



Kinectrics Completes Acquisition of ArcWear



history of evaluating various flame and arc rated personal protective equipment (PPE), fall protection, face shields, gloves and arc flash clothing against a comprehensive list of industry standards.

“Kinectrics is pleased to be broadening the range of value-added testing that we can undertake for the electricity sector” states David Harris, CEO of Kinectrics. “This acquisition brings together Kinectrics’ extensive arc modeling and testing capabilities with ArcWear, who are leaders in the provision of a broader range of Personal Protective Equipment testing. Together, the companies will be able to provide more comprehensive and streamlined services”

The acquisition is a strong complement to Kinectrics’ existing High-Current Laboratory (HCL) for Arc Testing on fabrics, gloves, hoods, blankets and various PPE as well as Kinectrics’ existing Arc Flash Consulting and software business. By vertically integrating ArcWear, Kinectrics’ HCL supply chain will realize efficiencies, improve customer response times, and meet tighter deadlines. Kinectrics’ Arc Flash Consulting and software business will gain an expanded global customer base for cross-support opportunities.

Read the full news release [here](#).

Kinectrics’ Virtual World - Protection and Control System Verification Lab in 360°



Kinectrics’ Protection and Control System Verification Lab is designed to help clients meet a new set of global standards for IEC 61850 and achieve significant savings with in-house integration and a “plug and work” approach. Kinectrics is uniquely qualified to offer full scope, one-stop-shop services to meet your system verification and interoperability testing needs as you move to IEC 61850 based substation automation systems.

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

Featured Insight: GRIDSIM Power Lab



The Kinectrics GRIDSIM Power Laboratory is a state-of-the-art, independent facility in Toronto, Canada. The lab is aimed at testing smart grid systems, renewable generation equipment, and medium voltage power systems over a wide range of voltages and frequencies, and at power levels up to 12MVA.

Lab Highlights:

- Accelerate Inverters to Market with UL 1741 SA Certification
- Eliminate On-site Compliance Testing
- Major Project Cost Savings and Time Savings
- Full range of Type Certifications for MV/MP Equipment
- A Vendor-Neutral Research Test Bed

Learn more [here](#).

Case Study: Transmission Cable Commissioning – Land and Subsea



A large utility in Europe requested the commissioning and diagnostic testing of a hybrid 230kV transmission cable system, over 40 km in length, terminated between a transmission substation to a remote Gas Insulated Substation (GIS) mounted on an offshore platform.

Using six Resonant Test Systems connected in parallel (AC Hi-Pot at 1.7U_o of test voltage for 60 minutes), Kinectrics successfully performed commissioning testing in compliance with IEC 62067. During the commissioning testing, Kinectrics used our daisy-chained partial discharge (PD) monitoring system to monitor and record PD activity on the onshore cable accessories. In addition, at the remote platform termination offshore, Kinectrics used a real-time PD monitoring system on each of the 3 cables using local 4G LTE network.

The combined AC Hi-Pot at 1.7U_o testing, with Partial Discharge diagnosis, provided our test engineers with accurate test results in compliance with the IEC 62067 standards, and in turn, our client with a higher confidence level regarding the overall health and the installation quality of the cable system. The cable system passed the required testing and was reported fit for service.

Read the full case study [here](#).