



Sub-Transmission Optical Monitoring and Sectionalizing Solution

Optical power quality monitoring & secure automated switching for 46-69kV systems

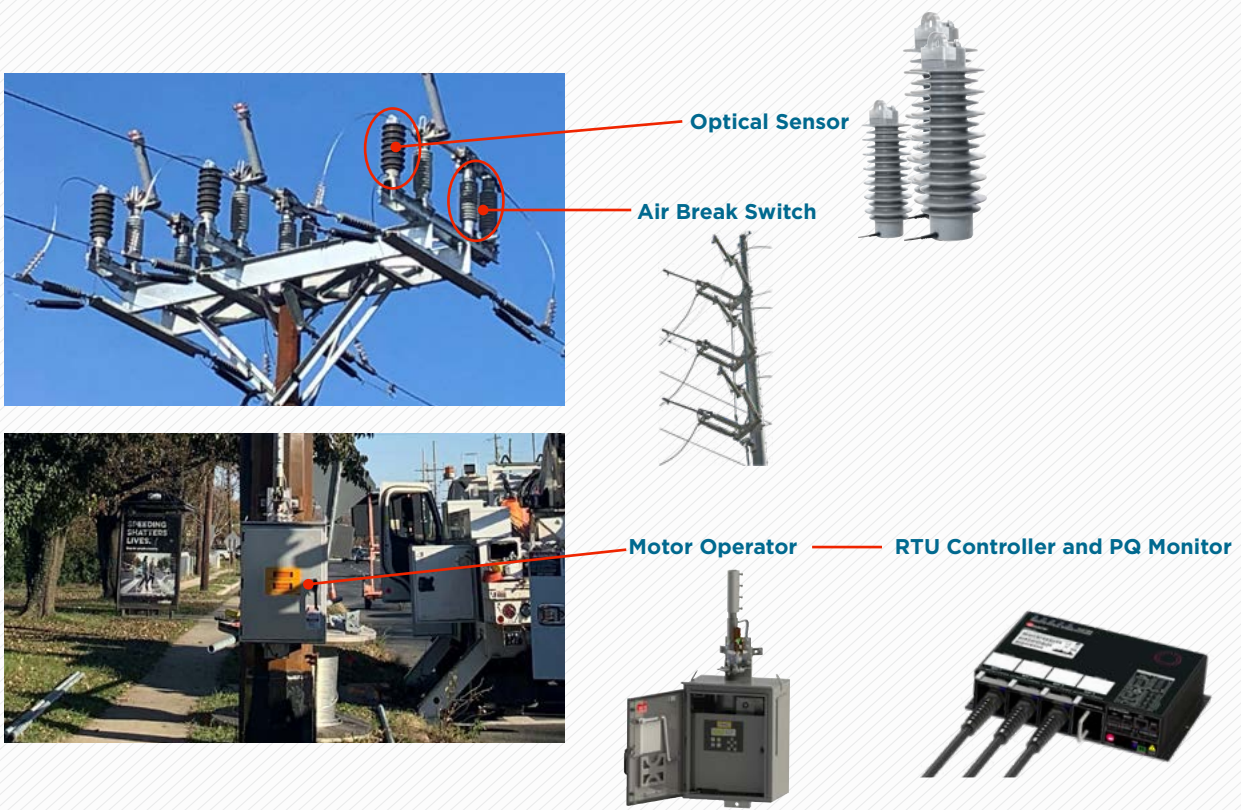


Introduction

The Hubbell Power Systems® Sub-Transmission Optical Monitoring and Sectionalizing Solution is designed for 46kV to 69kV overhead sub-transmission system applications. The sensors and RTU equipment measure bi-directional power flow, power quality and report fault events. The state-of-the-art optical design provides unmatched safety and accuracy. When provided with the Hubbell FlexMO motor operator and switch assemblies, the combined solution enables rapid isolation and sectionalizing of faulted segments to drastically improve outage and SAIDI performance metrics. This integrated kit from Hubbell saves utilities valuable time, effort, and project costs.

Applications

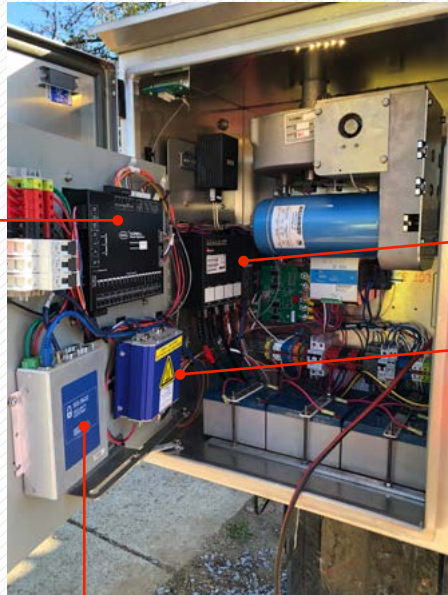
- 46kV - 69kV systems
- Sub-transmission smart switching
- Sub-transmission fault isolation and sectionalizing
- Sub-transmission SCADA automation
- Sub-transmission optical power quality monitoring and analysis
- Wildfire risk mitigation
- Renewable integration





Motor Operator Controller

Door tamper alarm
(not pictured)



Security gateway
(customer provided)



**Optical Signal Processor,
Sectionalizer Controller
& RTU (m410)**

Radio
(customer provided)

Features and Benefits

- Rapid & reliable detection and sectionalizing of faulted circuits
- Immediate isolation of faulted segments and restoration of non-faulted segments
- Faster time to repair
- Improved management of system overload conditions, reduced need for rolling blackouts
- Visibility and control of wind, solar and other DERs
- Faster troubleshooting for harmonics and other power quality issues
- Improved safety for work crews and reduced fire ignition risk using optical sensor technology
- High accuracy, real-time monitoring of bi-directional power flow and fault events
- Auto-sectionalizing option available to reduce outage minutes

More Information

- Hubbell Power Systems Sub-Transmission Optical Sensor Brochure
- TD10189E FLEXMO spec sheet



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