

TUTORIAL: High Voltage Energized Work Benefits, Practices and the Used of Robotic Tools.

The use of Energized Work for the inspections, maintenance and upgrades/repower of transmission lines has increased with the electric power utilities in order to maintain customer requirements for demand availability at all times and system reliability. The state of the art of this subject involves the application of robotic tools to reduce the potential risks to maintenance crews, improve the execution of repetitive tasks and identify efficiencies to perform the tasks.

The tutorial will present and discuss different methods of Energized Work, general concepts, specialized tools, types of projects, Project Development-Preparation and Execution planning. Actual project examples will be presented. The potential economic benefits for the asset owners, social and system benefits.

LECTURER: Fred Hogman

Fred is the Vice President of Quanta Energized Services, in this position he oversees the day to day operations as well as energized training for Quanta Services' electric business units. He has 42 years of experience in the powerline industry with more than half of that time specializing in energized live line maintenance. As a foremost expert in the field of energized construction he has had the opportunity to develop and manage innovative live line projects across North America and throughout the globe.



Fred was born in Saskatchewan and served his apprenticeship with a municipal utility. Since that time, he has work for multiple utilities and contractors in Western Canada. He has been with Quanta Services since 2004 and currently resides in British Columbia when he is not travelling to support QES projects and business development.