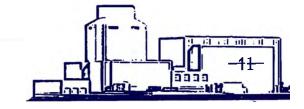


# A Glance at SNERDI





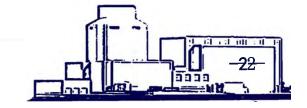


- Market-oriented service provider
- Backbone of China nuclear power industry
- □ Significant contributor to China nuclear power technology development

#### **SNERDI**

Shanghai Nuclear Engineering Research and Design Institute





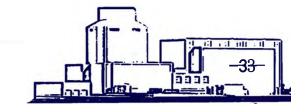


- □ 1970,2 : Founded in Shanghai
- □ 1984,12 : Formally named as
- "Shanghai Nuclear Engineering & Design Institute (SNERDI)", a subsidiary of China National Nuclear Corporation (CNNC)

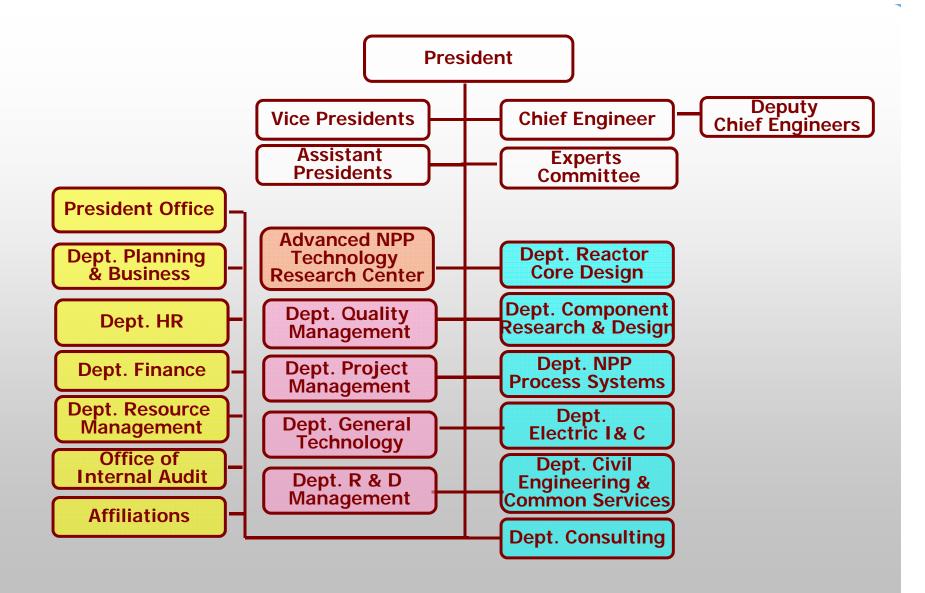


■ 2007,5 : SNERDI has become a subsidiary of the State Nuclear Power Technology Corporation (SNPTC)











#### **Human Resource:**

- ☐ Employee Total:1300
- ☐ Those for Research and Design: 1100
- □ includes:
  - Senior Professional of Professor Rank: 100
  - Senior Professional: 200
- also includes:
  - Academician: 1
  - Design and Engineering Master: 3
  - Authorized Expert: 90



#### **Our Culture:**

- Nuclear Oriented
- Cooperation Highlighted
- Harmony Grounded

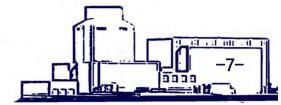
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#### Remarkable Milestones:

- 2012
- CAP1000 standardized design and CAP1400 technology development
- Engineering participation of AP1000 technology and efforts on comprehension
- 2007
- Introduction of AP1000 and performing technology transfer
  - Global call for bid of G3 NPP technology
- 2000
- CNP1000 NPP TEC. Development
- CPR1000 (French M310 type) NPP engineering
  - Evolutionary 300MWe NPP TEC. Development for CHASNPP #2
  - Co-development of CPWR1000 with Westinghouse
  - CANDU 6 engineering and construction participation
- 1990
- 300MWe TEC. improvement based on international standards for CHASNPP #1
- 1980
- 300MWe pressurized NPP technology Development for QNPP



Completed capability of NI design & Engineering and plant integration

NPP **Integrated** Design

**300MW NP Technology** 

SNERDI owned proprieta technology Ranked by IAEA as world advanced G2+ NPP technology

Seismic design for both hard rock and soft soil sites

Seismic Design

**Advanced G**3 **Passive NPP** 

**Design and Engineerin** Gomponent

Pre-stressed Containment

Reactor Component Design

Self developed technologies employed in QNPP, CHASNPP #1 & #2

Design

and Piping Sys. **Dynamic Analysi** 

Piping system, rotating machinery vibration analysis and piping support system stress and dynamic analysis.

Proven technology employed by design of QNPP, CHASNPP #1 and #2















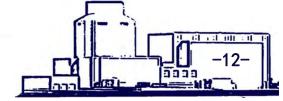
#### 上海核工程研究设计院



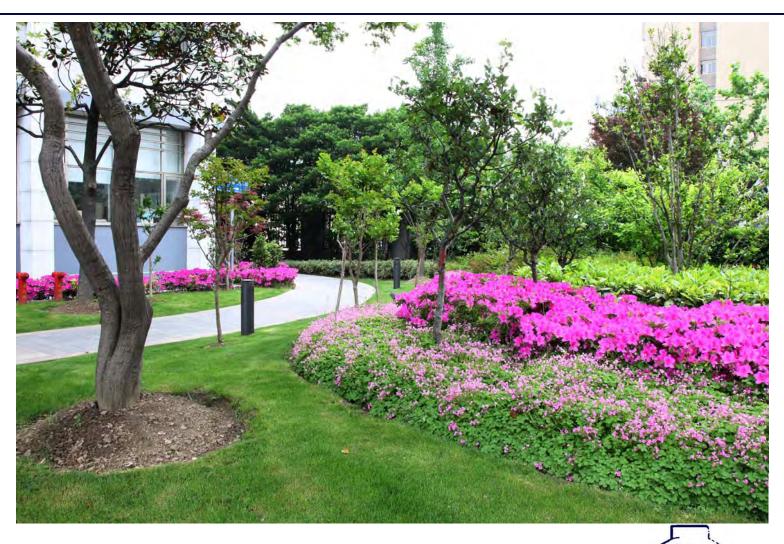














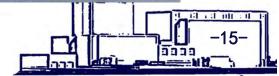




#### Auditorium



上海核工程研究设计院





#### Conference Room



上海核工程研究设计院



### Conference Room







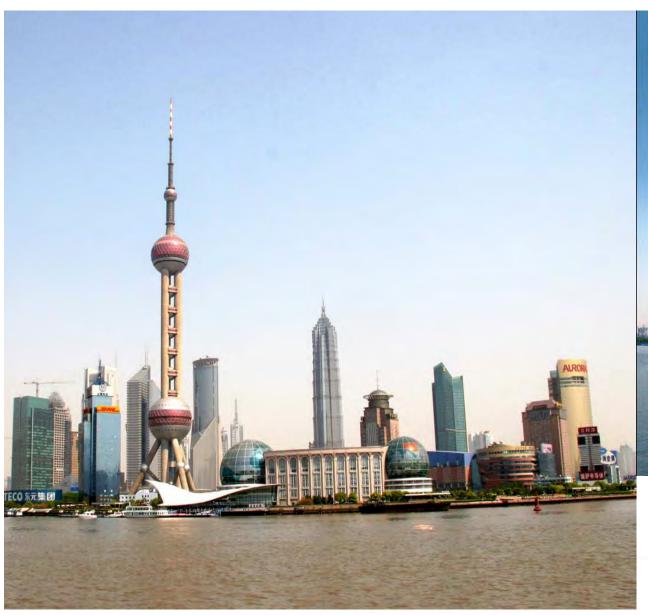


#### Conference Room

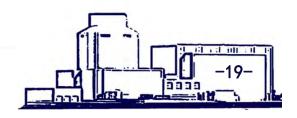




## Shanghai Welcomes You



Second International Symposium on **Nuclear Power Plant** Life Management









上善若水 (新疆·天池)