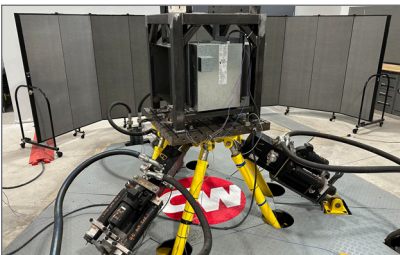


## Curtiss-Wright Newmarket Facility

Capabilities for New Nuclear Construction



**Curtiss-Wright's Newmarket facility provides specialized project management, equipment qualification, and commercial grade dedication services to the Canadian Nuclear Market and the international fleet of CANDU utilities. Curtiss-Wright operates out of a dedicated facility in Newmarket, Ontario equipped with advanced testing equipment and lab space.**

As the nuclear industry enters a new era, Curtiss-Wright brings the experience, technical knowledge, and precise execution needed to deliver solutions that support safe operations and regulatory compliance. Our work supports not only today's operating fleet, but also the innovations that will define the Canadian Nuclear Market's future. We are committed to powering that future, and Curtiss-Wright remains ready and equipped to meet the evolving demands of Advanced Reactors and Small Modular Reactors.



### Products and Services

With a team of highly experienced professionals and advanced equipment, Curtiss-Wright delivers environmentally qualified nuclear systems and hardware solutions. From extending the life of operating CANDU reactors to supporting the deployment of next generation designs, our technologies advance the safe, reliable, and cost-effective generation of electricity for Canadians. Our robust Quality Assurance Program is NUPIC Audited and fully compliant with CSA N299.1-20116 and 10CFR50 Appendix B requirements for Canada and the United States.



### For More Information

Scan the QR code below to contact our team.



## Solution Offerings

### Equipment Qualification

Curtiss-Wright is fully equipped to perform in-house testing of components and assemblies critical to the Canadian nuclear industry. We offer a comprehensive set of equipment qualification capabilities for harsh and mild environments, seismic testing and analysis, thermal and mechanical aging, radiation, and EMI/EMC testing.

### Seismic Qualification

Our seismic testing services cover everything from developing test procedures to specialized test specimen fixturing and monitoring, and customized reporting. As a testing facility for the EPRI SQRSTS Program, we offer industry-recognized seismic qualification at no cost to EPRI members. We also offer combined seismic testing and analysis options.

### Environmental Qualification

Our in-house Environmental Qualification (EQ) Testing and Functional Analysis services simulate a range of harsh and mild conditions, including Loss of Coolant Accident (LOCA) scenarios. The result of our comprehensive EQ analyses provide actionable recommendations for a full range of inspections to assure safety-related equipment and support systems maintain optimal performance under demanding environmental conditions.

### Software Qualification

We qualify pre-developed software intended for Category II and III safety-related instrumentation and control systems, following CSA N290.14 standards. This includes software that is configurable through interconnected and predefined function blocks.

### Commercial Grade Dedication

Leveraging extensive historical data and industry expertise, Curtiss-Wright qualifies commercial grade items for safety-related applications in CANDU reactors. Our rigorous dedication process includes a detailed technical evaluation, definition of critical characteristics (based on safety function) and acceptance criteria.

### Containment Solutions

In collaboration with your team, Curtiss-Wright can design, engineer, and fabricate airlocks, specialty doors and barriers, and fuel transfer gates for new nuclear applications.

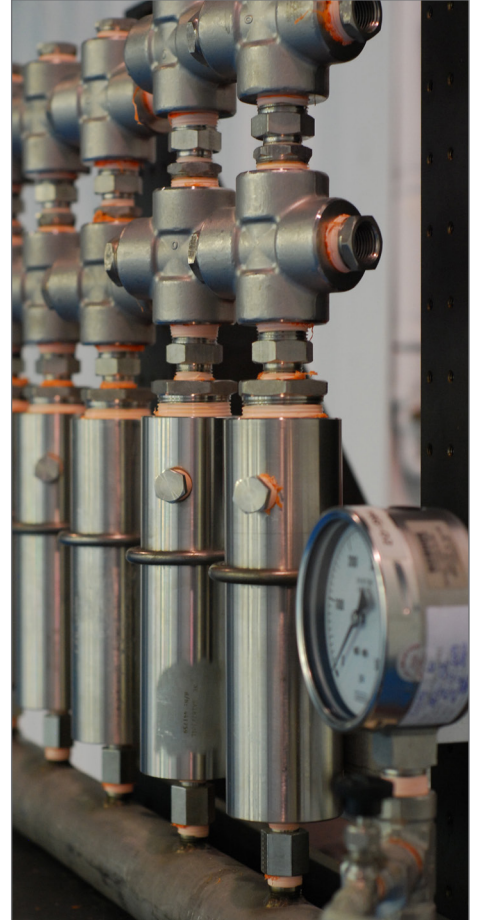
### Pressure Boundary Engineered Components

We design, certify, register, and qualify pressure boundary pumps and fittings. Our portfolio of conductivity cells and holders are manufactured in-house and are designed to meet the stringent demands of safety-critical systems. We are certified by TSSA to CSA N285 and CSA B51 for fabrication of welded and non-welded components.

### Project Management

Curtiss-Wright partners with leading manufacturers to upgrade commercial products for safety-related applications. Our experienced project managers are able to execute complex projects by providing qualified turnkey solutions such as:

- EMF Pre-Fabricated Electrical Powerhouse
- Custom Electrical Equipment Panels
- HVAC, Safety-Related Chillers
- HVAC Systems
- Motor Control Centers (MCC)



## Curtiss-Wright Newmarket Facility Capabilities

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