

# Lockheed Martin Corporation Sandia National Laboratories

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## Technical Support Organization Proposal

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## NUCLEAR ENERGY & GLOBAL SECURITY



T E C H N O L O G I E S

Sandia is a multiprogram laboratory operated by Sandia Corporation, a  
Lockheed Martin Company,  
for the United States Department of Energy's National Nuclear Security  
Administration



under contract DE-AC04-94AL85000



Note to reviewers – this presentation contains a work proposal we want to make to two Chinese companies for them to contract with us to perform.

# Proposal

- **SNL can serve as the Technical Support Organization (TSO) to provide the best technical support to the mission of safe nuclear power in China**
- **This is a long-term, strategic partnership**
- **SNL's world class expertise covers all areas of nuclear safety experimentation, analysis, design, verification, certification**
- Research & development portfolio
- Site characterization
- Reactor design
- Severe accidents
- Probabilistic safety assessment
- Human reliability/factors
- Fire Science
- Structural, thermal analysis
- Spent fuel transportation, storage
- Disposal, repositories
- Emergency planning
- Regulatory framework
- Quality, continuous improvement
- Training
- Safeguards
- Physical & cyber protection
- Stakeholder interactions