Electrical Safety Testing

Expert safety equipment and product testing services for utilities

KINECTRICS
a BWXT company

Project Objective

Kinectrics was selected to provide electrical safety equipment testing to a large North American utility with over 90 locations and over 300 unique divisions. This initiative aimed to ensure worker protection comply with industry regulatory standards.

The primary goal was to remove risks by addressing potential issues and undertaking repairs before they cause problems.



Client: Large North American Utility

Location: Ontario, Canada

Year: Ongoing, 50 plus years of testing

The scope of safety protection covered various aspects, including:

- Mitigating physical injuries caused by:
  - Defective tools like hot sticks, rubber gloves & line hoses
  - Adjustment of equipment and conductors
  - Maintenance tasks
  - New construction projects
  - Substations testing
- Ensuring the protection of systems, particularly the electrical grid

Project Scope

We provide comprehensive and high-quality safety equipment test programs, including both on-site and off-site testing. With our established experience in the utilities area, diverse engineering expertise in the field of electrical safety equipment and product testing, we deliver unique value-added and quality testing services that meet ISO 9001 and ISO 17025 standards.

The following tests are conducted to enhance the utility personnel and equipment protection, meet government regulations, and achieve product quality assurance:





- Rubber Glove Testing (in lab testing)
- Live-Line Rope (in lab testing)
- Insulating Jumper Cables
- Rubber Blankets/Hoods/Line Hose
- Insulated Aerial Booms
- Insulated Hot Sticks Testing
- Insulating Plastic Guard Equipment
- Ground Cables/Leads
- Bucket Trucks
- Digger Derricks

Value Added Results

Through our ongoing testing, expert consultation services, and comprehensive testing programs, we ensure the utility consistently meets the latest safety regulations while also enhancing overall performance:

- Optimizing the utility efficiency by reducing equipment turnaround and shipping costs through on-site mobile testing
- Guiding the utility through the testing and evaluation of new and prototype equipment, design of new tools & improvement of legacy insulated tools
- Our dedicated support includes in-depth failure analysis and invaluable insights into optimal equipment and work practices