



## Kinectrics' Nuclear Newsletter – Fall 2021

### Video Spotlight: Decommissioning & Waste Management

#### Your Partner of Choice

Kinectrics works with its clients to deliver safe and cost-effective solutions across the Decommissioning & Waste Management project life cycle. From concept to site end-state, we meet our client's expectations by drawing on the integrated capability and experience of



our people, process, technology, nuclear licensed laboratories, and large-scale facilities.

Kinectrics' key competencies of strategic planning, safety analysis, regulatory support, engineering design, decontamination, waste treatment, dosimetry, active laboratories, licensed facilities, and site operations have been demonstrated on operational, refurbishment, and decommissioning nuclear projects.

As a result, Kinectrics has direct project experience across all stages of the Decommissioning & Waste Management life cycle, supporting both Canadian-based and international nuclear sites.

[Watch the video to learn more.](#)

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### Kinectrics Signs Memorandum of Understanding with Prodigy Clean Energy and NuScale Power

Kinectrics has signed a Memorandum of Understanding with Prodigy Clean Energy Ltd. And NuScale Power LLC to explore and develop an enabling licensing framework for the Prodigy Marine Power Station (MPS) that would integrate Small Modular Reactor (SMR) technologies, including up to 12 NuScale Power Modules™.



The highly compact Prodigy Marine Power Station (MPS) has the potential to greatly reduce capital costs of new nuclear builds, accelerates deployment, reduces environmental impact, and simplifies site preparation, as well as nuclear power plant end-of-life decommissioning.

“Achieving a clean energy future requires innovations to accelerate deployment of zero-carbon power sources. Prodigy's transportable and marine-based nuclear power plant systems could be a critical vehicle to deploy SMRs faster, more safely, and more economically, with minimized environmental impact. As a global leader in the energy services industry, specifically in nuclear licensing, Kinectrics is pleased to work with Prodigy and NuScale to help carve a path forward for modern deployment approaches for nuclear power.” said David Harris, President and CEO of Kinectrics.

Read the full news release [here](#)

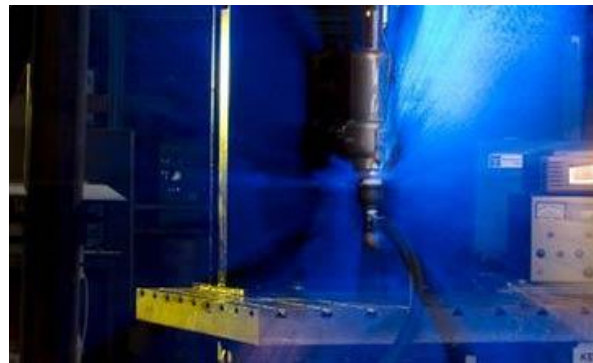
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### Kinectrics' Virtual World: Seismic and LOCA Testing Lab

Kinectrics is equipped with a tri-axial seismic testing table and a single axis random input motion (RIM) table capable of performing a full range of seismic testing required for qualification.

Capabilities include:

- Sine sweep search for resonate frequencies
- Testing accelerations up to 12 g's
- Payload capacity of up to 4000 lbs
- RIM (Required Input Motion) testing
- Steam Test Simulation



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

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### X-Energy and Kinectrics SMR Development and Testing



Kinectrics Inc. and X-energy have signed a Memorandum of Understanding (MOU) to support the establishment of Helios, a clean energy innovation centre. Helios is envisioned as a collaborative research hub, tying together clean energy technology developers, academia, industry, and other key stakeholders.

The first-of-a-kind campus will provide testing facilities for systems and components of the Xe-100 small modular reactor (SMR) and other High-Temperature Gas-cooled Reactor (HTGR) technology that will prove instrumental in the global fight against climate change.

“Kinectrics is excited to be leading the way in supporting the development and testing of SMRs, providing the critical infrastructure required to accelerate their introduction around the world. This initiative will help to create long term jobs in Ontario,” says David Harris, President and CEO of Kinectrics.

Read full news release [here](#).