



Kinectrics' TDT Newsletter – Summer 2021

Spotlight: Asset Management

Kinectrics' Asset Management techniques and methodologies enable effective decision making and the prioritization of costs required to sustain your asset base.

Kinectrics is a world-renowned leader in Asset Management, with its staff supporting the development of asset management solutions, which includes participating in CIGRE and IEEE Asset Management Committees and working groups.

Yury Tsimberg, Director of Asset Management at Kinectrics, will be participating in an array of conferences and workshops this Fall, including:



[Institute of Asset Management \(IAM\) North American 2021 Conference](#)

This year's IAM North American Conference will be held on October 12th to 14th, 2021. Yury Tsimberg will be speaking on "Asset Performance Management (APM) Requirements for Electrical Utilities" on October 14th, 2021.

[CIGRE Canada Hydro One Workshop](#)

On October 25th, 2021, Yury Tsimberg will be speaking at the CIGRE Canada Workshop on the "Current State of Asset Management for T&D Utilities".

[CEATI 5th Annual Asset Management Conference](#)

The CEATI 5th Annual Asset Management Conference will be taking place from October 26th to 27th, 2021. Join Yury Tsimberg and Paul Egers from New Brunswick Power on October 26th, 2021, for a presentation on the "Developing Degradation Curves for T&D Assets at NB Power".

Learn more about our [services](#).

Contact Yury Tsimberg (Yury.Tsimberg@Kinectrics.com) for more information.

Featured Insight: Cable Life Cycle Management Services

Kinectrics' strength is offering services across the cable life cycle. By combining materials and cable design expertise with lab and field testing, we have insights into cable performance and ageing that nobody else has. Kinectrics' provides you with the best data on your cable system that enables you to make risk-based decisions based on an understanding of your assets and the options available to you.



Kinectrics' cable life cycle management services support all stages of the cable life cycle, including:

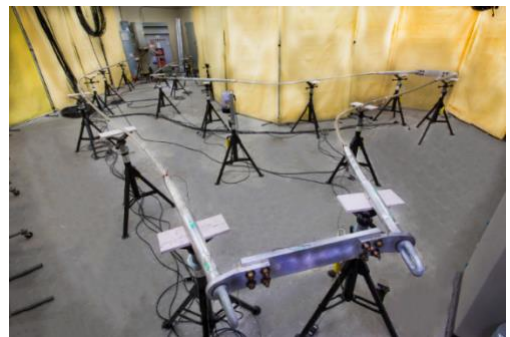
- Stage 1: Engineering Design & Consultancy
- Stage 2: Manufacturing
- Stage 3: Installation
- Stage 4: Operation & Maintenance
- Stage 5: End of Life/Life Extension

Read our [brochure](#) to learn more.

Kinectrics' Virtual World: Connector Testing Lab

Kinectrics conducts qualification and performance tests for the thermal, mechanical, environmental and electrical performance of transmission, distribution and substation connectors according to industry standards and manufacturers' specifications.

Other studies are also conducted to confirm the failure mode of overhead connectors, and to determine the most cost-effective measures to prevent future failures. Facilities includes six heat cycle loops, up to 12,000 A capacity.



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

Project Highlight: Water Cooled Turbo Generator Stator Bar Testing

Kinectrics recently performed Qualification Tests on Water Cooled Turbo Generator Stator Bars for two world renowned utilities: AGL Loy Yang Partnership (Australia) and Ontario Power Generation (Canada).

The sample bars were subjected to the following destructive tests along with diagnostic tests:

- Thermal cycling in accordance with IEEE 1310
- Voltage endurance in accordance with IEEE 1043 and 1553
- AC Voltage breakdown; and then
- Dissection.



Both tests presented unique challenges associated with the length and weight of the bars. Each of the five bars tested for AGL Loy Yang Partnership measured 8.0 meters long and weighed ~150 kg. Each of the five bars tested for OPG measured 9.0 meters long and weighed ~105 kg.

Learn more about our [services](#).