



Engineered Products

for Nuclear Plant Maintenance

- Steam Generator Servicing Equipment
- Reactor Servicing Equipment
- BWR CRD Undervessel Maintenance Equipment
- Plugs and Seals
- Fuel Management Products and Services
- Mobile Unmanned Systems
- Heavy Lifting Equipment

Think of Curtiss-Wright as specialists in problem solving, with a highly experienced staff of engineers and designers.

Our accumulated expertise in remote and nuclear plant operations enables us to supply innovative, custom-designed outage and maintenance equipment. Above all, our products are designed with you and your plant in mind. Our equipment is characterized by and designed with:

- High quality workmanship
- Dependability
- Ease of installation
- Minimal plant modification requirements
- Ease of decontamination
- Part availability
- Minimal maintenance requirements

Our products are designed to reduce critical path outage time and associated radiation exposure in a wide range of plant outage and maintenance activities, thereby helping you meet your ALARA objectives.

Support Services

Besides offering installation services on all of our products, we also provide operation support and stand-by services during plant outages. Our support services are tailored to your particular needs, from providing only technical supervision to mobilizing a complete team for turnkey installation.

Mobile Unmanned Systems (MUS)

We have developed partnerships with companies that supply unmanned aerial drones, ground vehicles and submersibles which we now offer to the nuclear industry. These MUS keep workers out of hazardous environments while supporting plant inspections, maintenance and other use cases thereby reducing costs, improving safety and saving time.

Products

Above Vessel Reactor Servicing Equipment

- Blade Guides
- CEA Handling Tool
- Control Rod Blade/Fuel Support Piece Grapples
- Control Rod Blade/Blade Guide Storage Racks
- Drywell Head Alignment Pins
- Fuel Channel Handling Tool
- ICI Cutting and Withdrawal Tools
- LPRM Bending Tool
- Multiple Instrument Dry Tube Strongback
- Multiple Instrument Storage Container
- Neutron Source Retrieval Tool
- Radiation Shield and Strongback
- RCCA Handling Tool
- Reactor Disassembly/Wet Lift Tooling
- Reactor Head Tensioner Carousel/Strongback
- Refuel Floor Auxiliary Bridge
- RPV Head O-Ring Storage Container
- RPV Closure Component Storage Rack
- RPV Service Platform
- RPV Stud Lifting Devices
- RPV Stud Storage Racks
- RPV Stud Racks
- RPV Segmented Guide Pins
- Shroud Head Bolt Wrench
- Temporary Reactor Head/Cover

BWR CRD Undervessel Maintenance Equipment

- CRD Exchange/Rebuild Tools
- CRD Handling System
- CRD Shipping Containers
- CRD Storage Racks
- HCU Water Accumulator Handling Cart
- IRM/SRM/LPRM Insertion Tools
- TIP Tubing Quick Disconnect Modification
- Undervessel Mock-Up
- Undervessel Platform Upgrade

Mobile Unmanned Systems

- Unmanned Aerial Systems (UAS)
- Unmanned Ground Vehicles (UGV)
- Submersibles

Fuel Management

- Criticality Analysis Software
- NETCO BADGER Equipment
- NETCO Pinserts
- NETCO SNAP-IN® Inserts
- Advanced Reactor Control Rods
- Neutron Absorber Panels

Plugs and Seals

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

Steam Generator (SG) Servicing Equipment

- Channel Head/Manway Mock-up
- Fastener Cleaner
- FME Covers
- HydraNuts
- Manway Cover Handling Devices
- Manway Diaphragm Roller Set
- Manway Flange Protector
- Manway Multi-stud Tensioning Systems
- Nozzle Dams
- Nozzle Dam Analog and Digital Support Consoles
- Nozzle Dam Storage Cabinets
- Quick Bolts
- Radiation Shield Doors
- Single-Stud Tensioning Systems
- Stud Elongation Measurement Devices
- Studs, Nuts, Spherical Washers
- Zero Entry Nozzle Covers
- Zero Entry Nozzle Dams

Specialty Equipment and Services

- Cask Service Platform
- Dry Cask Storage/ISFSI Specialty Equipment
- Fuel Transfer Tube Quick Closure Modifications
- Quick Bolts
- RPV Bio-Shield Doors
- Sacrificial Shield Wall Door Handling Tool Sets
- Heavy Lift Strongbacks

Services

Spent Fuel Management

- BADGER Testing
- Criticality Analyses
- NETCO SNAP-IN® Insert Installation
- Neutron Absorber Qualification Testing
- Surveillance Coupon Programs and Testing

Outage Maintenance

- BWR CRD Exchange
- BWR CRD Rebuild (on-site and off-site)
- BWR I&C Maintenance
- HCU Maintenance
- HydraNut Support and Installation
- LLRT/ILRT Services
- Plug and Seal Installation and Removal
- Product Installation and Training
- SG Closure Services
- SG Nozzle Dam Installation and Removal
- SG Nozzle Dam Refurbishment
- TIP Tubing Quick Disconnect Upgrades
- Snubber Testing and Refurbishment

Innovation

- Innovation Cooperatives
- Outage Optimization Walk-downs

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