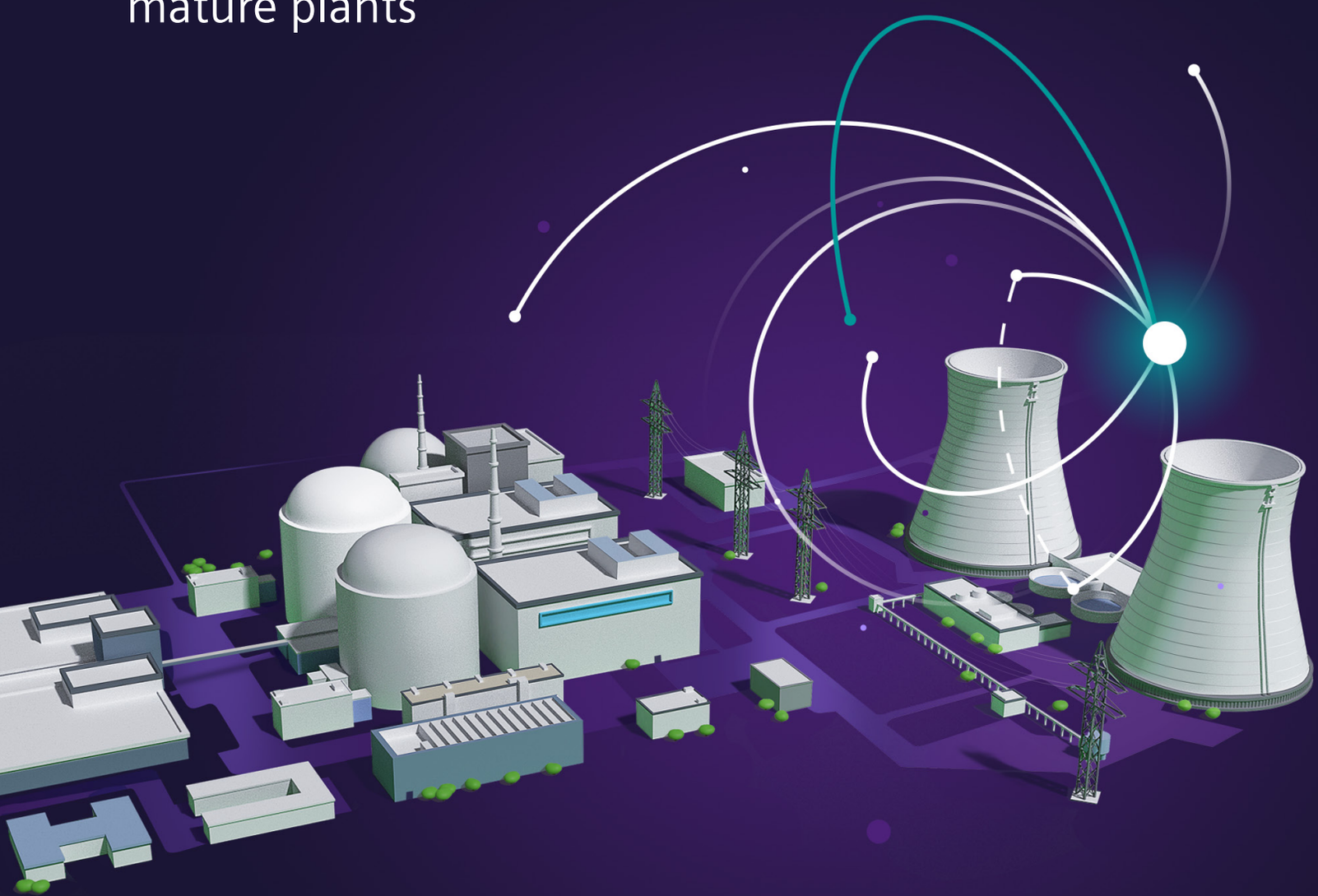
SIEMENS energy

Nuclear Service Alliance

Driving performance and reliability for mature plants

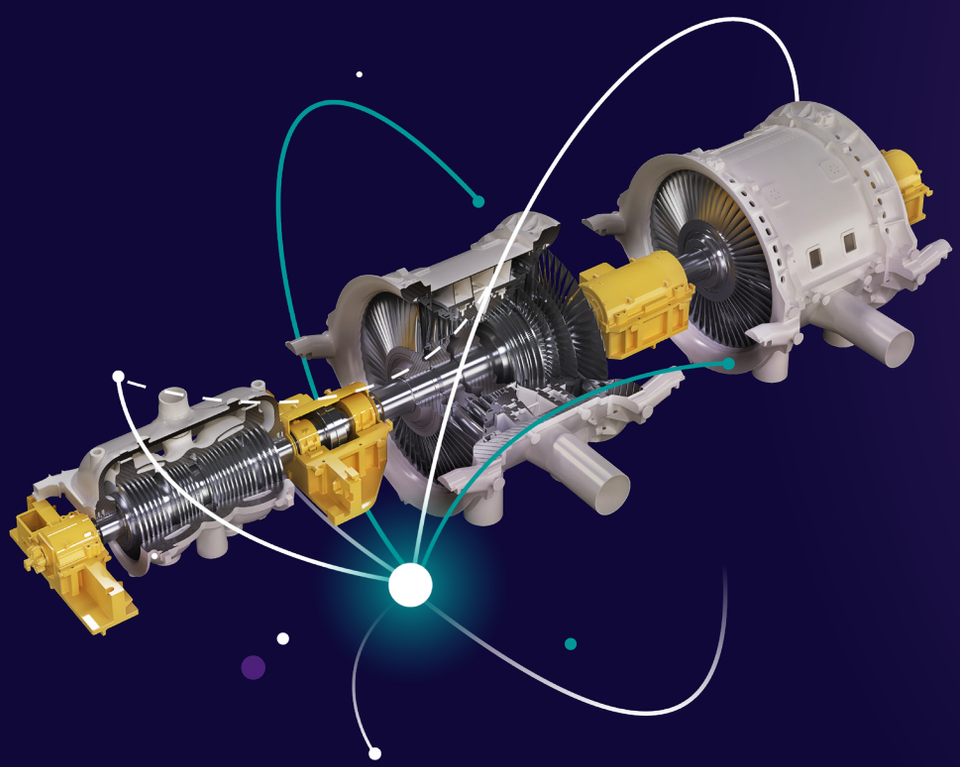


Powering the Future of Nuclear Energy

Precision engineering and reliable solutions

As the global energy sector continues its shift towards decarbonization, nuclear power remains a vital part to achieving net-zero emissions. Siemens Energy is at the forefront of this transformation, supporting both existing nuclear power plants (NPPs) and reactor developers with extensive experience in conventional island technology and power plant design.

One of our strategic approaches is the Service Alliance – a framework designed to help manage outages and long-term maintenance at nuclear facilities. It aims to enhance performance, reliability, and cost-efficiency through integrated planning, execution, and continuous optimization.



The Service Alliance contract described in this brochure is a contract type specifically applicable for the United States and Canada. For long-term service agreements in other regions, please contact your local Siemens Energy Sales representative.



Content

Your success is our top priority.

01 Service Alliance Benefits
Page 04

02 Outage Services and Long-Term Partnerships
Page 05

03 Regional Expertise and Global Reach
Page 07

01 Service Alliance Benefits

To support asset longevity, operational reliability, and outage efficiency

Potential improvements in reliability, safety, and training

Integrated planning and opportunities for cost optimization

Streamlined access to parts, tooling, and services tailored to minimize outage durations

OEM-specific component repairs supported by current engineering data

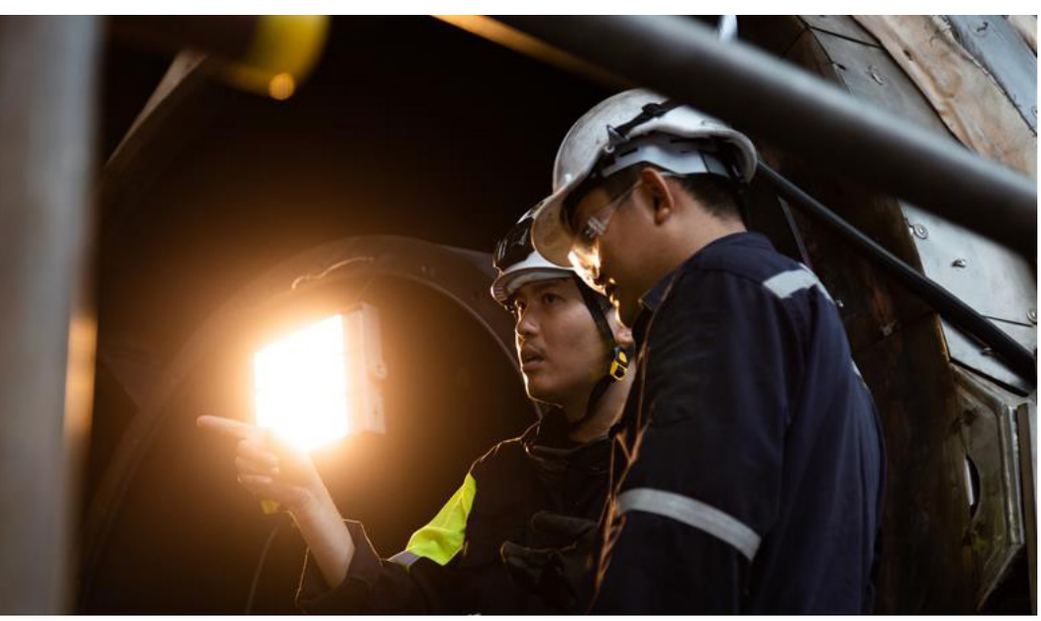
Access to upgrades and Siemens Energy design experience

Support for extended plant life and recovery efficiency losses

Potential to increase power output

Enhanced cybersecurity and operational flexibility

Global expertise complemented by local support



With many nuclear power plant owners aiming to extend operations beyond 80 years, long-term reliability is becoming increasingly important. Regular service and proactive maintenance can play an important role in helping facilities meet the evolving market demands.

02 Outage Services and Long-Term Partnerships

Framework agreements for predictable, high-value maintenance



Through long-term service alliances Siemens Energy typically delivers:

- Dedicated customer support and training
- Performance-based maintenance programs
- Shared risk/reward structures
- Predictable budgeting and cost control
- Full-service inspections and maintenance
- Optimized outage planning and execution

Our long-term service alliances are flexible and tailored to each utility's operational profile, ensuring mutual value creation and sustained performance gains. Our focus is on optimizing outages beyond individual events, considering scope, schedule, resources, and cost.

The implementation plan involves several key components:

Parts and Inventory Management

This facilitates fast access to critical components, reduces on-site stock needs, and enables seamless integration of the latest technology upgrades, helping maximize operational reliability. Periodic unit condition assessments and outage support including planning, labor coordination, and technical oversight are integral to this approach.

Outage Support Services

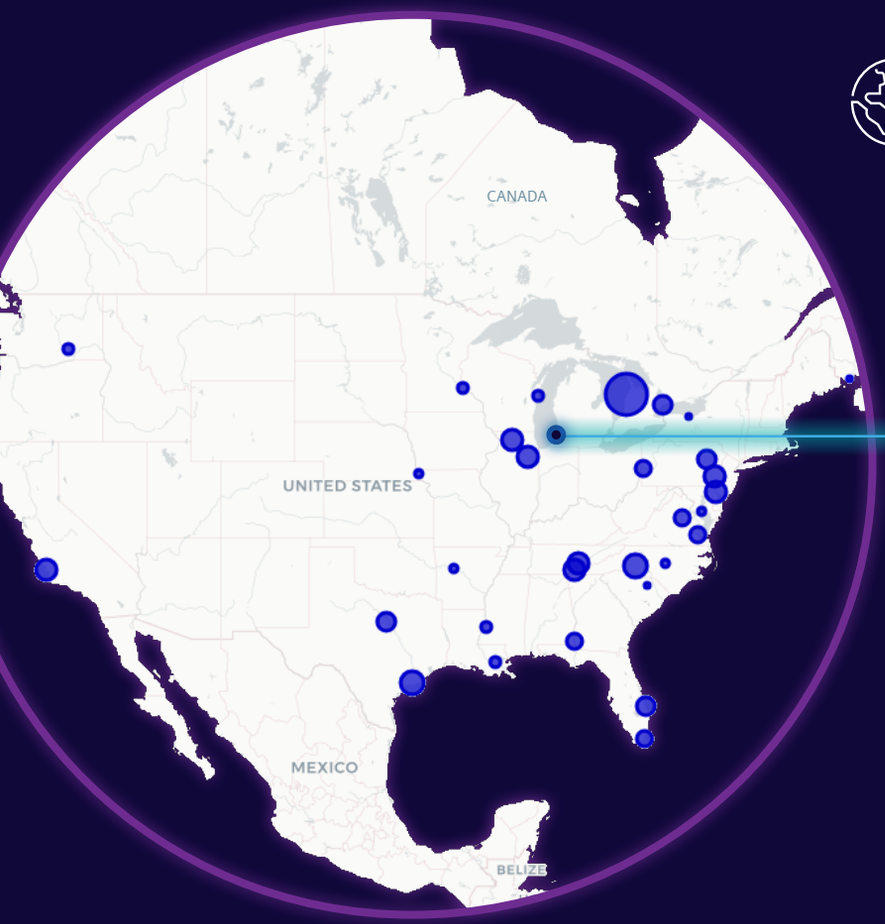
This provides end-to-end outage support, from pre-outage planning and parts provisioning to on-site outage implementation, safety implementation, and post-outage reporting. It also encompasses activities such as supporting compliance with standards and regulations, coordinating logistics, preparing critical procedures, selecting subcontractors, reviewing outage performance, and supporting predictive and preventive maintenance. The process follows a structured pre-planning cycle, ensuring readiness, risk mitigation, and is in alignment with our customer goals.

Project Management and Planning Services

This involves developing strategic maintenance programs, representing the site, maintaining compliance procedures, managing quality and performance systems, and serving as the central point of contact for emergency and operational issue resolution.



03 Regional Expertise and Global Reach



Spotlight on US and Canada

Recommissioning the Palisades nuclear power plant

Siemens Energy, in partnership with Holtec International, is leading the historic recommissioning of the Palisades Nuclear Power Plant in Michigan, US. Originally shut down in 2022, the plant is being brought back online to meet rising clean energy demands and reinforce national energy security.

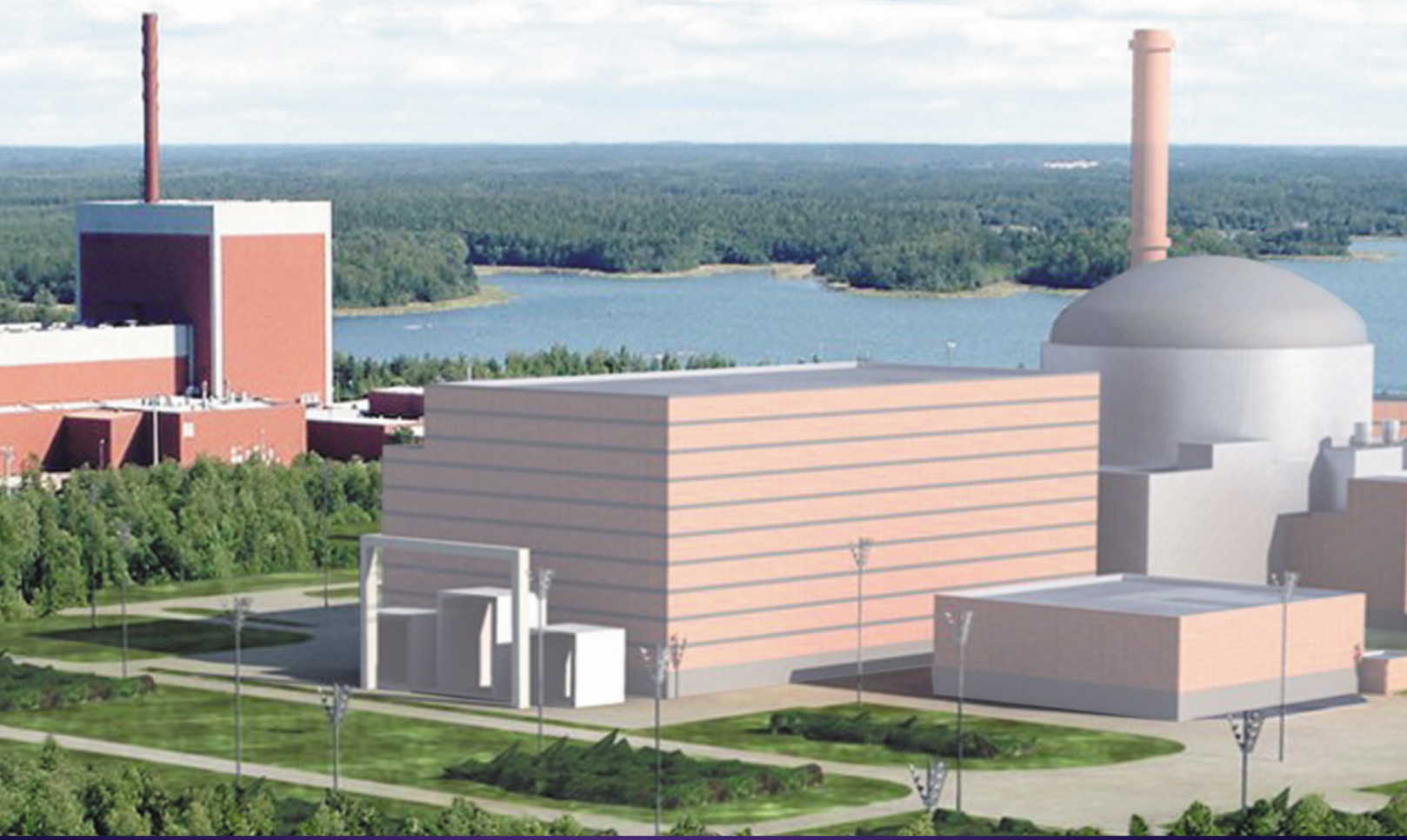
Scan or click the QR code to dive deeper.

Committed to Next-Generation NPPs

Siemens Energy is dedicated to making the next generation of nuclear power plants a success. Our specialized expertise in conventional island technology, advanced diagnostics, innovative repair solutions, and efficient scheduling supports the highest standards of safety, reliability, and efficiency. This capability is built on the strong nuclear heritage of Siemens KWU, Westinghouse, and Parson's technology, ensuring trusted solutions backed by decades of experience.

Over 50 years of experience worldwide

With over **150** nuclear steam turbine modernizations worldwide and operational I&C systems in approximately **23%** of the global nuclear power plants, Siemens Energy has demonstrated solid global impact, performance excellence and unmatched expertise to every partnership.



Ready to start?

Together, we can make a difference on the road to decarbonization. Contact your local Siemens Energy Representative to learn more.

Visit our Customer Energy Portal cep.siemens-energy.com or our webpage siemens-energy.com, or siemens-energy.com/steam-turbines-for-nuclear-power.

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