



New Plant Services

Independent, expert resources for nuclear new build projects



Nuclear Project Experience and Insight on Your Side

New Nuclear Plants Require Specialized:

- People
- Culture
- Planning
- Tools
- Licensing
- Design/analysis
- Quality assurance
- Programs
- Training

Having a reactor technology provider on your side can help ensure success

GE Hitachi Advantage:

- Heir to over 60 years of nuclear project experience
- Big picture assistance or focused support, depending on needs
- Independent experts in an extensive range of regulatory, engineering, and project disciplines
- Expertise, programs, and experience applicable to all reactor types
- Access to partners for complementary support areas (e.g., Owner's Engineer)

Supporting a Full Range of Nuclear New Build Services:



Training and Human Resource Development

- Nuclear safety conscious culture
- Technology
- Risk management
- Lessons learned
- Leadership/management
- Operations and Maintenance (O&M)



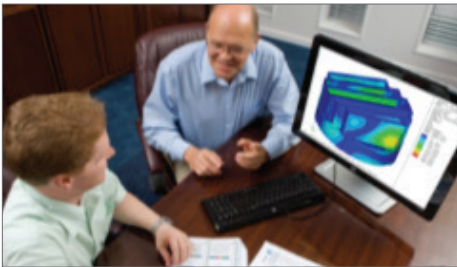
Regulatory, Licensing, and Permitting

- Regulatory framework development
- Requirements management
- Compliance analysis/assessment
- Maintenance/change control
- Codes and standards evaluation
- Licensing documentation



Evaluations, Studies, and Planning

- Site characterization study
- Dose consequence analyses
- Cooling water and grid studies
- Seismic and structural analysis
- Probabilistic risk/safety assessment (PRA/PSA)



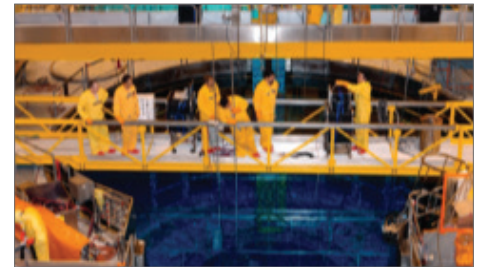
Analysis and Design

- Design of structures, systems, and components
- I&C architecture, cyber security, human factors engineering
- Thermal hydraulic analysis
- Probabilistic risk/safety analysis
- Risk/reliability analysis
- Independent verifications
- Design reviews



Project and Program Development

- Design process and tools
- Configuration management
- Quality assurance program
- Supply chain development and oversight
- Testing program and tool development
- Project management



Testing and O&M

- Construction testing and commissioning planning support
- Test spec and procedure development, assessment, and review
- Refueling outage optimization
- Plant operations procedures
- Online maintenance program
- Digital asset management and O&M optimization with Predix

Flexible, Wide Spectrum of Approaches:



HITACHI

Contact your sales representative or visit us online at nuclear.gepower.com for more information.