



Westinghouse

Westinghouse Update

South Carolina Governor's Nuclear Advisory Council

Agenda

- NRC Update: AP1000 DCD Rev.20
- American Nuclear Supply Chain Loans
- Westinghouse AI-Enabled Deployment
- AP1000 Projects Creating Jobs in South Carolina

AP1000 Plant DCD Revision 20

- The certified design establishes design finality and provides licensing certainty for future AP1000 projects
- Revision 20 aligns the certified AP1000 plant design with the as-built and operating Vogtle Units 3 & 4
- After 5 months, NRC completed its technical review and issued its Safety Evaluation on August 26
- Incorporation into regulations is the final step for Revision 20 to be referenceable

Completion of AP1000 DCD Revision 20 enables fleet-scale deployment of AP1000 power plants



American Nuclear Supply Chain Loans

- On May 23, 2025, the Trump Administration issued four executive orders to spur new nuclear deployment in the US. It specifically called for having 10 large reactors under construction by 2030.
- On June 23, 2026, DOE Office of Energy Dominance Finance (EDF) announced a conditional commitment to obligate funding of \$17.5B for the newly established **American Nuclear Supply Chain Loan Program**. This conditional commitment is still subject to final approval pending finalization of loan agreements and conditions.
- The ANSCL program is an innovative approach to finance early purchase of critical path and long lead item (LLI) components to accelerate new US AP1000 projects.



Westinghouse

HiVE™

A nuclear-specific artificial intelligence system empowered by our proprietary bertha™ generative AI Assistant

- AI capabilities supported by a dedicated team of nuclear engineers and data experts
- Highly secure and compliant data infrastructure and software
- 70 years of proprietary data, knowledge and expertise
- Technology advanced by Westinghouse

Nuclear-Specific AI

bertha™

Generative AI Assistant

- Nuclear-aware generative AI Assistant
- Tuned and trained models, methods and tools
- A nuclear-specific generative AI model named in honor of the first Westinghouse female engineer, Bertha Lamme

Transforming Nuclear with AI

HiVE AI and bertha AI Assistant

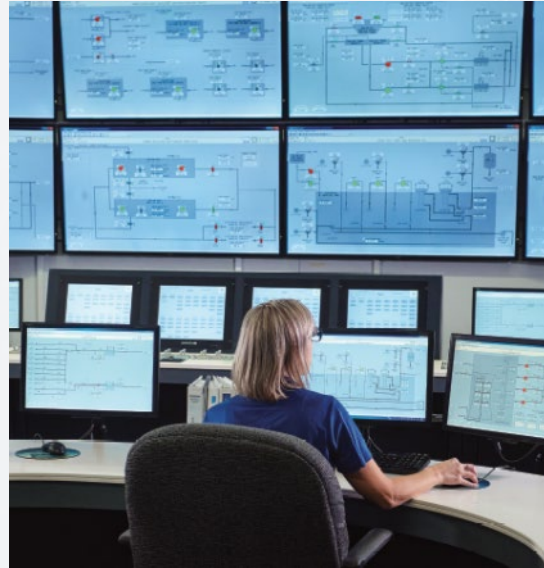
New Nuclear Plants

Reduce Construction Risk
Improve Savings
Shrink Licensing Time and Cost



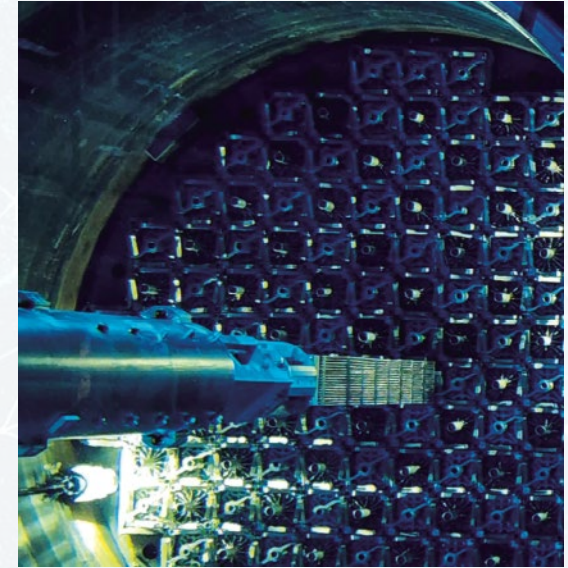
Operating Plant Services

Streamline Processes
Upskill Workforce



Nuclear Fuel

Improve Safety and
Fuel Performance



De-Risking AP1000® Construction with HiVE

Google Cloud



Historically, 60% of the cost of a new AP build is attributable to construction

Potential Economic Impact of a Two-Unit AP1000® Project in South Carolina

During Construction Phase

- 7,300 jobs annually
- \$19.1 billion in U.S. GDP

Annually During Operations: 80+ Years

- 2,700 high-skilled, high-paying jobs
- \$1.6 billion in state GDP
- \$400 million in worker earnings annually
- \$400 million in tax revenue for local governments and communities





Thank You