

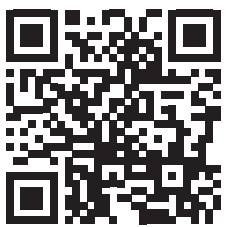


New Nuclear Construction

Outage and Maintenance Products and Services

For more information:

Scan the QR code below to visit our website.



Curtiss-Wright offers a comprehensive range of products and services that support commercial nuclear power plants. Our advanced technologies and innovative solutions have been used in civilian operating nuclear power plants for over 55 years, sustaining the safe and reliable operation of these plants throughout the world. We continuously provide technologies and experience in support of aging equipment management/ replacement, as well as offer proactive solutions to critical plant issues.

Our accumulated expertise in nuclear power plant operations enables us to supply custom-designed outage and maintenance equipment using proven technologies. Our products are designed to improve safety and reduce critical path outage time and associated radiation exposure to help you achieve your ALARA objectives. We provide value to our customers by improving critical path outage time, equipment reliability and improving worker and nuclear safety while reducing personnel radiation exposure. Above all, our products are designed with you and your plant's requirements in mind.

Our Quality Assurance programs, in conformance with 10CFR50 Appendix B and NQA-1, demonstrate Curtiss-Wright's commitment to complying with industry regulations, codes, and standards for providing reliable products and services. Our audited quality programs have been accepted for design, product fabrication, off-site maintenance, and on-site field services.

We use our extensive experience to provide effective neutron absorber product solutions and service offerings including in-situ and laboratory testing of neutron absorber material as well as criticality safety analyses, radiation transport, and neutron shielding calculations.

Our NDE experts deliver the latest procedures, program support and services to help ensure safe operation, equipment reliability and compliance with industry and regulatory codes and standards, and our remote data center offers a cost-effective and efficient approach to eddy current data analysis. We have a successful four-decade history of providing NDE services, most notably the delivery of fully encoded Phased Array Ultrasonic Testing of piping and components.

Products and Services

Curtiss-Wright has always been in the forefront of using leading-edge technologies to improve the safety and operation of all nuclear facilities. Innovation is one component of a continuous improvement cycle aimed at enhancing existing solutions and creating real technological breakthroughs for new market opportunities. Curtiss-Wright seeks to be an “evolutionary” provider of products and services by engaging our customers to expand on proven technologies.

Our established Innovation Team observes the performance of plant outages to determine what proven technologies can be used to streamline various maintenance, refueling and reactor disassembly/ reassembly tasks. Our innovation process is also used to continuously improve our internal workflow and processes and service executions.

Reactor Servicing Equipment

- Reactor Assembly/Disassembly
- Reactor Internals Handling
- Heavy Lifting Strongbacks
- Remote Handling Grapples
- Long Reach Poles and Tools
- RPV Closure Component Handling and Storage
- Platforms and Bridges
- Temporary Reactor Head

BWR CRD Maintenance Equipment

- Removal and Replacement
- Refurbishment Tools
- Shipping Containers
- Storage Racks
- HCU Maintenance
- Undervessel I&C
- Training Mockups

Fuel Management

- Neutron Absorber Products
- Control Rod and Element Assemblies
- New and Spent Fuel Racks
- In-Situ Spent Fuel Rack Testing
- Coupon Testing
- Surveillance Programs
- Material Qualification
- Fuel Transfer Tube Quick Closures

Plugs and Seals

- RPV Inlet/Outlet Nozzle Plugs
- Recirculation Outlet Nozzle Plugs
- Drywell Vent Plugs
- In-Core Instrumentation Plugs
- Inspection Port (Sandbox) Covers
- Nuclear Instrumentation Port Covers
- RPV Drain Line Plugs
- RPV Stud Covers
- RPV Stud Hole Plugs
- Segmented Reactor Cavity Seals

Steam Generator (SG) Servicing Equipment

- Nozzle Dams
- Nozzle Dam Support Consoles
- Nozzle Dam Storage Cabinets
- Manway Cover Handling Devices
- Manway Diaphragm Roller Sets
- Manway Flange Protectors
- Radiation Shield Doors
- Quick Bolts
- Multi-Stud Tensioning Systems
- Single-Stud Tensioning Systems
- Stud Elongation Measurement Devices
- HydraNuts
- Studs, Nuts, Spherical Washers
- Fastener Cleaners
- FME Covers
- Zero Entry Nozzle Covers
- Channel Head/Manway Mock-Ups

Mobile Unmanned Systems

- Unmanned Aerial Systems (UAS)
- Unmanned Ground Vehicles (UGV)
- Submersibles
- Payloads and Sensors
- Data Management Software

Specialty Equipment

- Specialty Shielding
- Fuel and Waste Handling
- Rigging
- Dry Cask Storage Support

Nondestructive Testing Applications

- ASME NDE Program Development and Review
- Technique and Procedure Development and Qualification
- NDE Personnel Qualification and Certification Training
- Pre-Service and In-Service NDE
- Phased Array Ultrasonic Testing (PAUT)
- Fully Encoded PAUT Delivery Systems
- Balance of Plant (BOP) and FAC NDE
- BOP Eddy Current Testing
- Eddy Current Testing Independent Data Analysis
- Data Acquisition/Management
- Remote Data Center

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