



Kinectrics' Nuclear Newsletter – Spring 2021

Innovation Corner: Teeswater Laundry Facility Grand Opening



Bruce Power and Kinectrics celebrated the grand opening of Kinectrics' fully operational laundry facility in Teeswater, Ontario on March 26th, 2021. The 40,000 square-foot facility now launders personal protective equipment (PPE) from Bruce Power and has sufficient capacity to service the CANDU fleet in Ontario and beyond, using highly-automated, environmentally-sensitive equipment.

Kinectrics employs more than 40 people at its Teeswater location and will likely increase employment over the next few years. Kinectrics designed and constructed the facility in 2019/2020 and have engineered it to have the lowest impact on the environment and local utilities using laundry water recycling systems engineered to recycle up to 80-90 per cent of all laundry water.

The Kinectrics Laundry Facility has been designed with the following in mind:

- Preservation of the environment
- Working at optimum efficiency with emphasis on the safety of our employees
- The safety of our customers who wear our laundered products

[Learn more.](#)

Kinectrics Expands Nuclear PPE Capability

Kinectrics is pleased to announce the acquisition of all Titan Safety Ltd's assets associated with the manufacture of Nuclear PPE. Titan Safety Ltd has been the manufacturer of specialized nuclear protective wear, including launderable products like the MK3B plastic suits for over twenty years and has best in class quality.



This asset acquisition will enable Kinectrics to offer an expanded, unparalleled level of support to help clients streamline procurement, delivery, laundering of plastic suits and all other launderable and disposable Nuclear PPE products. Kinectrics and Titan Safety Products Ltd are committed to ensure clients experience a seamless transition and provide a secure, and long-term supply of the highest quality plastic suits for the Canadian Nuclear Industry. Located adjacent to the Kinectrics Teeswater Laundry Facility, the manufacturing facility will create local jobs and support sustainable growth of the business in Ontario. [Read more.](#)

Kinectrics' Virtual World – Tritium Lab



Kinectrics has extensive capabilities in tritium handling and tritiated waste management and has the expertise to recover tritium or carbon-14 from the products of combustion – for example, by electrolysis and hydrogen isotope separation technologies.

Our tritium lab includes:

- Dedicated tritium containment
- Glove boxes and custom tritium handling equipment
- Personal protective equipment (PPE) validation testing

Take a self-guided tour of this lab [here](#) today!

Featured Insight: Cyber Security at Nuclear Power Plants

Kinectrics has been supporting the successful implementation of Cyber Security programs and modification at plants across the US Nuclear fleet for over 10 years, and more recently in Canada. Kinectrics understands the challenges that face nuclear plants when addressing Cyber Security remediation. Combining this specialty knowledge with our extensive in-house experience executing design modifications, allows us to deliver smart, useful and cost-effective solutions to our clients during the planning, design, implementation and regulatory inspections for Cyber Security.



Kinectrics is proud to have been the Event Title Sponsor for the OCNI Cyber Security Day. On Monday, April 26th a forum discussion took place to exchange ideas, discover new technologies, and review existing methodologies in the interest of Cyber Security. Our subject matter expert Gary Locklear participated in the event to discuss Kinectrics' involvement in Cyber Security.

[Learn more about our Cyber Security Services.](#)

Project Highlight: X-energy and Kinectrics announce global collaboration agreement to advance Xe-100 SMR design and deployment



X-energy and Kinectrics have signed a collaboration agreement to advance the design and deployment of X-energy's Xe-100 small modular reactor (SMR) in Canada, the U.S. and worldwide. Under this global agreement, the two companies will strengthen their long-standing relationship by expanding collaboration on regulatory affairs; safety and licensing; and equipment qualification and testing.

"Kinectrics is excited to cooperate with X-energy on deployments in Canada and worldwide," said David Harris, President and CEO of Kinectrics. "The importance of creating a clean energy future cannot be understated; advanced nuclear technologies, such as small modular reactors, offer an opportune means of helping to achieve this goal." Read the full news release [here](#).