

CULTIVATING AND DEVELOPMENT-----30 YEARS PRACTICE OF SAFETY CULTURE IN CHINA

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CONTENTS



- The History of Nuclear Safety Culture in China
- □ The Achievement of the Safety Culture construction
- The Development of Nuclear Safety Culture in the Future
- Conclusion

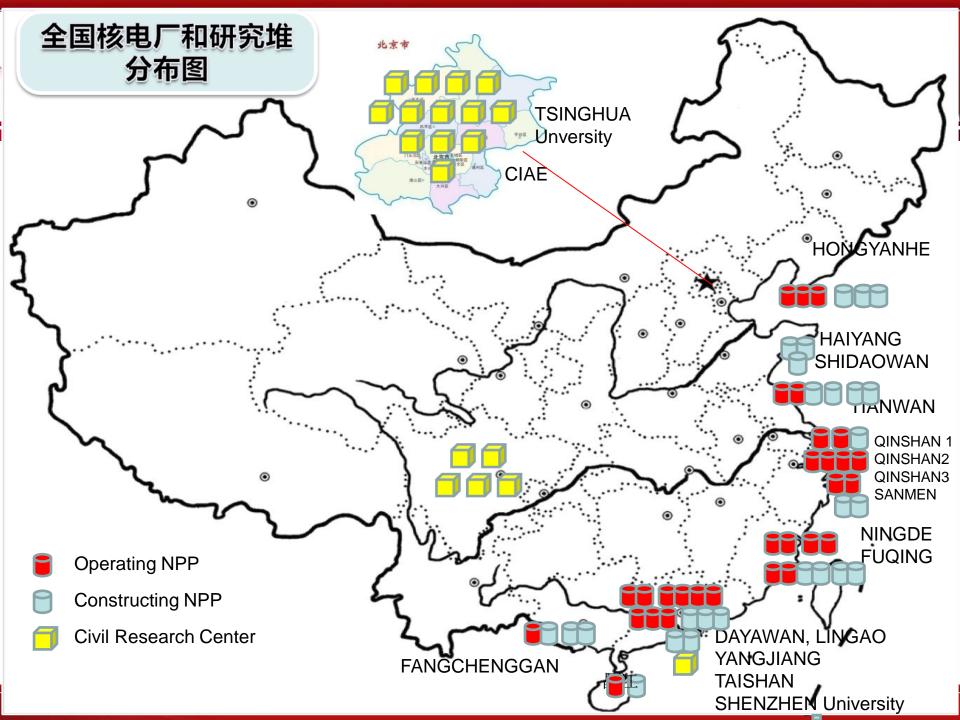


INTRODUCTION



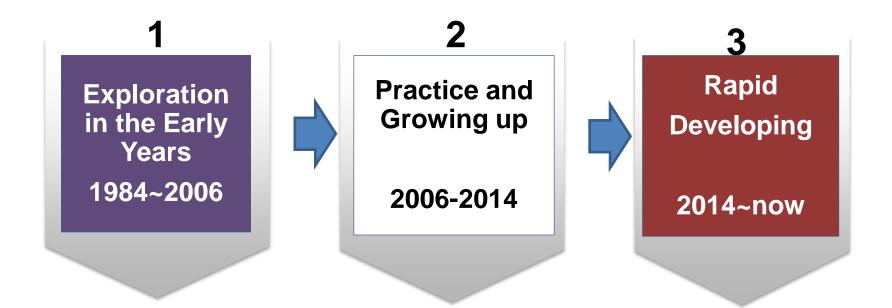
☐ THE NUCLEAR POWER IN CHINA

- Totally 56 NPPs
 - 30 NPPs are in operation
 - 26 NPPs are under construction, China is the 1st largest country in world in this regards













☐ PHASE 1 THE EXPLORATION IN THE EARLY YEARS (1984-2006)

- The background
 - Early development of nuclear power in China
 - Chernobyl Nuclear Accident
- The principle of safety first was established by regulatory authority
- The practice of industry





☐ PHASE 2 PRACTICE AND GROWING UP (2006-2014)

- The industrial safety was noted by the top level of the government
- The importance of nuclear safety was stress by the national policy
- Basic principle of regulation: Independence, Openness, Legitimacy, Rationality, Effectiveness
- The nuclear safety culture was introduce to vendor
- The practice of industry
 - CNNC: follow WANO
 - CGN: follow INPO





□ PHASE 3 RAPID DEVELOPING (2014-----NOW)

- Driving from top political level
- The policy issuing of the government department
- The practice of industry
- The involvement of the NGO



□ GOVERNMENT

- THE CHINESE NUCLEAR SECURITY VIEW
 - Nuclear Safety Act
 - Technology Bases



THE ACHIEVEMENT OF THE SAFETY CULTURE CONSTRUCTION

□ GOVERNMENT

- THE PUBLICATION OF POLICY DECLARATION FOR THE NUCLEAR SAFETY CULTURE
 - Nuclear culture definition of Chinese
 - 8 principles for the construction of nuclear safety culture
 - Responsibilities of the government, operator, and individual
- THE SPECIALIZED ACTION FOR NUCLEAR SAFETY PROMOTION
 - Eradicating the operation that violates the procedure, eradicating the forging and lying
 - Covered the every key position in the each licensee
 - 19,000 people are trained directly by the NNSA
 - 500,000 people are covered
 - 2,000 potential risk sources are eliminated



THE ACHIEVEMENT OF THE SAFETY CULTURE CONSTRUCTION

□ INDUSTRY

THE CNNC

















THE ACHIEVEMENT OF THE SAFETY CULTURE CONSTRUCTION

□ INDUSTRY

- CGN
 - Inner Safety Supervision
 - Safety first
 - The commitment
 - Transparency
- SNPTC
 - Policy—5 years plan for SC
 - "3C"culture





THE DEVELOPMENT OF NUCLEAR SAFETY CULTURE IN THE FUTURE

■ DEVELOPING NUCLEAR SAFETY EVALUATION AND ASSESSMENT SYSTEM

- Policy levels demonstrate nuclear safety concept and commitment to safety
- Management levels demonstrate the good example with correct attitude to safety
- All individuals plays indispensable role to safety and personally responsible
- Organizational and constant learning is embraced
- Complete and effective management system is established
- Proper working climate is created
- Mechanism of questioning, reporting and experience feedback to safety issues is established
- Harmonious public relation is created



PROMOTING THE NUCLEAR SAFETY CULTURE SYSTEMATICALLY

- Inner nuclear safety construction in NNSA
 - Management system
 - Nuclear safety coordinator
- The NNSA promotes the nuclear safety culture for the industry
 - Inspection
 - Evaluation
 - Establish basis



CONCLUSION



- The NNSA paid much attention to nuclear safety culture in the past 30 years and built it into one of the cornerstone of nuclear safety supervision edifice
- The construction and cultivation of nuclear safety culture need the consistent effort of all stakeholders, especially government
- The government of China will continuously take effort to push forward the nuclear safety culture domestically and internationally



Thank you for your attention!