



KINECTRICS

a **BWX** company

CANDU-6 Services

Supporting all Stages of the Generation Lifecycle





Why Us?

Decades of CANDU-6 operational experience in the areas of:

- Nuclear Safety
- Reactor Physics
- Operation
- Systems Engineering
- Design Engineering
- Environmental Qualification



Our People & Facilities

Our team has significant design experience to support CANDU-6 modifications, maintenance, and inspections. We have over 400,000 square feet of CNSC-approved and licensed specialized facilities.



Industry Leading Expertise

Our team of experts supports a variety of regulatory committees for the nuclear energy industry and helps to define the requirements used within each stage of the electricity lifecycle.



Quick turnaround

We are nimble company that works efficiently and regularly adheres to specifications of electric and nuclear power projects. We ensure the safe, reliable, and effective performance of utility assets from start to finish.



Solutions at Every Stage of the Lifecycle:

We have the specialized laboratories and nuclear experts needed to support all aspects of the supply and management of CANDU-6 nuclear components and systems. This includes meeting special performance and quality standards to ensure their safe, on-going operation.

Empowering a World with **Clean Energy** from Start to Finish

> **Operations and Outages**

- Operations training and procedures.
- Operational nuclear safety and reactor physics support.
- Systems engineering support.
- Support for outage planning, management and execution.

> **Asset Management and Maintenance**

- Fuel channel inspection, integral to a suite of outage services, encompassing steam generator and feeder inspections, fuel monitoring, and tailored maintenance.
- Innovative solutions to optimize inspection and minimize maintenance, while ensuring the safe, cost-effective, and reliable operation of assets, that will maximize the life of CANDU-6 stations.
- Multi-disciplinary teams that work collaboratively, with extensive experience in configuration management and component replacement.

> **Modification and Improvements**

- Decontamination & refurbishment, supported by comprehensive radiation protection, specialized facilities, and sanctioned waste disposal to prevent contamination.
- In-house process, design, fabrication, testing and regulatory approval management.
- Holistic outcomes to ensure compliant, efficient refurbishment services for optimal results.

> **Decommissioning & Waste Management**

- Sustainable material management, ensuring that end-of-life materials are managed safely and cost-effectively.
- Experience and technology to support the entire project lifecycle, from planning to site restoration.
- Comprehensive solutions for tritium and heavy water, from problem-solving to equipment design and isotope management.

> **New Build**

- Strategic partnerships with utilities and technology developers.
- Ability to custom design and build facilities for testing new systems.
- Local and global deployment assistance.



Let's work together!

Contact us to learn more about our CANDU 6 solutions.

Powering innovative
and sustainable energy
solutions globally.

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