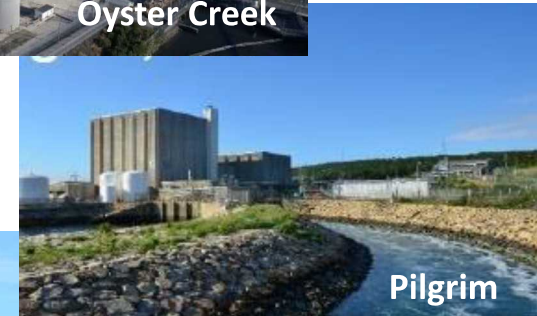
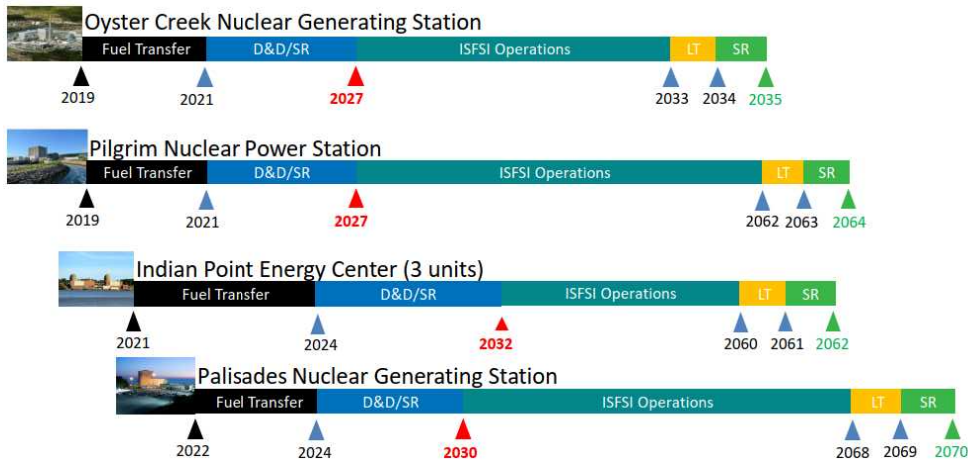


# Decommissioning: Building a Fleet

- Establish, implement & advance industry decommissioning
- Improve safety, cost and efficiency
- Fleet-based approach
- Qualified and experienced personnel
- Procedures & processes
- By accelerating movement of spent fuel into dry cask storage and deploying state-of-the-art technologies, Holtec is well-equipped to decommission nuclear plants decades sooner than if utility owned



# SMR-160... A natural progression in Holtec's technology portfolio started over 10 years ago...

## Heat Transfer Equipment

*Designer and manufacturer of heat transfer equipment with projects in over 35 countries*



Horizontal Steam Generator

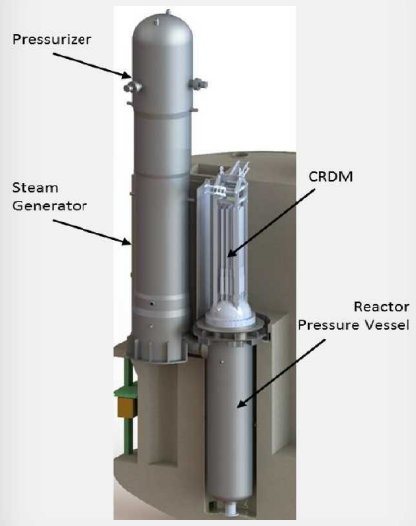


Air Cooled Condensers

**NSSS and BOP Equipment Design**

## SMR-160 (160 MWe)

*Development and licensing of inherently safe and practical to operate SMR based on proven & flexible PWR technology*



**SMR-160**

## Manufacturing, Construction, Site Services

*Three US Manufacturing Facilities and International Site Construction and Site Services Business*



Holtec's Advanced Manufacturing Division



Holtec's Site Services and Site Construction

**Design Input from Manufacturing, Construction, Site Experience**

## Spent Fuel and Waste Management

*Over 40% of the world's commercial spent nuclear fuel is stored using Holtec's technologies*



Nuclear Fuel Storage and Transport



High Capacity Fuel Storage Racks

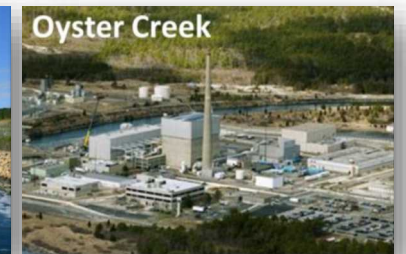
**Fuel Design and Management Expertise**

## Safe, Efficient and Compliant Decommissioning

*Owner and Licensee of Pilgrim, Oyster Creek, Indian Point 1-3 with 8-year decommissioning plans and Palisades acquisition pending in 2022*



Pilgrim



Oyster Creek

**Part 50 License Holder, Public Engagement, Security Services, Waste, NPP Operations**

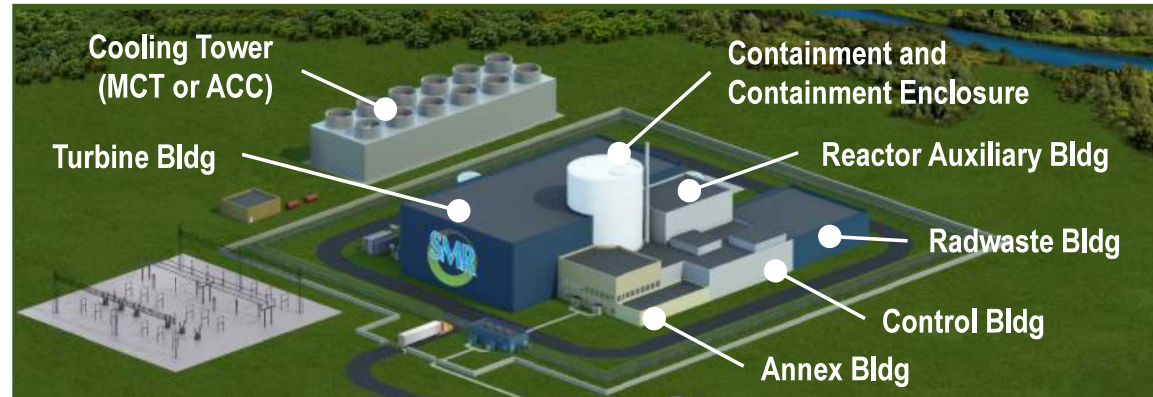


# SMR-160 Plant Technology Overview

- **Safety guaranteed by design** – quantum jump in safety compared to state of art
- **Highly automated** – minimal staff, and no operator actions for design basis events – “Walk-Away Safe” indefinitely
- **Sabotage resistant** – minimal security staffing required w maximum self-protection
- **Proven** design of fuel, materials, components, and available supply chain
- **Consistent Backend Management Strategy**

## Development Program Milestones

- **Candidate design completed '21**
- **USG Support**
  - Grant for Ph. 1 T/H Test Program, completed 4Q21
  - Grant Welding/Prototyping, complete 2Q23
  - Grant for NI detailed design, tests & PSAR, complete 4Q25
- **Standard plant engineering program with HDEC**
- **Major vendors are integrated**
- **SMR-160 FOAK Project:**
  - Location: Oyster Creek, NJ
  - Owner: Holtec and other private investors
  - Operator: Constellation, PSEG, or other qualified nuclear operator familiar with PJM Market



Parameter	Value
Type	PWR
Thermal Power	525 MWth
Electrical Power	160 MWe (net)
Design Life	██████
Moderator	██████
Primary Circulation	Gravity-driven
System Pressure	██████
Fuel Type	17x17 (standard)
Fuel Cycle	2 years
Control	Boron and RCCA

