



Powering a Resilient Energy Future: Developing New Jersey's Energy Workforce in a Changing Landscape



Panel 2: Translating Policy into Adoption – Business, Industry, Utility and Developers' Perspective

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Holtec International: Corporate Profile

- Vertically-Integrated Global Clean Energy & Nuclear Technology Leader
 - ✔ Established in 1986 (New Jersey) / **2,400+ Employees**
 - ✔ Innovative: “A Generation Ahead By Design” / **230+ Patents**
 - ✔ **1.5 million sq. ft of manufacturing space**
- Core Business Areas
 - ✔ Nuclear **Used Fuel** and nuclear waste management
 - ✔ Largest commercial nuclear **Decommissioning & Repowering** company in the US (7 units)
 - ✔ Owner of **Palisades Nuclear Power Plant**, in the process of restarting
 - ✔ Developer of **Clean Energy Technologies** and Small Modular Reactor: **SMR-300**
 - ✔ Designing and **Manufacturing Nuclear Power Plant Equipment, Reactors, Steam Generators & Heat Transfer Equipment in the U.S.**
- Financially strong and capitalized to perform large, long-term projects
- Hold **31** active US NRC issued licenses: 10CFR Parts 50, 71 and 72
- Large and diversified customer base in the US and 16 foreign
 - ✔ **100s active contracts**
 - ✔ **Long-term, stable cash flow** through end-of-plant-life contracts

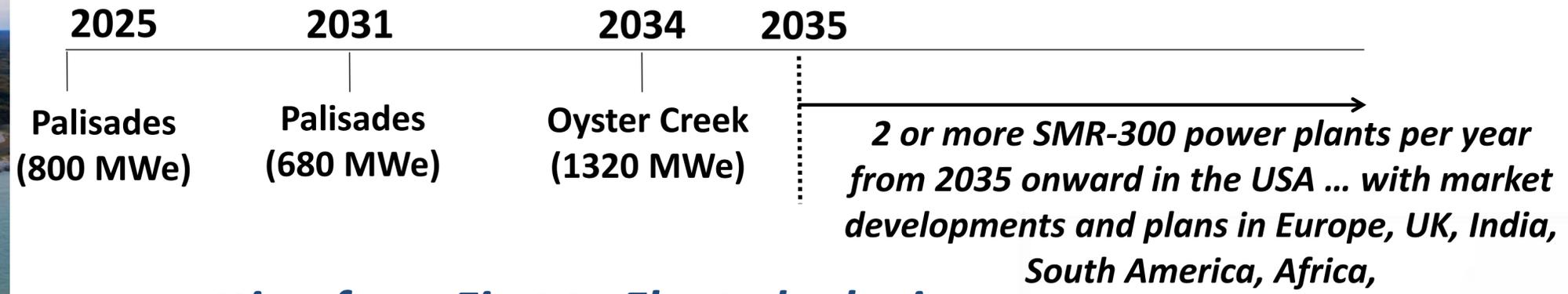


Holtec's Nuclear Power & SMR-300 Project Portfolio



Holtec SMR Project Company

 w Strategic & Financial Partners



...getting from First to Fleet, deploying over 10GWe of Standard SMR-300 power plants in the US by 2042



Palisades LLWR



Palisades SMR-300



Oyster Creek SMR-300



Holtec Nuclear Power Plants, Sites

- ✓ Palisades Power Plant (Covert, Michigan)
- ✓ Oyster Creek Generating Station (Forked River, NJ)
- ✓ Indian Point Energy Center (Buchanan, NY)
- ✓ Pilgrim Nuclear Power Station (Plymouth, MA)

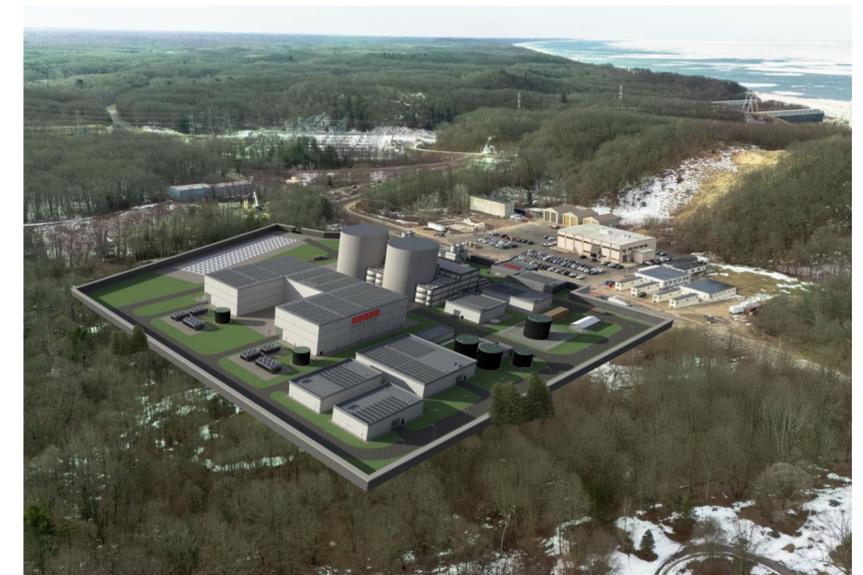
Palisades Nuclear Plant: Reigniting The Nuclear Industry

- Holtec acquired Palisades in June 2022 for decommissioning, but with the support from the state and federal government, decided to restart and operate the plant
 - ✓ The first-ever restart of a shuttered U.S. nuclear plant — Palisades — marking a historic milestone for the industry.
 - ✓ Repowering Palisades has been a catalyst for other utilities seeking to repower retired plants
- Palisades historic restart will add 800MWe of clean energy back into the U.S. Electrical Grid, followed by the First to Fleet, SMR-300

Holtec plans to construct and operate a Standard twin-reactor SMR-300 nuclear power plant at Palisades, leveraging legacy nuclear assets for a next-gen nuclear energy eco-system and catalyst to Local and State economies – a model for SMR-300 fleet operations across US Nuclear Power Plant (NPP) sites.



Palisades Nuclear Power Plant
270-acre facility located on the southern coast of Lake Michigan, acquired by Holtec in 2022 from Entergy



Holtec's Mission 2030
Twin-reactor SMR-300 to be built by 2030/2031

Workforce Development

We develop and deploy trained nuclear industrial workforces for nuclear power plant construction, maintenance and operations

Over 1600 personnel onsite for restart project

- 570 full-time employees
- 40 licensed operators currently with over 70 planned before commercial operation
- With support from Utility Workers Union of America (UWUA) and United Government Security Officers of America (UGSOA), Fifteen (15) unions and trade associations signed onto the Palisades Restart Labor Agreement, demonstrating both the availability and enthusiasm of the necessary technical workforce.



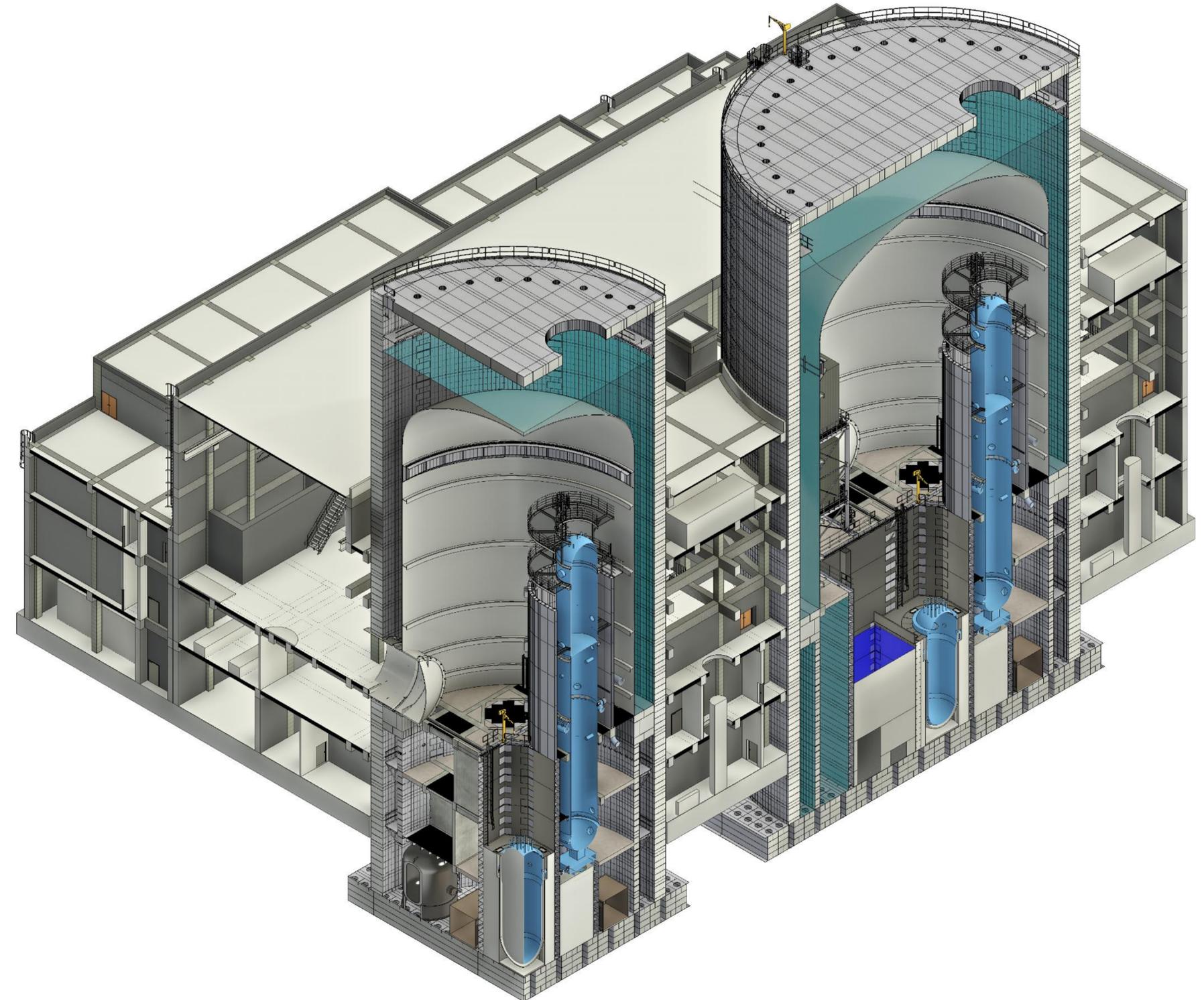
The Palisades SMR-300 project will leverage and build upon the strong foundational workforce assembled for the Palisades Restart Project

Holtec's SMR-300 Technology

| Plant Type | PWR (Proven & Licensable) |
|---|---------------------------|
| Thermal Power | 1050 MWt (nominal) x 2 |
| Electrical Power | 340 MWe (net) x 2 |
| Design Life | 80 years |
| Coolant | Water |
| Primary Circulation, Normal | Pump Driven |
| Primary Circulation, Accident | Gravity |
| Fuel Type | PWR 17x17 (standard) |
| Fuel Cycle | 18 months |
| Dual-Unit Footprint (protected area) | 37 (20) acres |
| Cooling | Wet & Dry Cooling Options |



Standard twin-reactor SMR-300 Configuration



Palisades SMR-300 Project

Holtec will build, own, and operate the FOAK SMR-300 dual-unit Plant at its Palisades Site in Covert, Michigan through commissioning.

Location: Palisades, MI, United States

Capacity: 680MWe/5,600 GWH Annual

Ownership: Holtec with investment partners

Operator: Holtec (Palisades Energy LLC)

Financing: DOE LPO or Private Financing

Offtake: Power Purchase Agreement (PPA)

Commercial Operation Date: 2030/2031

Jobs Creation: 280 Direct Long-term Jobs plus Supply Chain

Work Force: 4,000+ Personnel During Construction (dual-unit plant)

Supply Chain: 1,000's of long-term jobs by local supply chain and tourism



**Palisades SMR-300
Dual-Unit Plant**

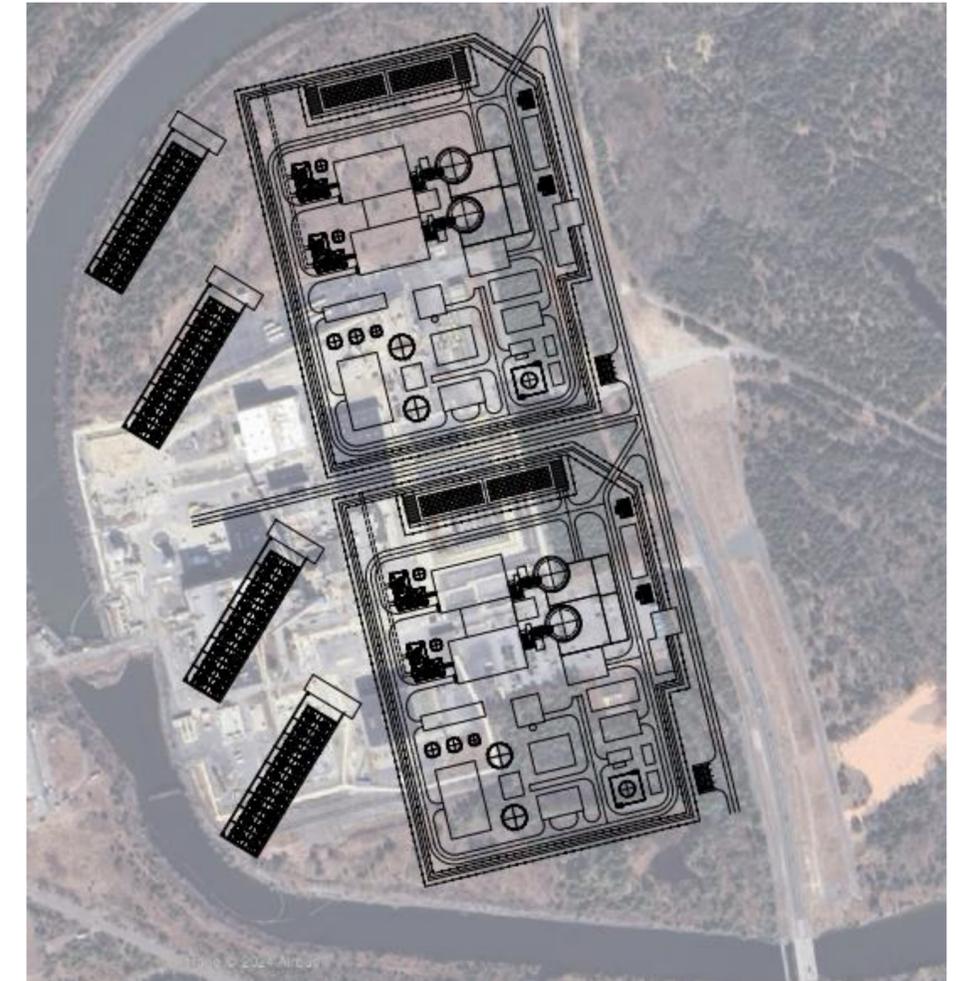
**Palisades NPP
(Restart Project)**

Palisades Site: 270-acres on southern coast of Lake Michigan, acquired by Holtec in 2022 from Entergy

Fast Follow-On Project: Oyster Creek New Jersey



- **Capacity:** 1320 MWe / 10,000 GWH Annual
- **Commercial Operation:** Units 1-2 (2035) / Units 3-4 (2036)
- **Technology:** 2 Standard SMR-300 twin-reactor NPPs
- **Work Force:** 4,000 Blue-collar Construction Jobs sustained over 6 years
- **Direct Job Creation:** 540 Permanent Jobs
- **Supply Chain:** 1,000's of long-term jobs created by local supply chain development.
- **Benefits to the State**
 - Major Infrastructure project that will benefit the State for next 100 years.
 - Job creation (near-term and long-term) through the project.
 - Increase in tax revenue base from SMR-300 project, advanced manufacturing, and industrial tourism to benchmark the NJ Project, which will be the first SMR-300 project on the East Coast.
 - Stability of electricity production in the region to support economic growth.
 - Potential AI data center construction paired with SMR-300 for part of load.
 - Holtec is already seeking Federal support to launch the project.



Oyster Creek Nuclear Generating Station