Blue Ribbon Commission on America's Nuclear Future

Reactor & Fuel Cycle Technology Subcommittee

B&W Nuclear Energy, Inc.

The Babcock & Wilcox Company

Government Operations

B&W Technical Services Group, Inc.

B&W Nuclear Operations Group, Inc.

Power Generation Systems

B&W Power Generation Group, Inc.

B&W Nuclear Energy, Inc.

50+ years of continuous nuclear engineering and manufacturing

12,000 nuclear professionals

Only U.S. company with N-Stamp for NSSS vessel manufacturing

Fabricated >1,100 NSSS components and pressure vessels

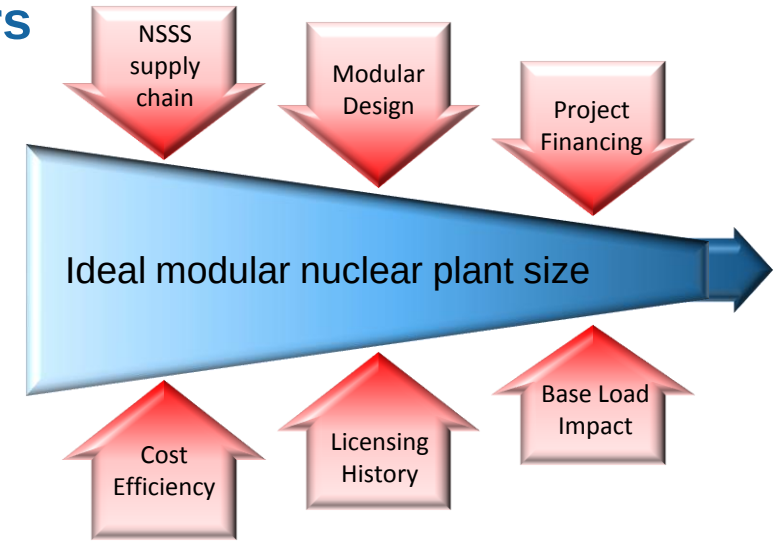
Manufactured approximately 300 steam generators worldwide

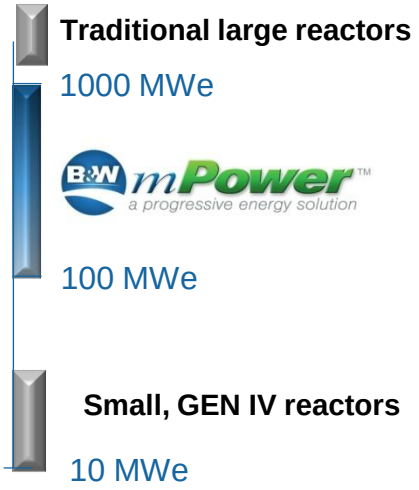
U.S. nuclear manufacturing in Indiana, Ohio, Virginia

A Shifting Nuclear Landscape

Geopolitical Motivators

- Climate Change legislation
- Energy independence
- Strained supply chain
- Field craft labor availability
- Transmission capacity
- Water and land rights
- Tight capital markets





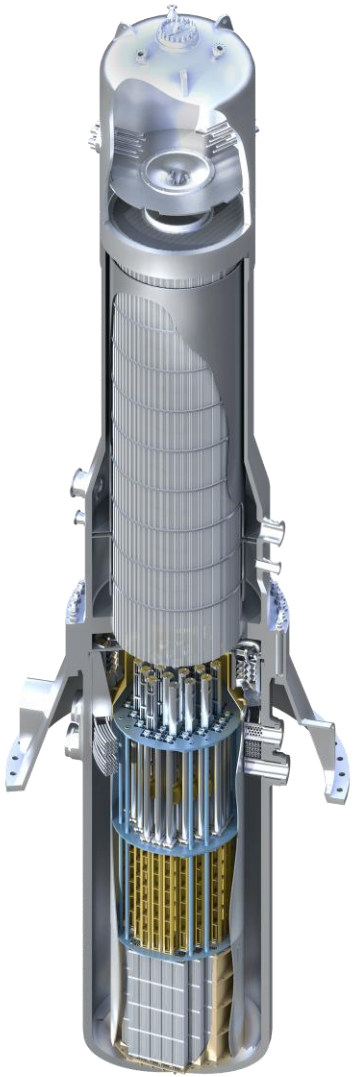
One size does not fit all …

Today's Nuclear New Build Imperatives

- Don't "bet the company" on one project
- Practical, proven technology
- Utilize existing nuclear infrastructure
- "Repower" carbon-intensive facilities
- Incremental power additions

A Generation III++ Reactor

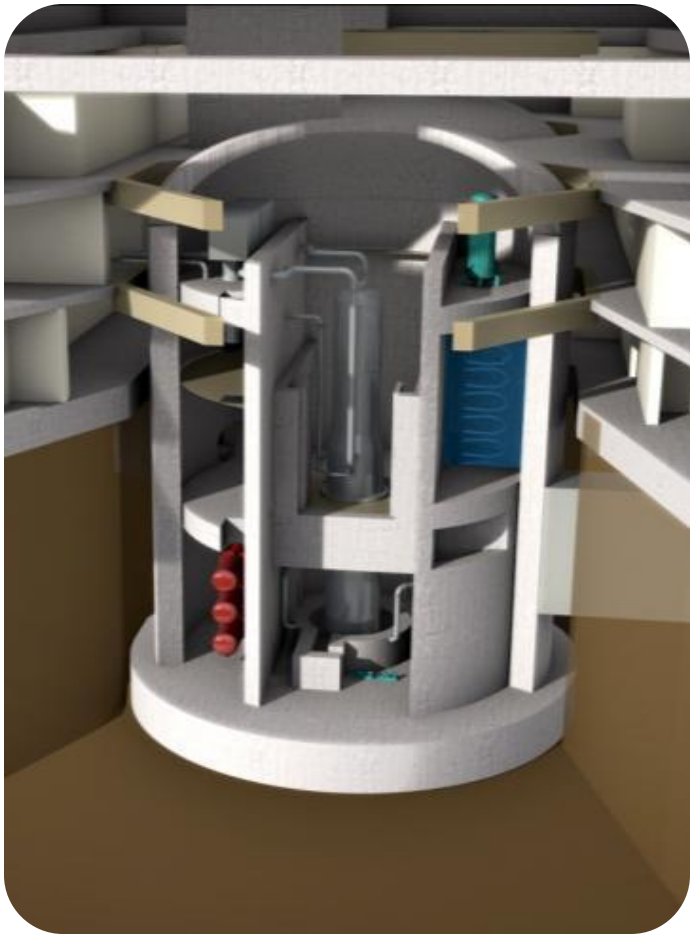
- Integral 125 MWe modular reactor
- Proven Advanced Light Water Reactor technology
- Simple, passively safe design
- Utilizes “industry standard” PWR fuel
- 48+ month operating cycle between refueling
- Flexibility to accommodate advanced fuels
- Built in North America, in B&W factories



B&W mPower
a progressive energy solution

Nuclear Island Features

- Underground nuclear island
- Enhanced security features
- No active core cooling systems
- Passive decay heat removal
- No emergency AC power – batteries only
- Factory-assembled reactor system
- Air-cooled condenser
- Spent fuel storage for 60-year plant life



Simple integrated safety features

The Future of Light Water Reactor Technology

Building on success …

- Exceptional LWR plant performance delivering competitive economics
- Generally strong public support for operating fleet, technology "comfort"
- Ready now to provide low-risk, carbon-free, base-load power
- Emerging options for better deployment economics (SMRs, etc)

A realistic, evolutionary, path forward …

- Industry "mid term" commitment to LWR-based nuclear generation
- Continued reliance on fundamental LWR fuel technology
- Careful adoption of advanced fuels into deployed fleet
- "Long-term" transition to Gen-IV designs, paced by maturity

Clear implications for Federal action …

- Support for near-term SMR deployment
- Long-term accommodation of LWR fuel utilization