



Obsolescence Solutions

Reverse Engineering and Refurbishment for CANDU Reactors

Obsolescence Strategies

Curtiss-Wright offers a range of methods to address obsolescence, each tailored to align with the complexity of the application, operational requirements, and the desired end result. Our capabilities include:

- **Supply Chain**
 - Surplus
 - Special Manufacturing Runs
- **Maintenance**
 - Rebuild/Repair
 - Cannibalization
- **Engineering**
 - Substitution
 - Reverse Engineering
 - Design Change

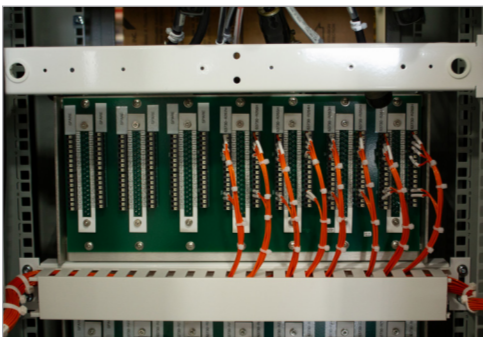
With over 50 years of experience in the nuclear power industry, Curtiss-Wright has a strong understanding of the obsolescence challenges impacting CANDU reactors. Our catalogue of more than 10,000 proven obsolescence solutions, combined with our commitment to **Life of the Plant** support, ensures long-term, reliable service for the industry. This commitment paired with our knowledge of technology development and expertise in dedication, procurement, and qualification strengthens our ability to deliver innovative solutions to meet the needs of the Canadian nuclear fleet.

Obsolescence Services

Serving both safety-related and commercial applications, Curtiss-Wright provides complete obsolescence solutions for a wide range of mechanical, electrical, and electronic components. Whether it's manufacturing an exact replica to meet OEM specifications or restoring devices to early-life performance through refurbishment, our cost-effective solutions are backed by extensive engineering resources. All replacement components strictly adhere to the fit, form, and function of the original.

Typical Project Scope

Generally, when an obsolete component or system is needed, reverse engineering of the installed configuration is required. In such cases, the project scope generally includes sourcing a commercially available replacement, reverse engineering the product, conducting an Environmental Stress Screening (ESS) test, and seismic qualification through the EPRI SQRSTS program, if applicable.



Key Capabilities

- Reverse Engineered Items
- Research and Development
- Service Agreements
- Complete Obsolescence Solutions
- Rapid Prototyping Solutions, Procurement through partnerships established over 50+ years of experience
- Become the Manufacturer of Record through the application of Commercial Grade Dedication activities
- Pressure Boundary Registration
- Complete suite of qualification activities including seismic and equipment qualification
- Canadian, Ontario content

EPRI SQRSTS Seismic Testing Program

Obsolescence solutions may be seismically qualified through the EPRI SQRSTS program. Curtiss-Wright has managed EPRI's SQRSTS program since it started in 1992. The program enables members to share seismic testing costs and data, increasing the overall efficiency of seismic testing. All members have access to a growing database that contains records and reports on over 3,500 seismically qualified items.

RAPID

Curtiss-Wright's Readily Accessible Parts Information Directory (RAPID) database pools the inventories of its members to create a virtual warehouse containing millions of parts. With a database for in-stock and surplus inventory for power and process plants, supplier catalogs, and the Obsolete Item Replacement Database (OIRD), RAPID is the most efficient system for sourcing, selling, and purchasing spare and repair parts.

Implementation

Curtiss-Wright favors a traditional, reassuring approach to providing solutions. All obsolescence inquiries will be handled with care by trusted representatives who will guide you through every step of the process. Please reach out to obsolescence@curtisswright.com to start the process.

For More Information

Scan the QR code below to contact our team.



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