

**Main Issues Related to Industrial Involvement  
and Ways to Overcome Them**

# **Hands-on Experience of Industry and Sharing to ITER Project**

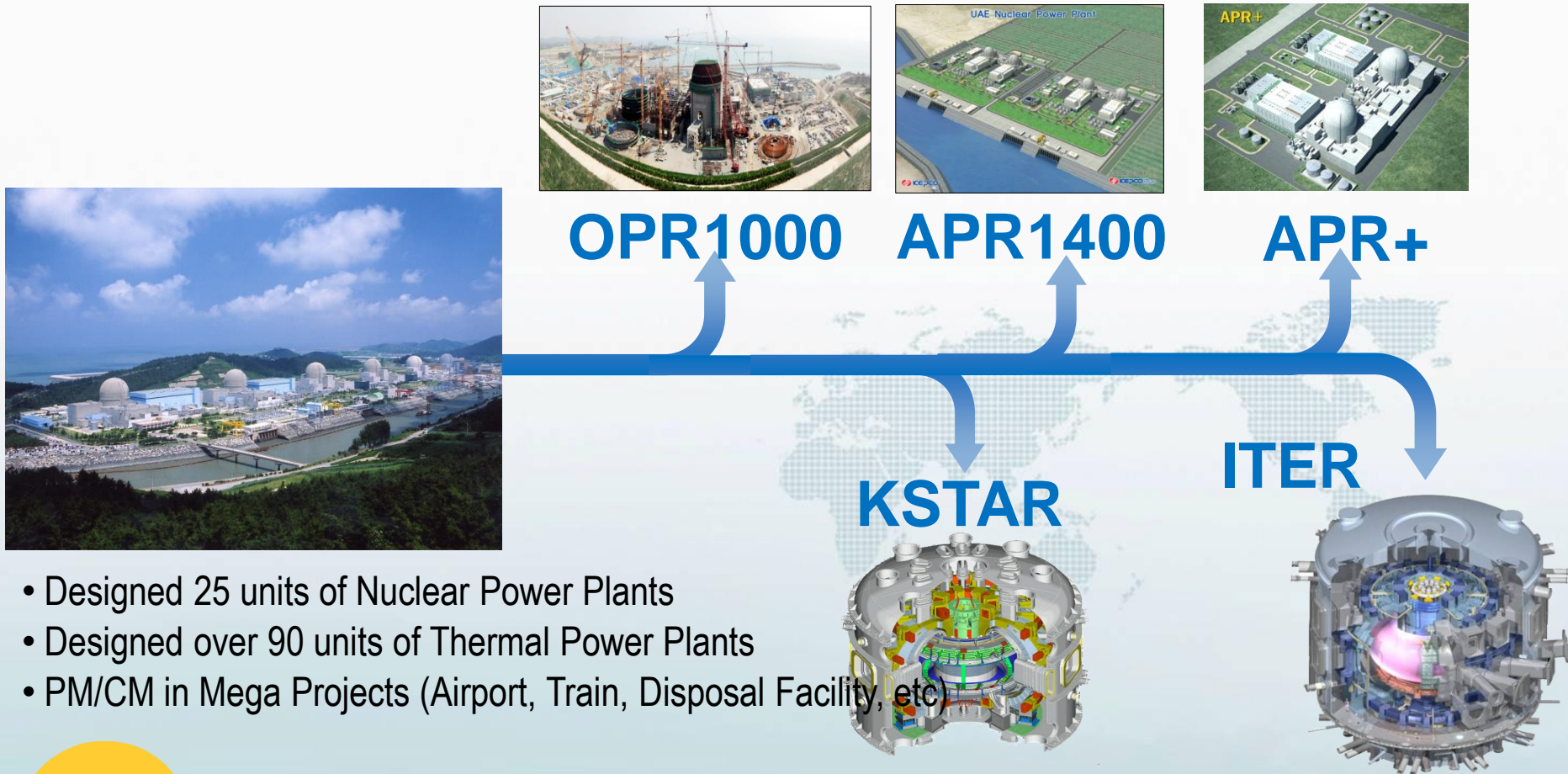
**3 December 2013 MONACO**



**Dr. Tae Eun JIN, Senior Vice President**  
**jinte@kepco-enc.com +82-31-289-4500**

# Hands-on Experience of KEPCO E&C

## Engrafting Experiences to ITER Project



- Designed 25 units of Nuclear Power Plants
- Designed over 90 units of Thermal Power Plants
- PM/CM in Mega Projects (Airport, Train, Disposal Facility, etc)

# Collaboration with ITER

## Expanding Cooperation Area in ITER Project

### ● Project Management Area

- Support to ITER CM Programme Improvement
- Development of ITER Detailed Implementing Procedures

### ● Electrical Engineering Area

- Engineering Support for Electrical Installation
- Cable Engineering Support Service

### ● I&C Engineering Area

- CODAC, CIS and CSS Infrastructure Design
- CIS Final Design & Procurement

### ● Radwaste Technology Area

- Optimization of the Type B Radioactive Waste Treatment

# Competitiveness of KEPCO E&C

## Advanced Technology

- Design over 30 NPP with Aggregate Capacity of 30,000 +MW
- Versatile Manpower & Experience



## R&D Capabilities

- Know-hows in Nuclear Technology
- Life Extension Program
- On-Site TSO Operation

# ITER

## Commercialization

### Abundant Experiences

APR1400  
SMART  
Decontamination Equipment

## Optimization

### Design/Interface Control

Full Scope 3D & EDB  
3D Design Verification  
4D Construction Simulation

## Owner Support

### Project Owner Support

Licensing Support  
PM/CM on Mega Projects  
Engineering Management

# Suggestions to ITER

- **Leveraging Experts' Years of Experience**
  - Moving into Full Construction Stage
- **Procurement**
  - Creating Competitions through Procurement of Large Packages
- **Central Control Tower**
  - Applying and Demonstrating Strong and Clear Governance



**Thank you for your attention !**

