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Small Modular Reactors for Poland:

Safe, Economic, Practical, Clean Energy

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Meeting The Energy Industry Challenge

- **Transition electricity generation to cleaner, low carbon power**
  - Balance intermittent sources (wind, solar) with reliable nuclear generation
- **Address environmental and infrastructure constraints**
  - Access to cooling water and power grid connections
  - Plant site locations considering nearby industry and population
- **Accept economic realities and time pressures for change**
  - Very large projects (above € 10B) difficult to finance, high risk
  - Geo-political and resource constraints demand near-term action

SMRs are the near-term clean energy solution

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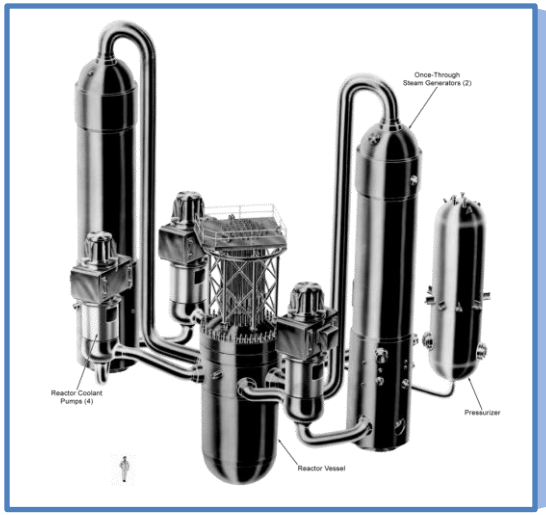
The mPower SMR is the best option for Poland

Traditional 1000 MWe+ PWR

Integral PWR Small Modular Reactor



B&W mPower™

- ✓ **Safer … 100 x better**
- ✓ **Proven … PWR technology**
- ✓ **Economic … 10% of investment**
- ✓ **Flexible … 180MWe reactors**

Same basic technology … better power plant design

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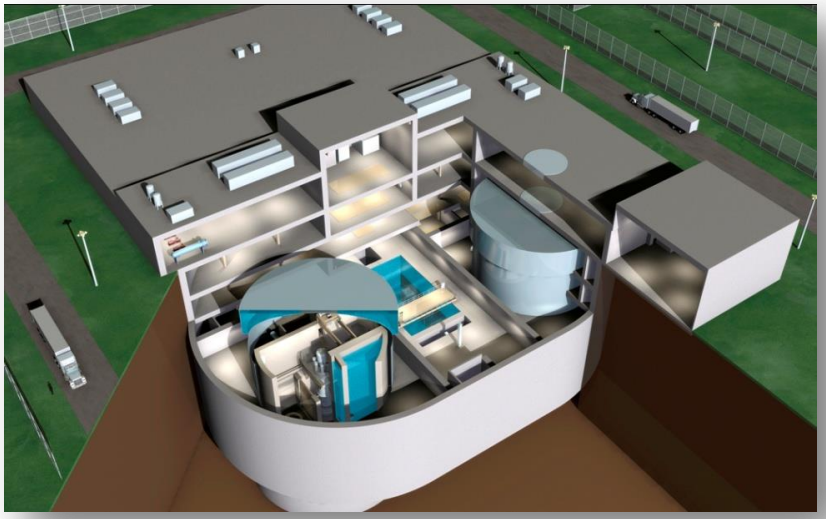
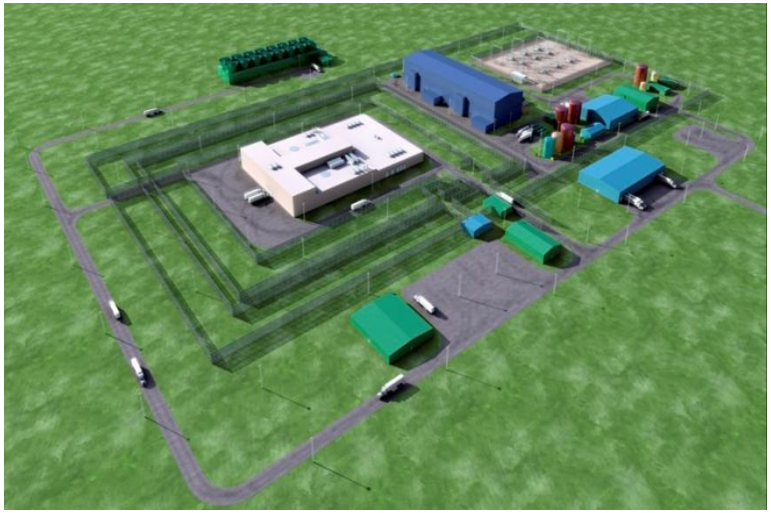
360MWe mPower SMR

mPower Nuclear Island Features



- Factory manufactured reactor module
- Protected underground systems
- Inherent “passive safety” design
- Small operation and maintenance staff

mPower “twin-pack” Site Layout



- 2 x 180MW fully independent units
- Compact <15 hectare site footprint
- Separated Conventional Island
- Emergency zone inside plant boundary

Safety performance and compact size maximize location flexibility

More than a Design … A Complete Testing Program

$100M USD Investment

- Establish design
- Support licensing
- Prepare for operation
- Confirm performance
- Demonstrate reliability

Testing is foundation for low risk, high reliability mPower design

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Progress toward deployment of first mPower Plant

- **Clinch River (TVA) in Tennessee, U.S.**
  - Construction Permit contracted, 2015 Application
  - Site environmental studies in progress
  - Project plant construction complete by 2022
- **U.S. Department of Energy funding for licensing**
  - mPower only winner of competitive award
  - $101M USD already provided to project
- **Simultaneous completion of Design Certification**
  - U.S. NRC Design Certification expected Fall 2017
  - Basis for all other projects, including Poland

First mPower Plant project in progress

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mPower Value Proposition…

1. Safe: Integral reactor design delivers 10^{-8} CDF safety performance
2. Reliable: Based on proven PWR technology, materials, and testing
3. Economic: Approximate € 1.3B project cost can be easily financed
4. Low project risk: Factory manufacturing, 3 year construction schedule
5. Mature: Final U.S. regulatory approval starts in 1 year, ready after 2017
6. Flexible: Small size fits power grid and plant location requirements

Proven technology and affordable economics … ready near-term!