

The Pathway to Global SMR Deployment

1. Market Driver

A surge in energy demand, driven by the expansion of **AI data centers**, creates a need for reliable, carbon-free power.

2. U.S. Government Catalyst

The U.S. government implements supportive policies, such as executive orders and subsidies, directing agencies like the **DOE** and the **NRC** to accelerate SMR development and streamline regulations.

3. 'First-of-a-Kind' (FOAK) Deployment in the U.S.

Initial, prototype SMRs serve as crucial demonstrations of the technology's viability, safety, and operational performance.

4. 'Nth-of-a-Kind' (NOAK) Deployment in the U.S.

With proven technology and achievement of economies of scale by mass production, SMRs see widespread deployment across the United States, becoming a standard component of the nation's energy infrastructure.

Overcoming Regulatory Hurdles

U.S. and partner nations work to harmonize regulatory standards and licensing processes to export SMR technology.

Deployment in Japan & Advanced Nations

Leveraging the mature technology and established best practices from the U.S. experience.

Deployment in Developing Countries

With a proven track record, optimized costs, and a resilient global supply chain, SMRs are deployed.

Japan play leading role of global supply chain and transfer of experience to especially South-East Asian countries.