

EDGERESTORE[®]

UNDERGROUND DISTRIBUTION RESTORATION SYSTEM

Extending Fault-Location, Isolation, and Restoration to Underground Lateral Circuits



Facing more frequent and damaging storms, utilities are boosting reliability and resilience by undergrounding lateral circuits. But these circuits come with their own set of operational challenges.



Underground faults always result in an outage, often lasting hours



Outages require multiple truck rolls, increasing O&M costs



Crews must painstakingly investigate each cable section



Manually switching increases medium-voltage exposure and the risk of closing into a fault with an elbow



Outages impact customer reliability and overall satisfaction

A MODERN WAY TO COMBAT UNDERGROUND LATERAL FAULTS

S&C's EdgeRestore[®] Underground Distribution Restoration System can locate faults, isolate the issue, and reroute power from an alternate source—without crew intervention and in less than 60 seconds.



Boosts Customer Reliability

- Enables customers to maintain service, improving overall satisfaction
- Avoids thousands of outage minutes caused by a single fault event
- Meets increased expectations for reliable, resilient power



Eases Operation & Enhances Safety

- Eliminates emergency truck rolls
- Reduces crew exposure to medium voltage and risk of closing into a fault with an elbow
- Prevents trial-and-error fault hunting



Easy Setup

- Fits into existing loop schemes without needing to change protection curves
- Installs easily into new or existing transformers with no adjustments to specifications
- Automatically sets up with no software programming
- Peer-to-peer communication system using a power-line carrier does not require antennas, radios, batteries, or complex equipment
- No computers, firmware updates, or settings management



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