Investor Relations 2010

Humaneering KEPCO E&C

We are trying to harmonize humanity, environment and engineering





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Korea's Leader in 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		1,976 (As of Aug 27, '10)	
CEO & President	(Former Vice Chairman, Hyundai Engineering)	Business Field	Power plant design & engineering, etc.	
	Tyunuai Engineening)		2354 Yonggudaero, Giheung-gu,	
Foundation Date	1975.10.01	Location	Yongin-si, Gyeonggi-do, Korea	
Listing Date	2009.12.14	Homepage	www.kepco-enc.com	

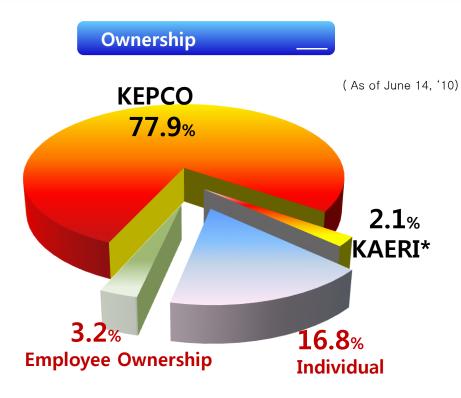
1. Company Information Ownership Information

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Listed on KRX [2009.12.14]



IPO Information

Shares Outstanding (Common shares 100%)	38,220,000
Listing Date	2009.12.14
Offered Securities	7,644,000(20%)

Dividend ('09)

Amount	₩1,081 /share
Propensity to Dividend	50%

*Korea Atomic Energy Research Institute

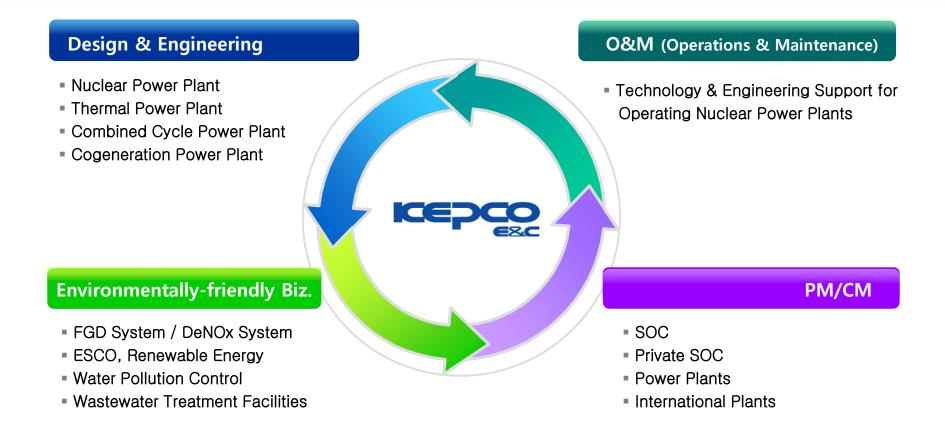
1. Company Information Business Overview

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Business Area



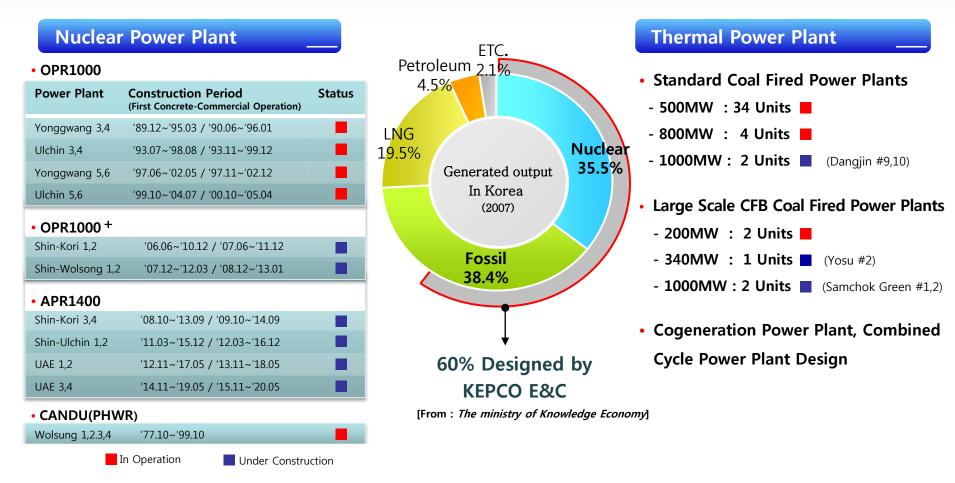
1. Company Information Business Area - Design

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Based on generated output, nearly 60% of all Korea's power plants have been designed by KEPCO E&C





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



- •Suggest solutions for the problems encountered during operation
- Performance improvements, Life extension, Replacement of major equipment and facilities, Etc..

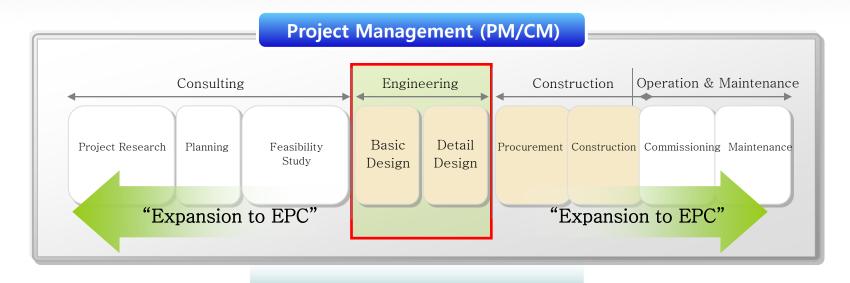
1. Company Information Business Area – PM/CM

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



Involved Projects



2. Competitiveness

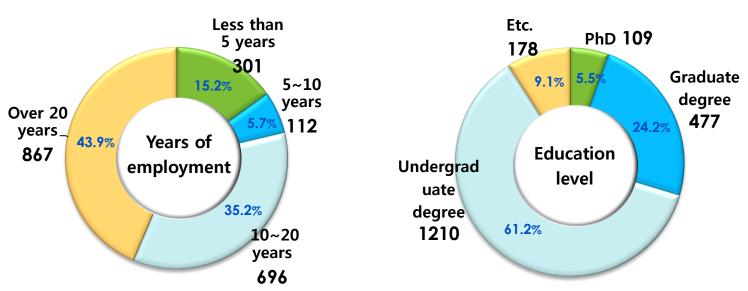
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Manpower with years of accumulated experience and expertise in the field of plant design and technological development

Experienced Workforce

- 43.9% of the company's employees have performed the various project for over 20 years.
- During the lack of nuclear construction activity in the western, we have gained extensive experience and technical know-how through the past 20 nuclear power plant constructions.



* Total employees 1,976 ('10.8.27.)

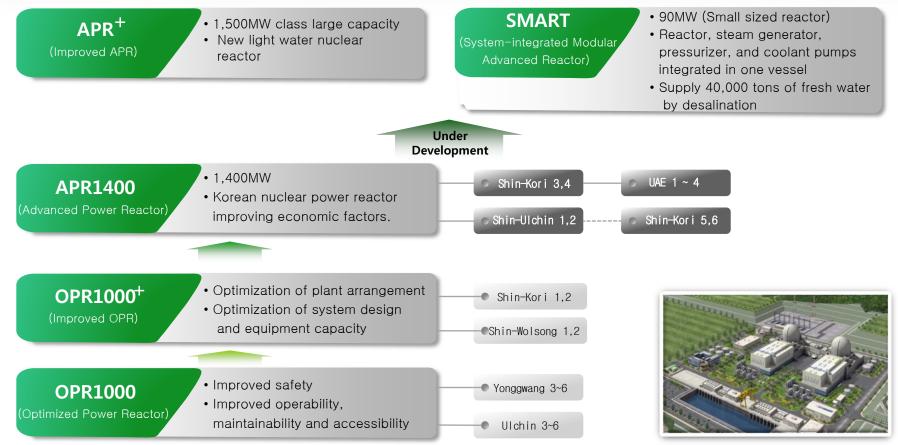
2. Competitiveness Technology – Nuclear Power Plant

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Reactor Design Development



Shin-Ulchin 1,2

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APR1400 - The best safety, economic efficiency and operability

OPR100	D
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

<From : <u>www.apr1400.co.kr</u> ; Comparison with other reactors>

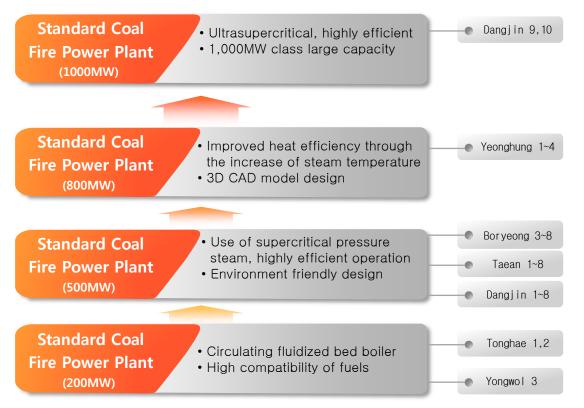
2. Competitiveness Technology – Fossil Power Plant

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Fossil Power Plant Design Development





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

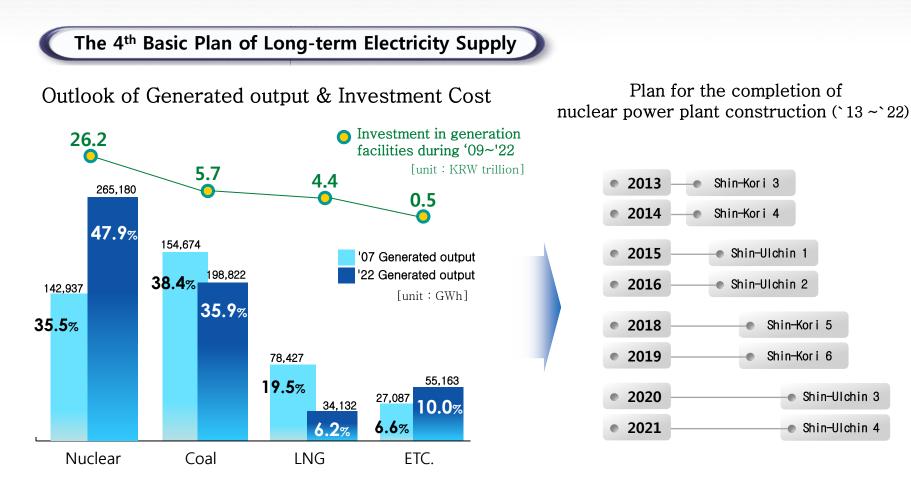


• Boryeong #3,4 – World Best Project Awarded <US, Electric Power International,1996>

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Korea Government's Focus on Nuclear Energy



[From : The ministry of Knowledge Economy]

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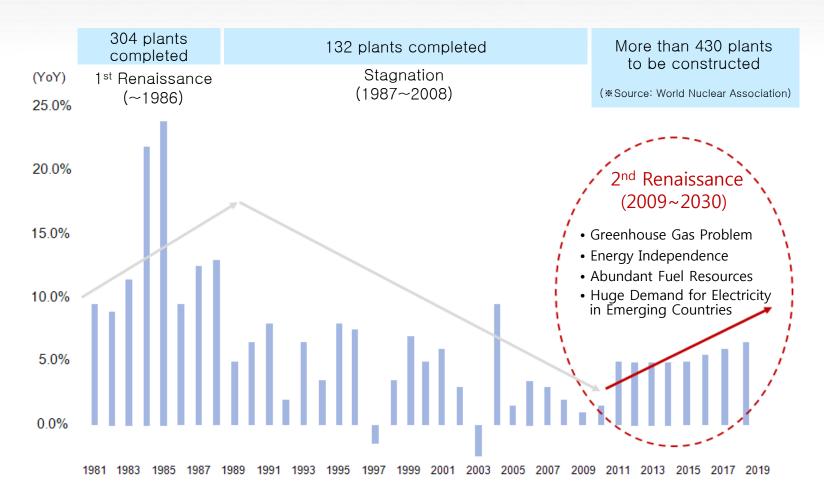
The O&M market is growing due to the deterioration of the operating nuclear power plants

Domest	ic Op	erating N	luclear Pow	er Plants (20 units)		
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	
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	
	#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 a 2nd Renaissance in the nuclear industry



3. Investment Highlights Global Market Opportunities

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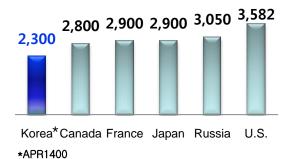
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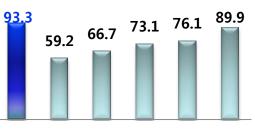
Why APR1400?

The World's Most Economical and Safest Reactor

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

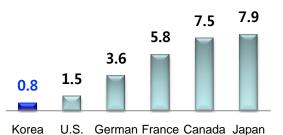


Using Rate of Nuclear Power Plant (%)



Korea Japan Canada Russia France U.S.

Unplanned Capacity Loss Factor (%)



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

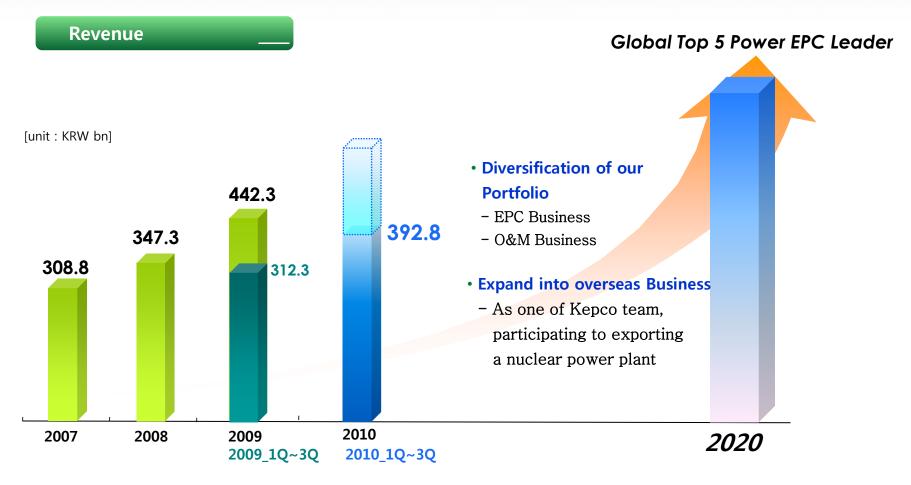
*IAEA Power Reactor Information System, March 2009



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kRW 392.8bn for the 2010 revenue(1Q~3Q) ,25.4% increase from the same period of the prior year



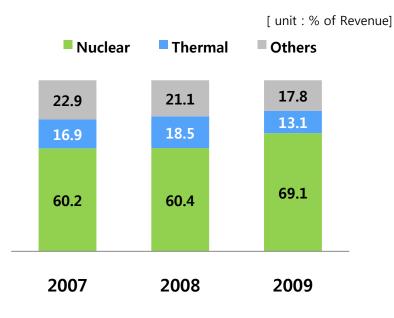
4. Our Performance Financial Overview

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Revenue Breakdown



Revenue Analysis

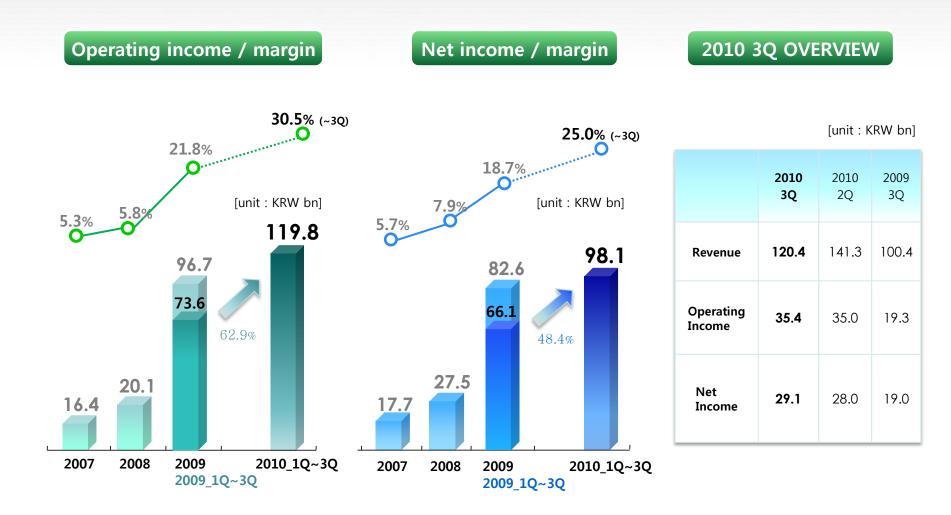
- Revenue increased mainly for the rising in the revenue of nuclear power plant design business and the initiation of UAE project
- The increase in revenue leaded to the rapid growth of the operating income
 - Stable operating expenses
 (the government control to raise the wage, the efforts to cut down the operating expenses)

4. Our Performance Financial Overview

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Vision 2020 – Global TOP 5 Power EPC Leader

