



KEPCO Engineering & Construction Company, Inc.



KEPCO
E&C

AUGUST 2010

I. Company Overview



KEPCO E&C – Korea's Leader in Power Plant Engineering Company



“To become a world-class power plant engineering specialist”

Market dominance now and beyond

- Korea's leading provider of design and engineering for nuclear, thermal and hydro-electric plants
- 35 years of experience with 20 nuclear power plants under its belt
- **Current 100% market share** in nuclear power plant design in Korea
- State-of-the-art technology for thermal and nuclear power plants
- Strong position to capture the growing market in Korea and overseas

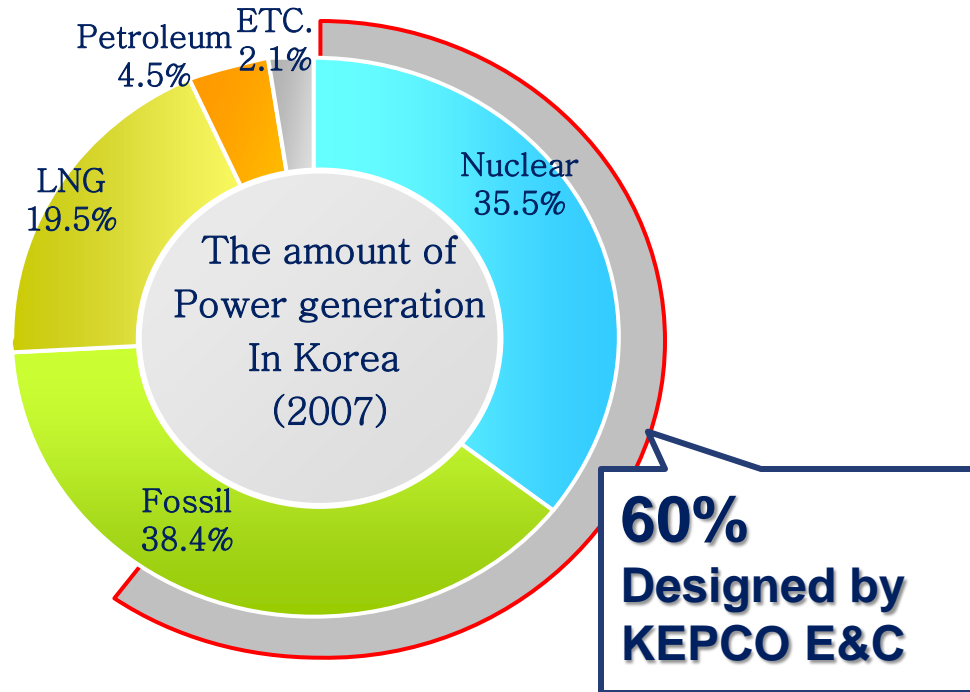
Business Overview

| | |
|---------------------------------|--|
| Nuclear Power Plant Engineering | <ul style="list-style-type: none">▪ Architectural Engineering of Nuclear Power Plant▪ Nuclear Steam Supply System (“NSSS”) |
| Thermal Power Plant Engineering | <ul style="list-style-type: none">▪ Standard Coal Fired Plant▪ Large scale Coal Fired Power Plant▪ Combined Cycle Power Plant▪ CFBC |
| Others | <ul style="list-style-type: none">▪ Project Management(PM)▪ Construction Management(CM) |

Business overview

Design & Engineering

**60% of electric power generation in Korea
produced in the power plants designed by KEPCO E&C**



Business overview

O&M (Operations & Maintenance)

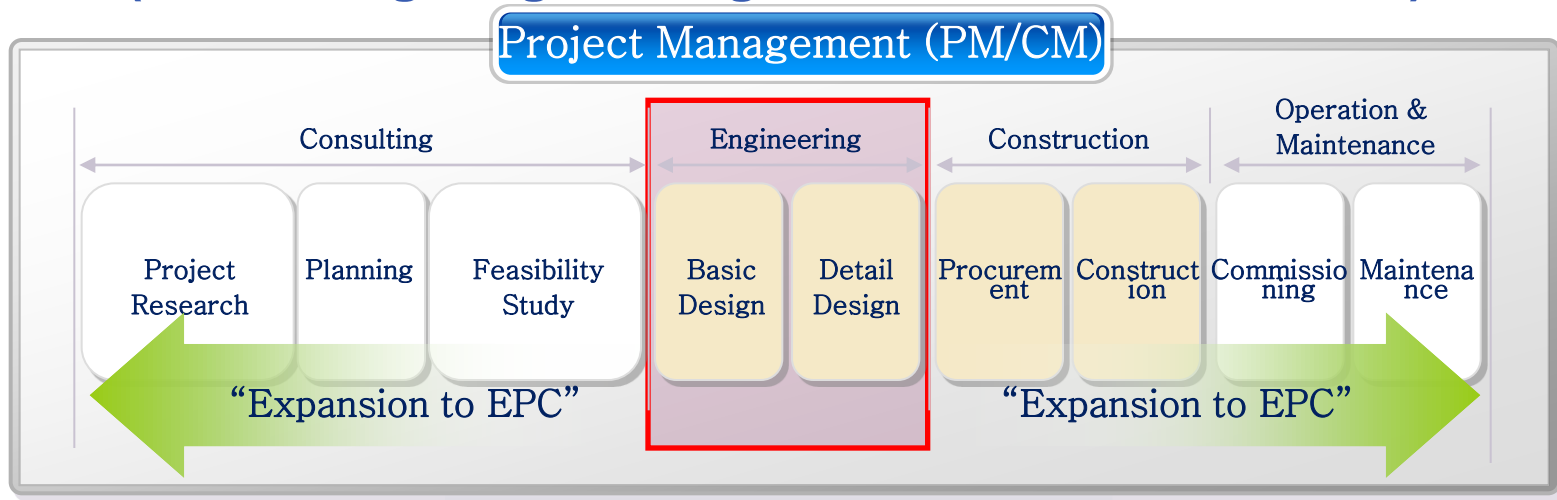
Contribution to the improvement of the existing power plants' operability, efficiency, and safety



Business overview

PM/CM

Management of entire or some parts of a construction project
(Consulting, Engineering, Construction, O&M , etc)



Involved Projects



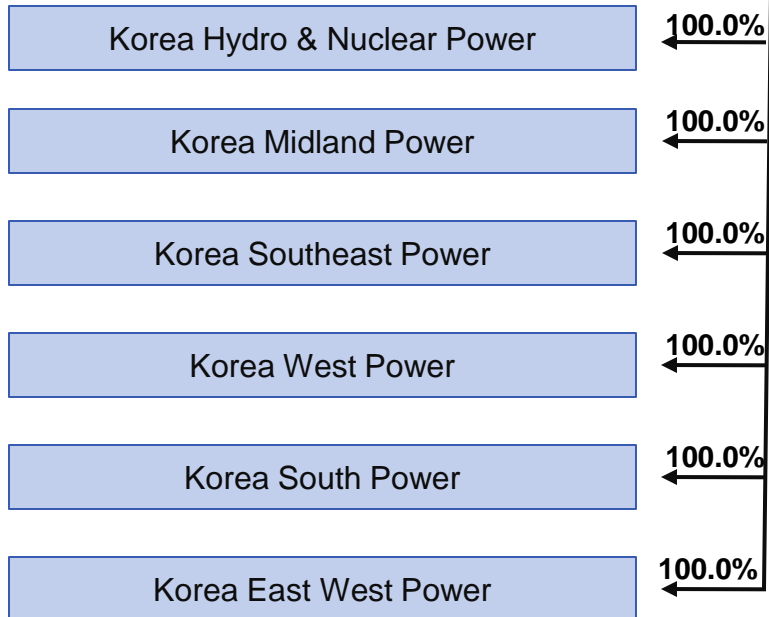
Ownership – KEPCO & Affiliated Companies



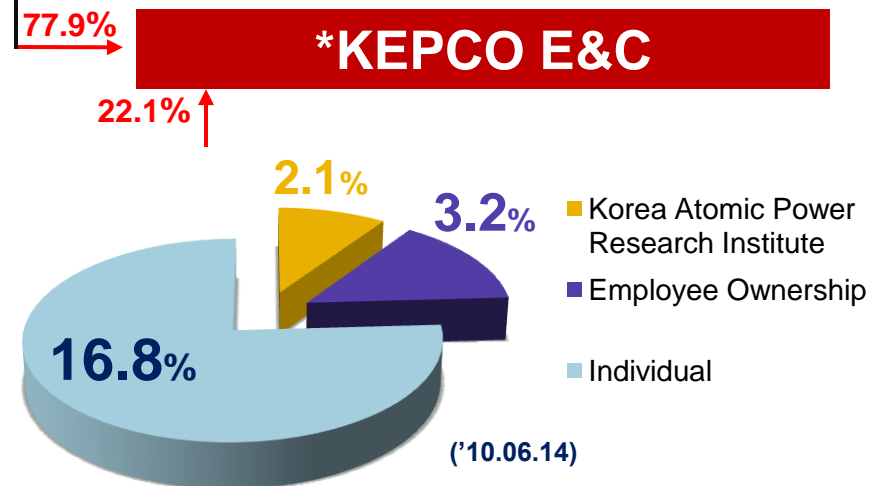
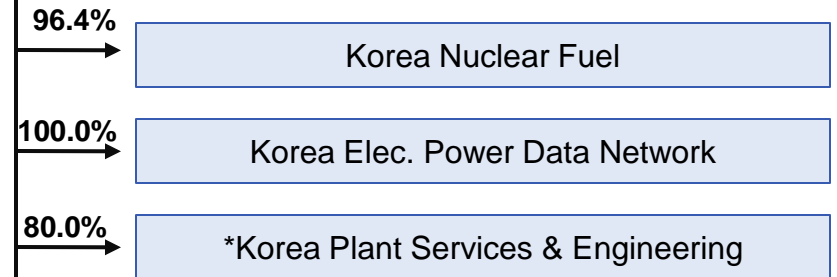
*Listed on the KRX

Korea Electric Power Corporation *(KEPCO)

Power Generation

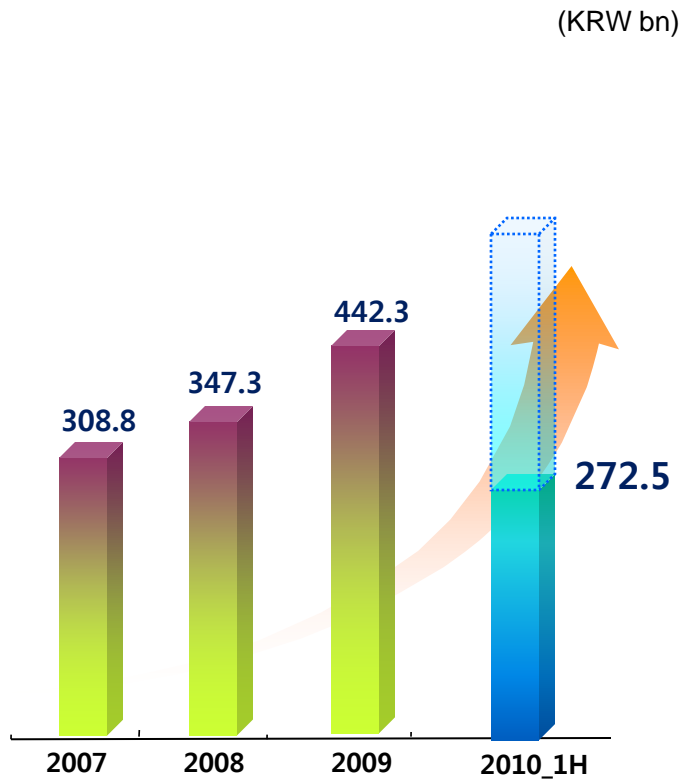


Service & Support

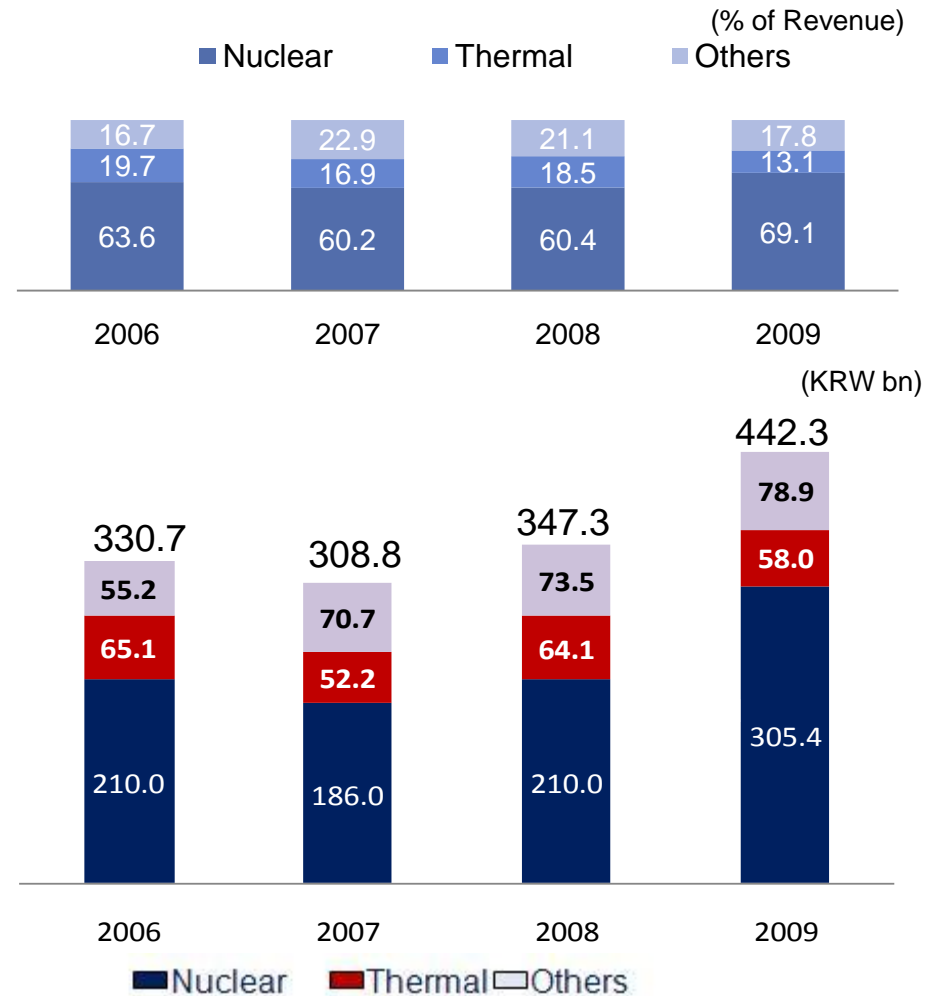


Revenue

Revenue



Revenue Breakdown



II. Investment Highlights



Investment Highlights



1

Attractive market opportunities in Korea and overseas

2

World-class technology

3

Experienced and capable manpower

4

Solid financial position

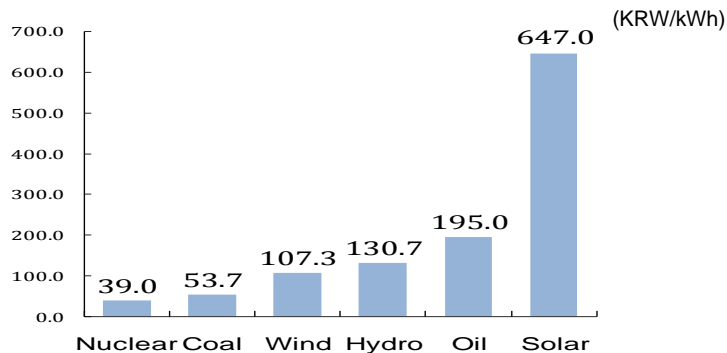
1. Attractive Market Opportunities

– Rediscovery of Nuclear Power

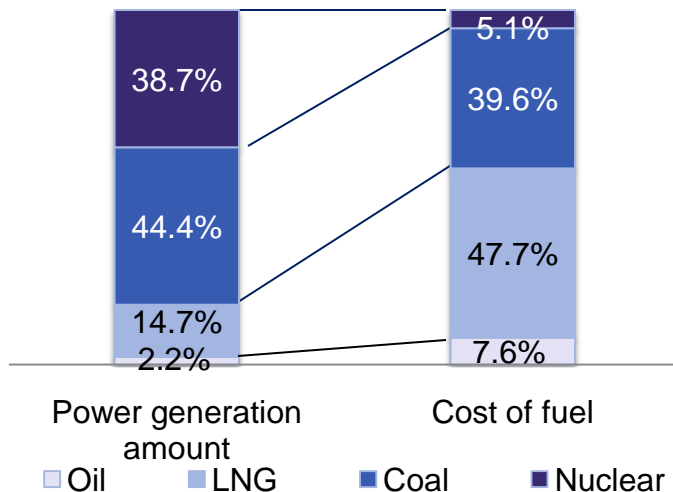
Cost-effective and Efficient

※ Source: KEPCO as of the end of 2008

Selling cost by generation source



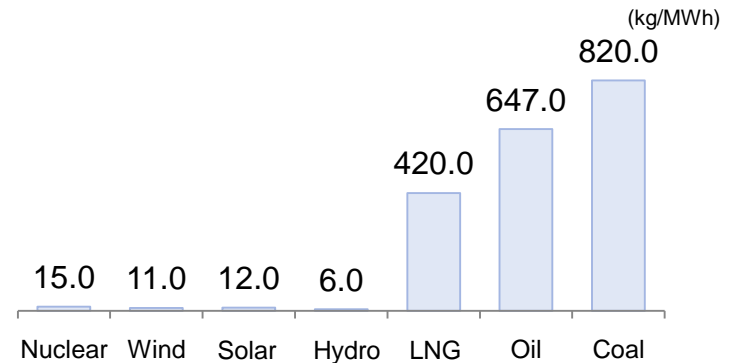
Power generation volume vs. cost



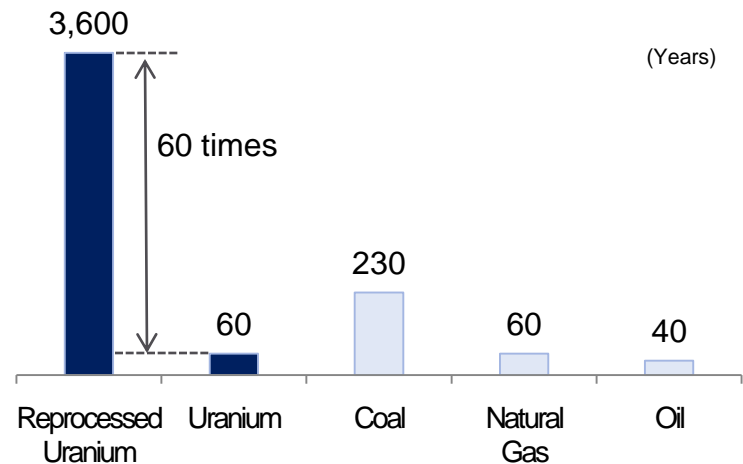
Clean and Environmentally-Friendly

※ Source: European Commission, KHNP

Carbon dioxide emission by fuel type



Usage life span by fuel type



1. Attractive Market Opportunities

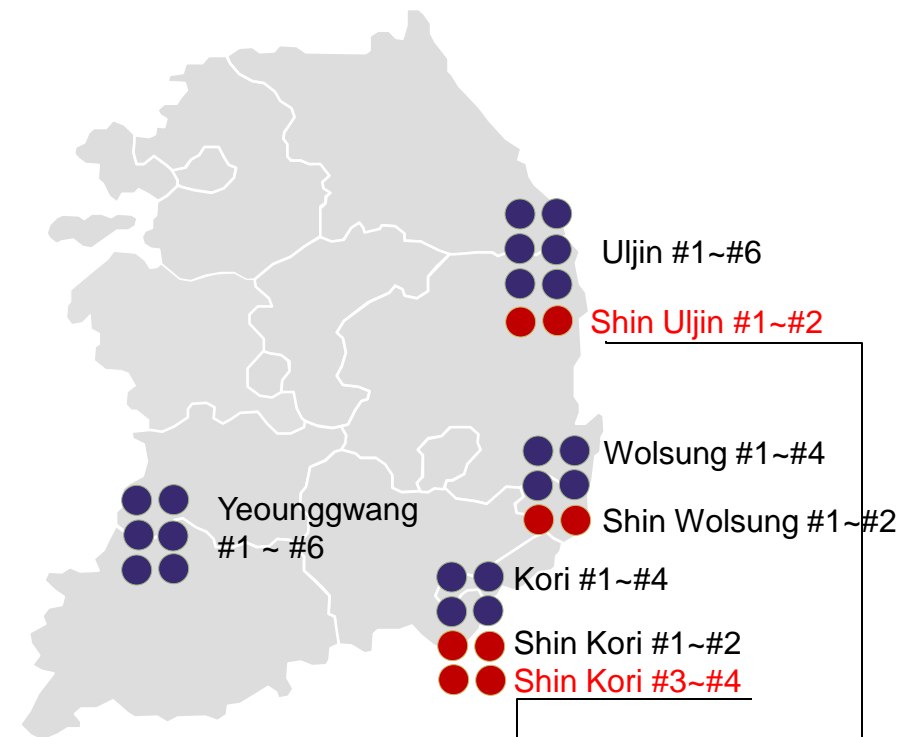
– Korea's Focus on Nuclear Energy

KEPCO E&C's Proven Track Record in Korea

- Korea's sole provider of nuclear power plant engineering, with 35 years of specialization
- Participated in engineering for all 20 of Korea's nuclear power plants.

Nuclear power plants contracted since 1987

- Nuclear power plants constructed
- Nuclear power plants currently under construction



✧ APR 1400
(The model exported to UAE)

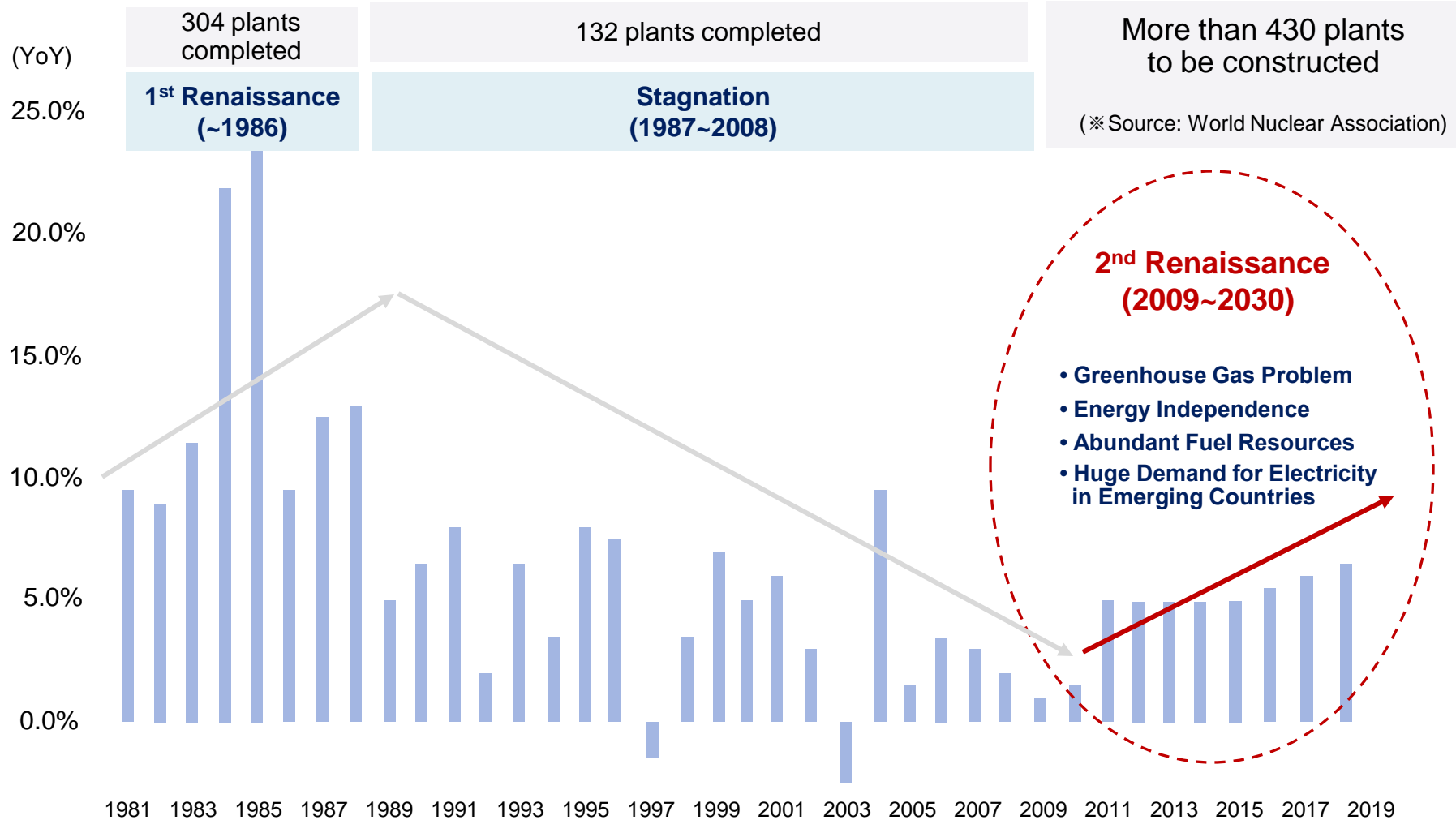
Source : KHNP, KEPCO

1. Attractive Market Opportunities

– Global Market Growth

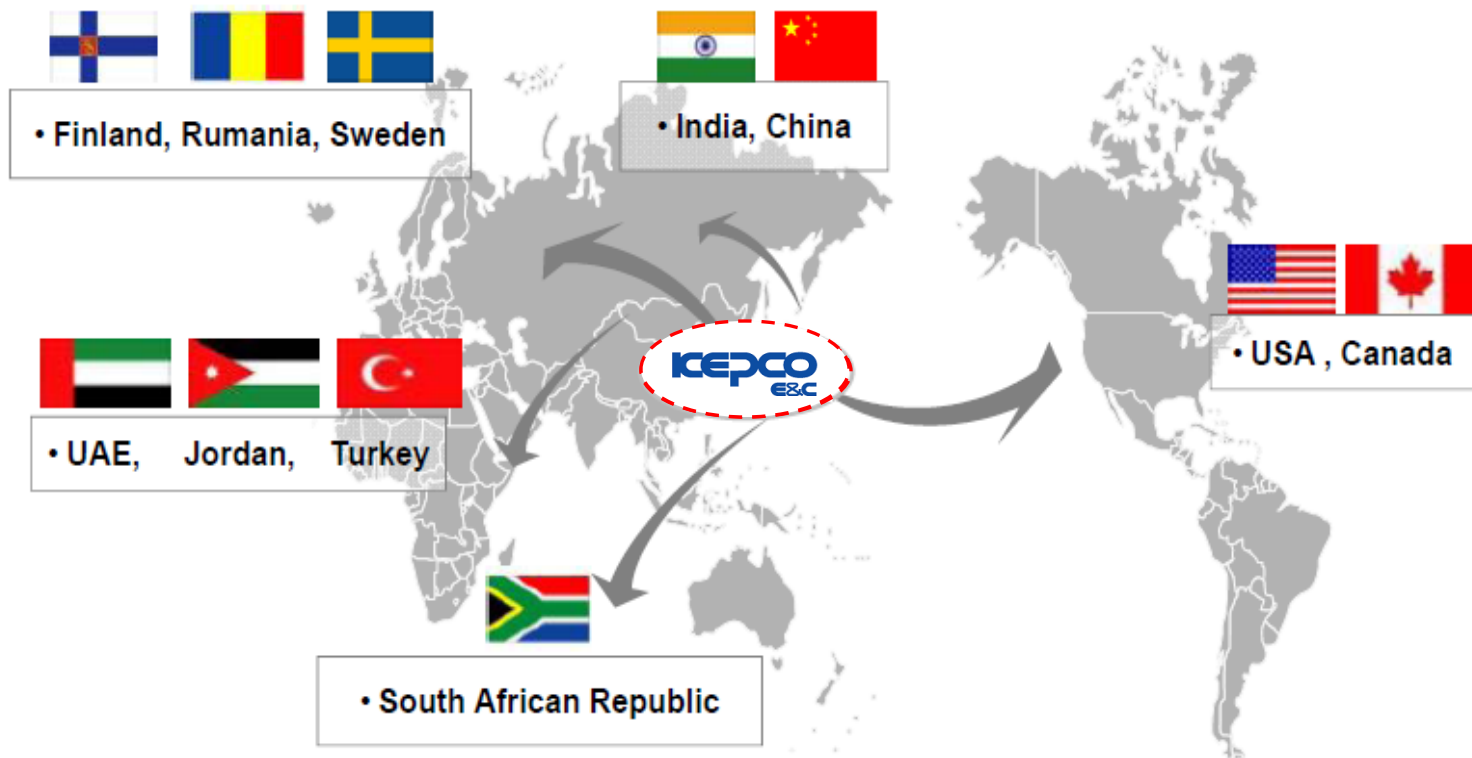


Beginning of a 2nd Renaissance in the nuclear industry



1. Attractive Market Opportunities

– Global Market Growth





2. World-class Technology

Differentiated technology focus

| | A/E (Architectural Engineering) | NSSS (Nuclear Steam Supply System) |
|------------------------------|--|--|
| Design/ Engineering | KEPCO E&C | KEPCO E&C |
| Construction/ Manufacture | Hyundai, Daewoo, SK, Samsung,etc | Doosan Heavy Industry |

Models for nuclear power plants



Expanding areas of expertise

Environment

- Denitrification system
- Desulfurization system
- Carbon capture storage (CCS)

Renewable energy

- Wind power energy
- Tidal power energy
- Solar power energy

Operations & maintenance

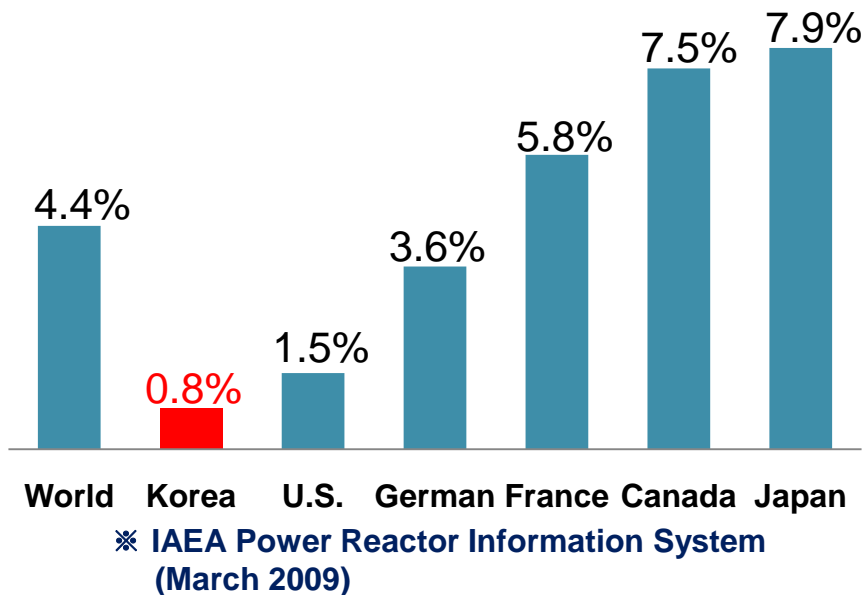
- Managing power plant life span
- Analyzing power plant
- Safety
- Performance upgrade

2. World-class Technology

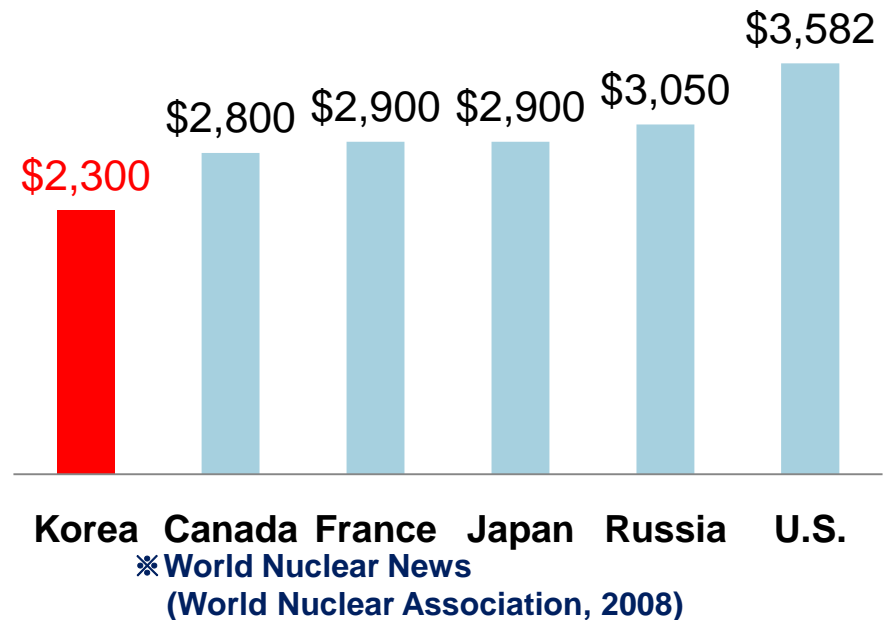


The best stability, safety and price competitiveness in the world.

Unplanned Capability Loss Factor
(2005~2007)



Cost of Building Nu. Power Plant (\$/kW)
(2008)

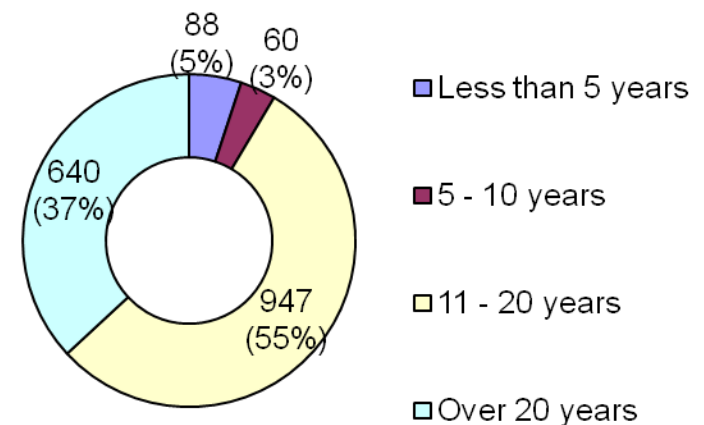
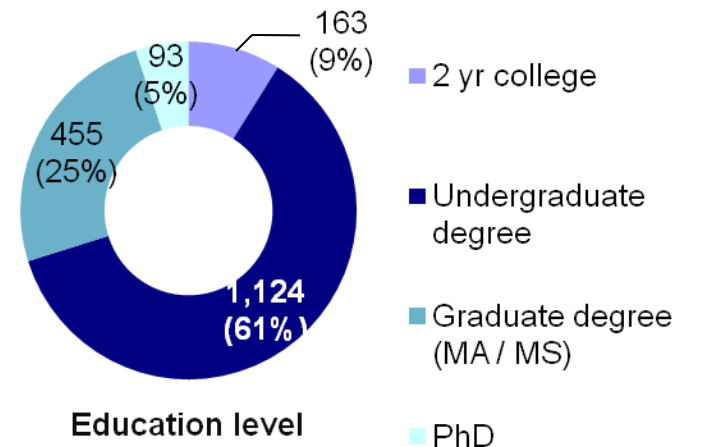


3. Manpower

Top management with 30+ years of industry and related experience

| | |
|-----------------------|--|
| An, Seung Kyoo | CEO & President Former Vice Chairman, Hyundai Engineering |
| Kim, Joo Wan | Auditor Former Managing Director, Joongdo Ilbo |
| Lee, Bae Soo | Senior Vice President & Head of Planning & Marketing Division Former General Manager, Management Planning Department |
| Kang, Sun Goo | Senior Vice President & Head of Nuclear Project & Engineering Division Former Vice President, Power Engineering Institute |
| Park, Chi Sun | Senior Vice President & Head of Plant Engineering & Construction Division Former General Manager, Civil & Architectural Engineering Department |

Capable and experienced industry professionals

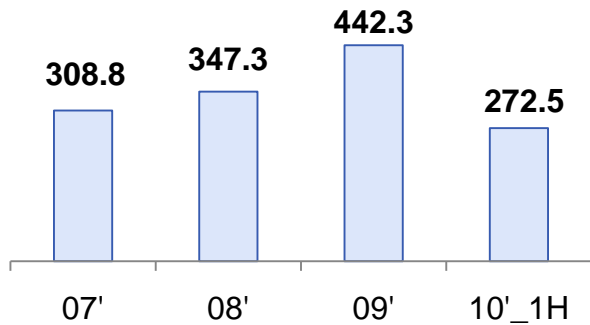




4. Solid Financial Position

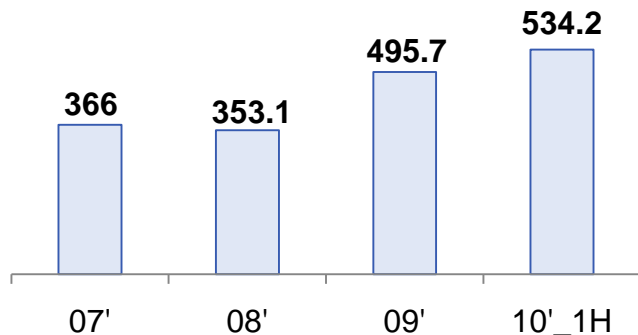
Revenue

(KRW bn)



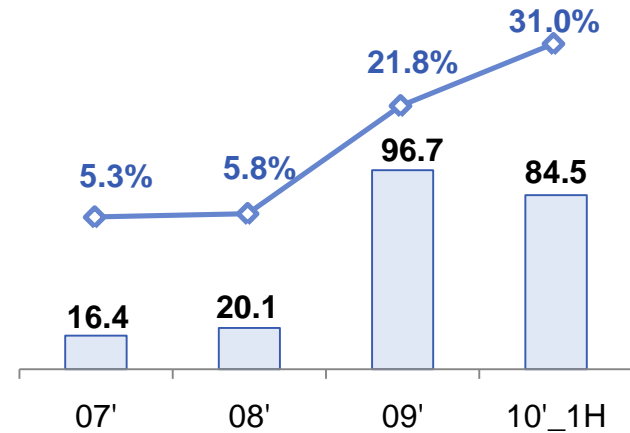
Assets

(KRW bn)



Operating income / margin

(KRW bn)



Net income /margin

(KRW bn)

