Investor Relations 2011

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

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

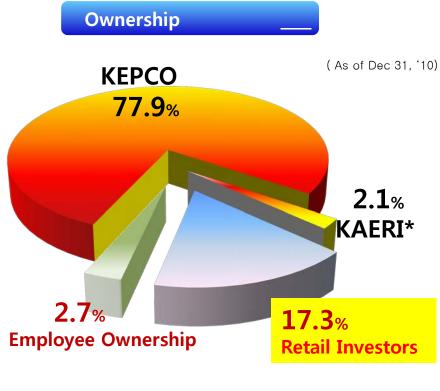
1. Company Information Ownership Information

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Listed on KRX [December 14, 2009]



* Korea Atomic Energy Research Institute
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I	PC	ntc	orm	at	ion	

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

DividendYear20092010Amount₩1,081
/share₩1,847
/sharePropensity to
Dividend50%50%

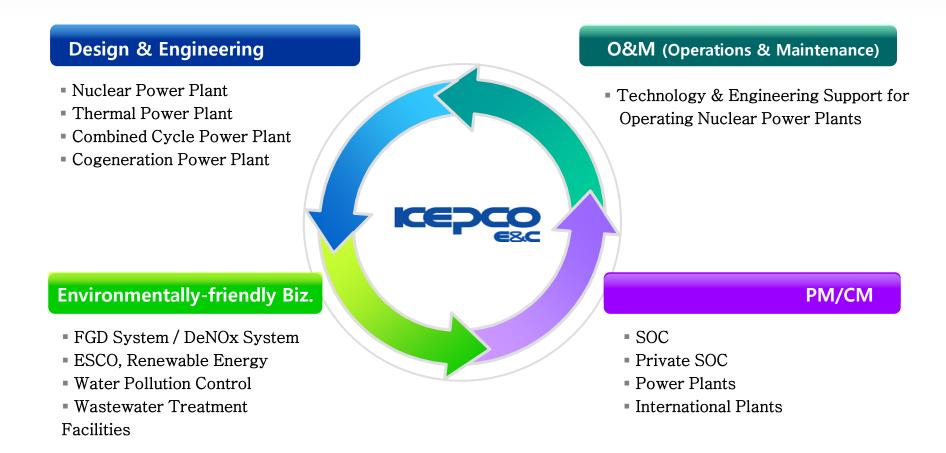
1. Company Information Business Overview

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Business Areas



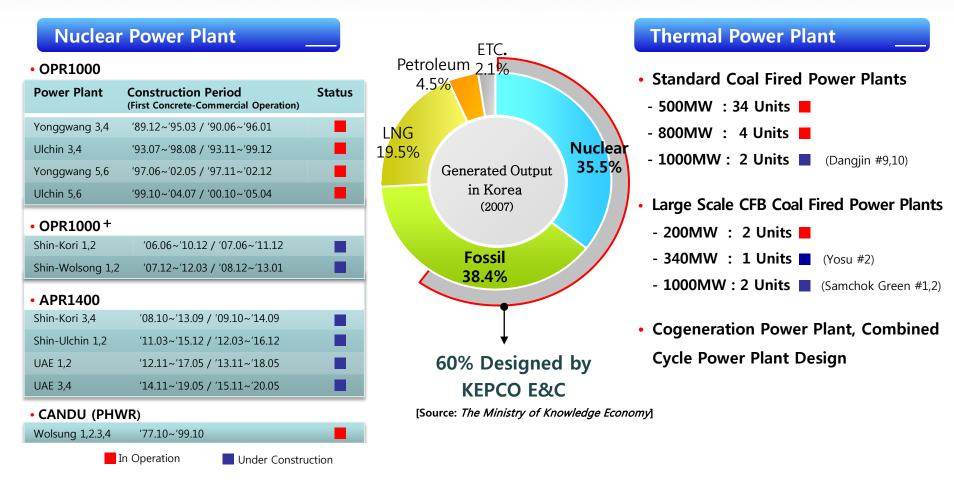
1. Company Information Business Area - Design

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





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



• Performance improvements, Life extension, Replacement of major equipment and facilities, etc.

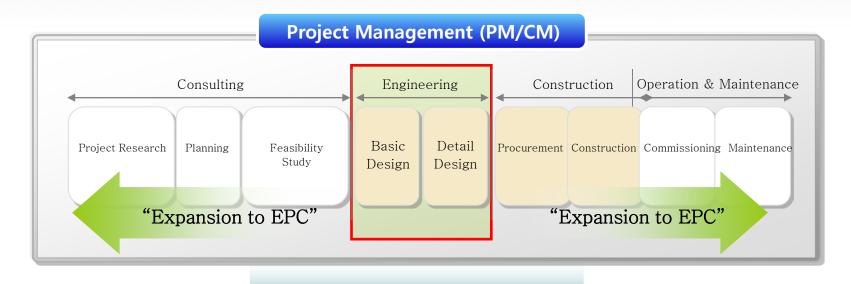
1. Company Information Business Area – PM/CM

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



Involved Projects





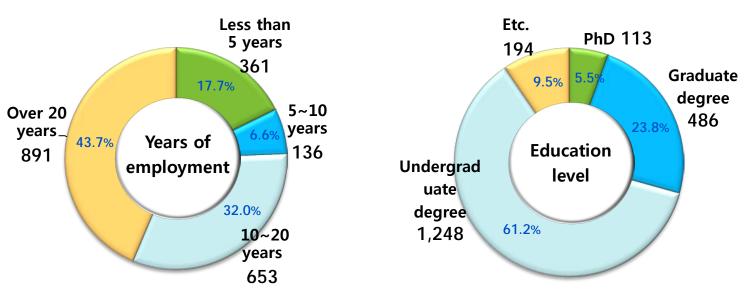
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Manpower with Years of Accumulated Experience and Expertise in Plant Design and Technology Development

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.

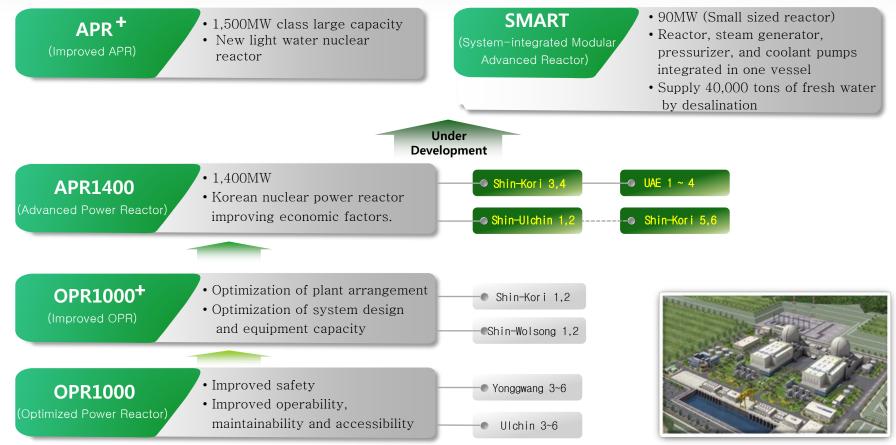


* Total employees: 2,041 (As of Feb.9, '11)

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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>

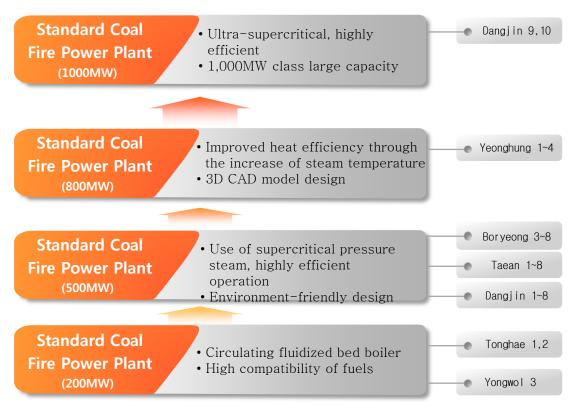
2. Competitiveness Technology – Fossil Power Plant

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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>

Future Growth Strategy

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2020 Vision: Global Top 5 EPC Leader!

2020 VISION

Global Power EPC Company with Technology for Customer Value

Strengthen Total Solution Segment.

- Expanding EP(CM)
- Expanding Thermal Power Plant EPC Projects
- Expanding Total Solutions for Green Industry
- Expanding O&M

Advance into the Global Market.

- Laying Basis for Overseas Projects
- Focusing on Overseas Projects in All the Business Areas
- Differentiating Approach to Overseas EPC Projects

Revenue EPC Revenue Global Revenue

Develop Sustainable Technologies.

- Securing Next-generation Nuclear Power Plant Technology Tailored to Exports
- Developing Plant/Green Technologies
- Bolstering R&D

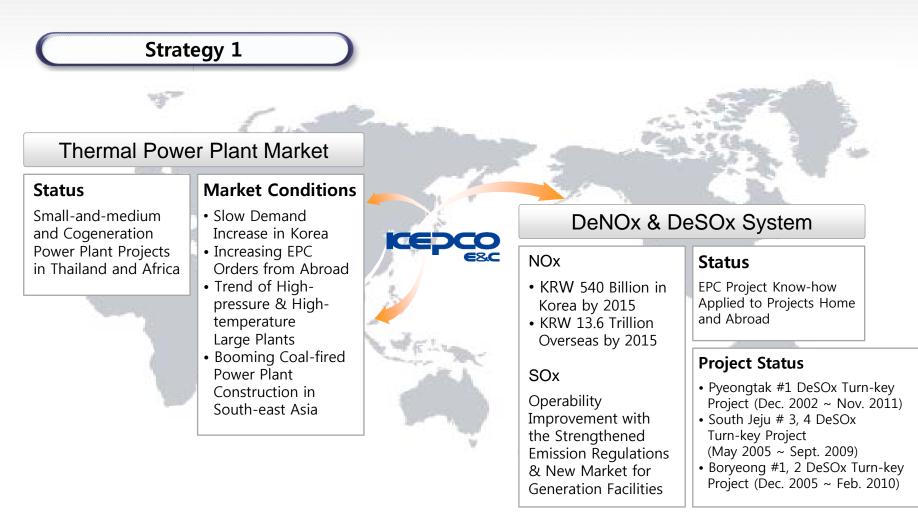
Goals by 2020

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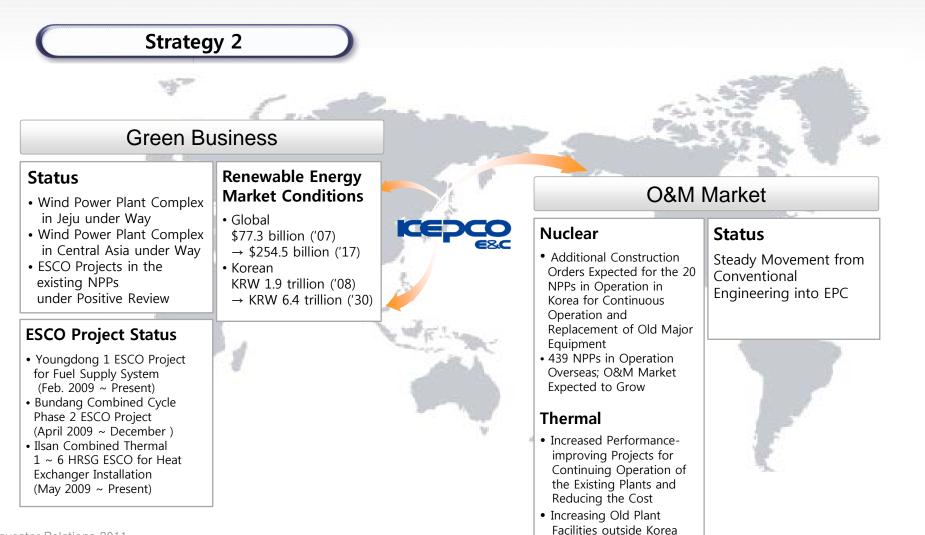
Developing Overseas EPC Projects toward Global Top 5 Power EPC Leader



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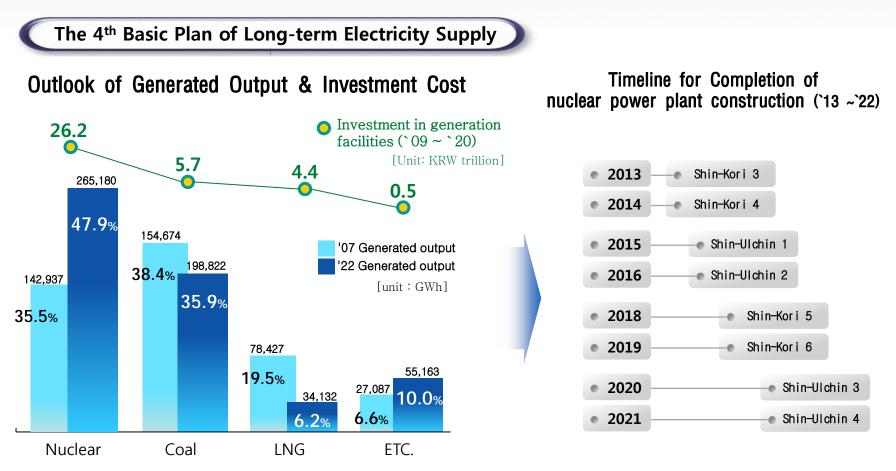
Developing Overseas EPC Projects toward Global Top 5 Power EPC Leader



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Korean Government's Focus on Nuclear Energy



[Source: The Ministry of Knowledge Economy]

Domestic Market Opportunities

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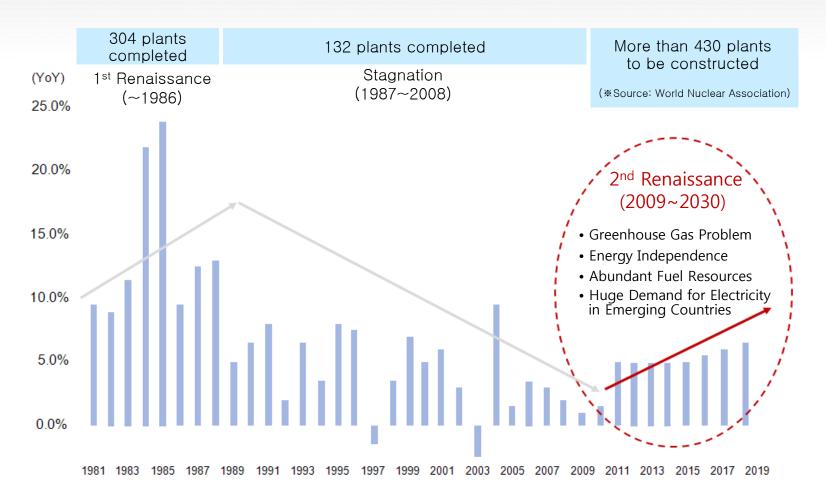
The O&M market is growing due to the old operating nuclear power plants.

Plant		Capacity (MW)	Commercial Date	NSSS Supplier	Plant A/E	Model
	#1	587	78.04.29	WEC	Gilbert	
	#2	650	83.07.25	WEC	Gilbert	
Kori	#3	950	85.09.30	WEC	Bechtel/KEPCO E&C	
	#4	950	85.04.29	WEC	Bechtel/KEPCO E&C	
	#1	679	83.04.22	AECL	AECL	
Wolsung	#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	
	#1	950	86.08.25	WEC	Bechtel/KEPCO E&C	
	#2	950	87.06.10	WEC	Bechtel/KEPCO E&C	
Yonggwang	#3	1,000	95.03.31	DOOSAN	KEPCO E&C	OPR1000
55 5	#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

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Beginning of the Second Renaissance in the Nuclear Industry



3. Investment Highlights Global Market Opportunities

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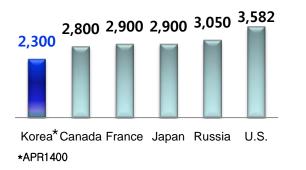
Why APR1400?

The World's Most Economical and the Safest Reactor

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

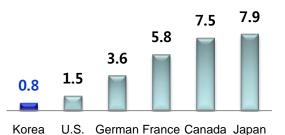
Using Rate of Nuclear Power Plant (%)

Unplanned Capacity Loss Factor (%)



93.3 59.2 66.7 73.1 76.1 89.9

Korea Japan Canada Russia France U.S.



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

X IAEA Power Reactor Information System, March 2009

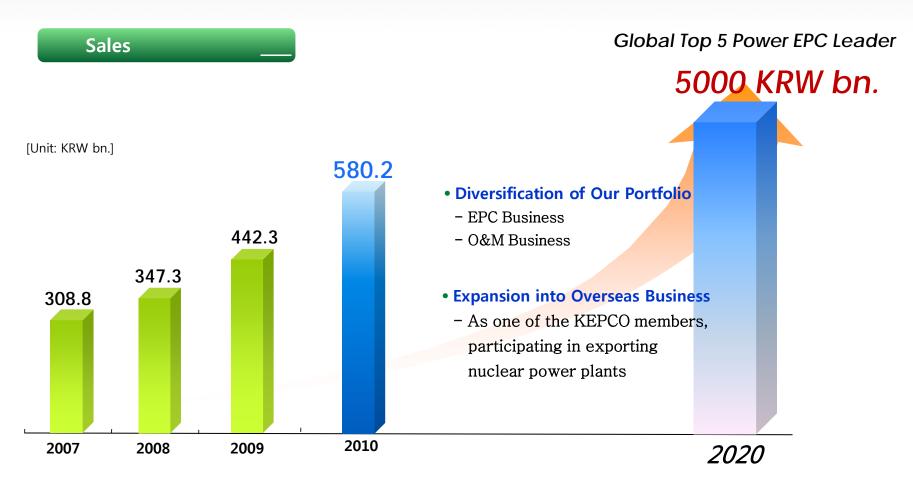
4. Our Performance Financial Overview

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KRW 580.2 Billion for the 2010 Sales, 31.2% Increase Year on Year



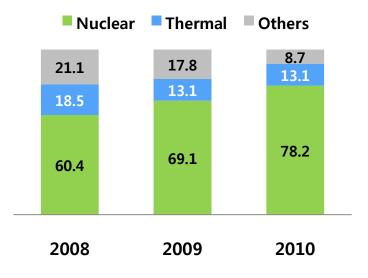
4. Our Performance Financial Overview

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Sales Breakdown



[Unit: % of Revenue]

Sales Analysis

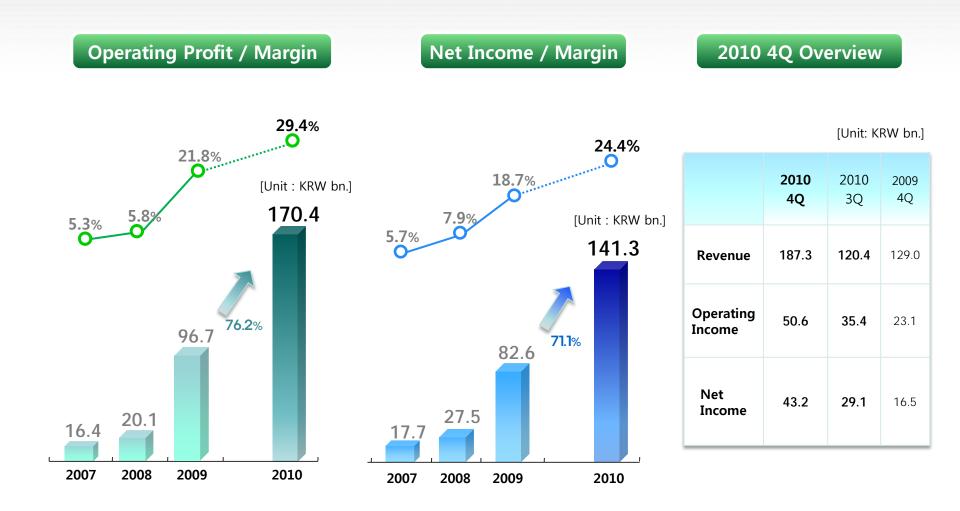
- Revenue increased largely thanks to the rising revenue of nuclear power plant design business and the initiation of UAE project.
- The increase in revenue led to rapid growth of the operating income
- Stable operating expenses
 - (by the government control to raise the wage and the efforts to cut down the operating expenses)

4. Our Performance Financial Overview

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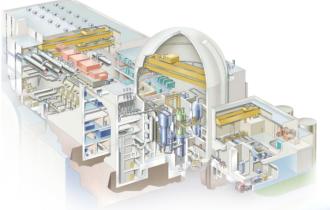




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Vision 2020 – Global TOP 5 Power EPC Leader







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