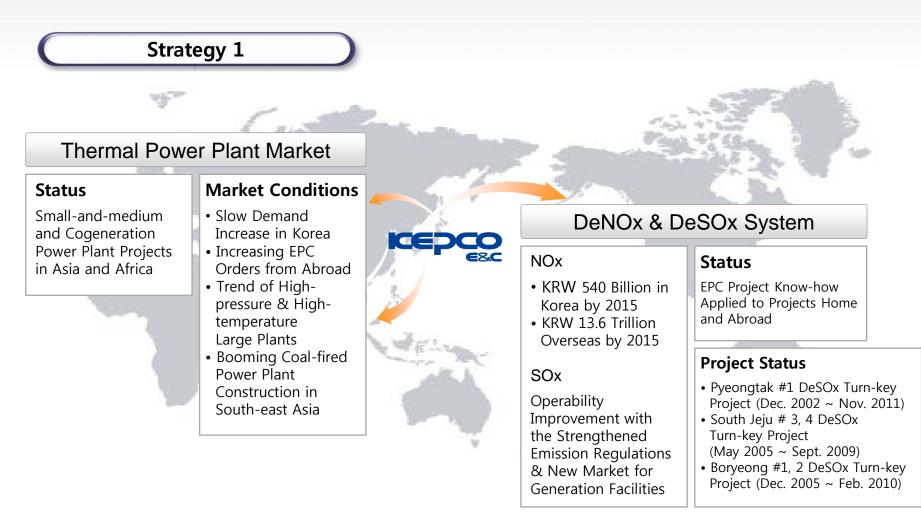


• Boryeong #3,4 – World Best Project Awarded <US, Electric Power International,1996>

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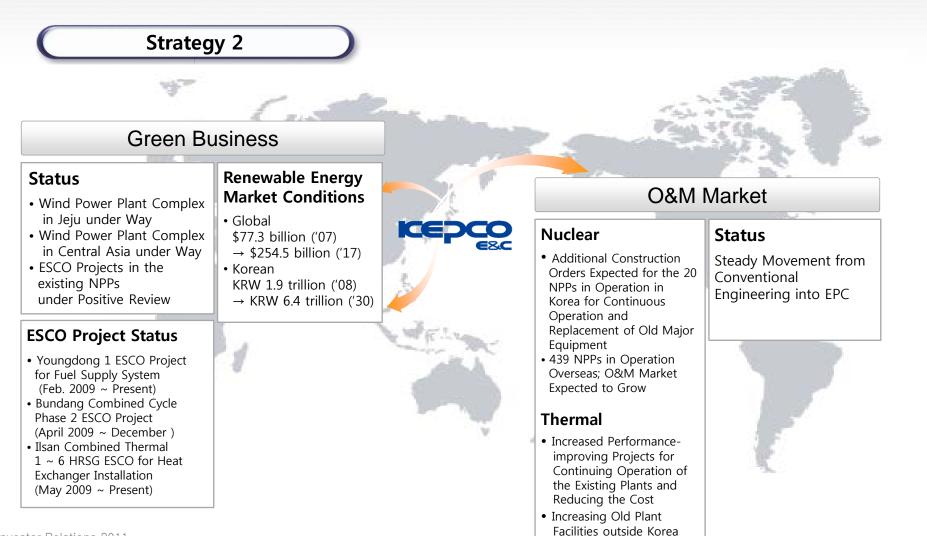
Developing Overseas EPC Projects toward Global Top 5 Power EPC Leader



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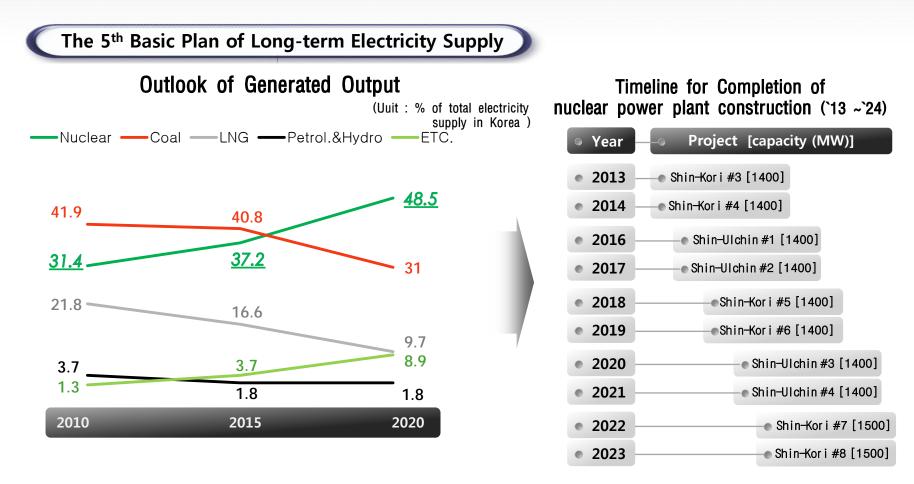
Developing Overseas EPC Projects toward Global Top 5 Power EPC Leader



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Korean Government's Focus on Nuclear Energy



[Source: The Ministry of Knowledge Economy, "The 5th Basic Plan of Long-term Electricity Supply", 2010.12.28]

Domestic Market Opportunities

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The O&M market is growing due to the old operating nuclear power plants.

| DI | | Capacity | Commercial | | | N 1 1 |
|-----------|----|------------------|------------|---------------|-------------------|---------|
| Plant | | Capacity (MW) | Date | NSSS Supplier | Plant A/E | Model |
| Kori | #1 | 587 | 78.04.29 | WEC | Gilbert | |
| | #2 | 650 | 83.07.25 | WEC | Gilbert | |
| | #3 | 950 | 85.09.30 | WEC | Bechtel/KEPCO E&C | |
| | #4 | 950 | 85.04.29 | WEC | Bechtel/KEPCO E&C | |
| Wolsung | #1 | 679 | 83.04.22 | AECL | AECL | |
| | #2 | 700 | 98.07.01 | AECL/DOOSAN | AECL/KEPCO E&C | |
| | #3 | 700 | 98.07.01 | AECL/DOOSAN | AECL/KEPCO E&C | |
| | #4 | 700 | 99.10.01 | AECL/DOOSAN | AECL/KEPCO E&C | |
| Yonggwang | #1 | 950 | 86.08.25 | WEC | Bechtel/KEPCO E&C | |
| | #2 | 950 | 87.06.10 | WEC | Bechtel/KEPCO E&C | |
| | #3 | 1,000 | 95.03.31 | DOOSAN | KEPCO E&C | OPR1000 |
| | #4 | 1,000 | 96.01.01 | DOOSAN | KEPCO E&C | OPR1000 |
| | #5 | 1,000 | 02.05.21 | DOOSAN | KEPCO E&C | OPR1000 |
| | #6 | 1,000 | 02.12.24 | DOOSAN | KEPCO E&C | OPR1000 |
| Ulchin | #1 | 950 | 89.09.10 | Framatome | Framatome | |
| | #2 | 950 | 88.09.30 | Framatome | Framatome | |
| | #3 | 1,000 | 98.08.11 | DOOSAN | KEPCO E&C | OPR1000 |
| | #4 | 1,000 | 99.12.31 | DOOSAN | KEPCO E&C | OPR1000 |
| | #5 | 1,000 | 04.07.29 | DOOSAN | KEPCO E&C | OPR1000 |
| | #6 | 1,000 | 05.04.22 | DOOSAN | KEPCO E&C | OPR1000 |

3. Investment Highlights Global Market Opportunities

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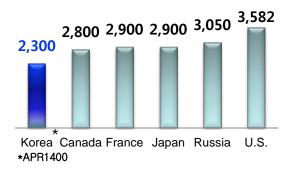
Why APR1400?

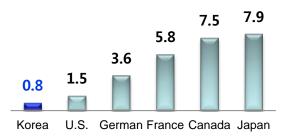
The World's Most Economical and the Safest Reactor

Cost of Building Nuclear Power Plant (\$/Kw)

Using Rate of Nuclear Power Plant (%)

Unplanned Capacity Loss Factor (%)





World Nuclear News (World Nuclear Association, 2008) *X Nucleonics Week,* March 2009

X IAEA Power Reactor Information System, March 2009

4. Our Performance Financial Overview

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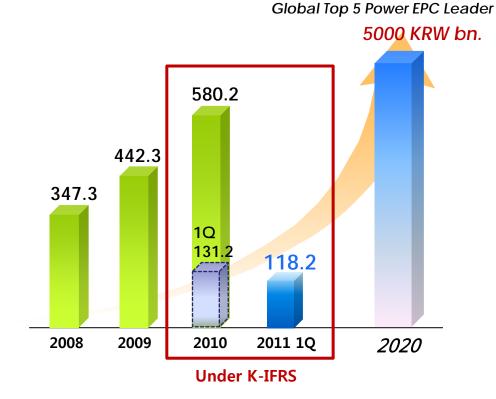
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2011 1Q Sales



[Unit: KRW bn.]



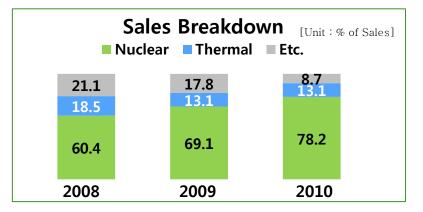
Sales Analysis

- The Decrease in the Major Nuclear Projects Progress
- The decrease in the progress in the major nuclear design projects led to the sales decline

• Adoption of K-IFRS

 According to the K-IFRS Accounting rule, the cost of sales follows the progress of the each projects

and it made a decrease in operating profit



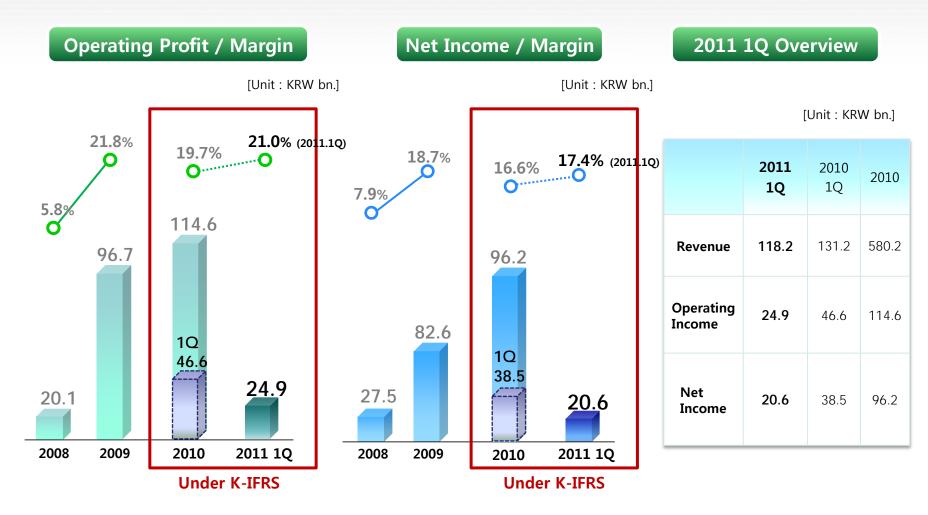
4. Our Performance Financial Overview

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2011 1Q Summary



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Vision 2020 – Global TOP 5 Power EPC Leader





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