APPLICATION SPOTLIGHT – Utilities

Reduce Downtime

Reduce Costs

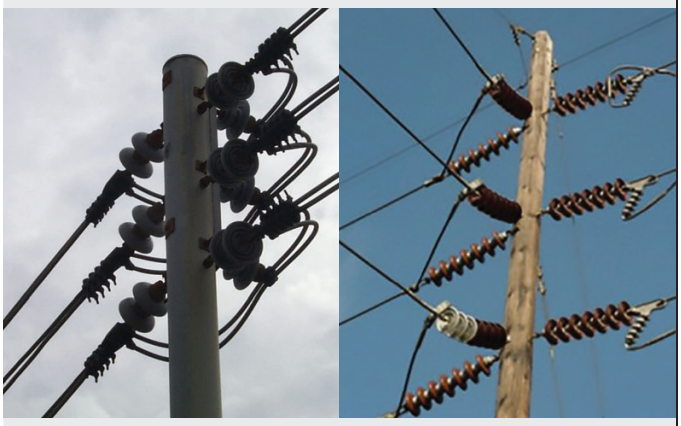
Improve Safety

DISTRIBUTION POWERLINE INSPECTIONS

IMPROVE NETWORK RELIABILITY WITH THERMAL IMAGING

THE CUSTOMER'S CHALLENGE

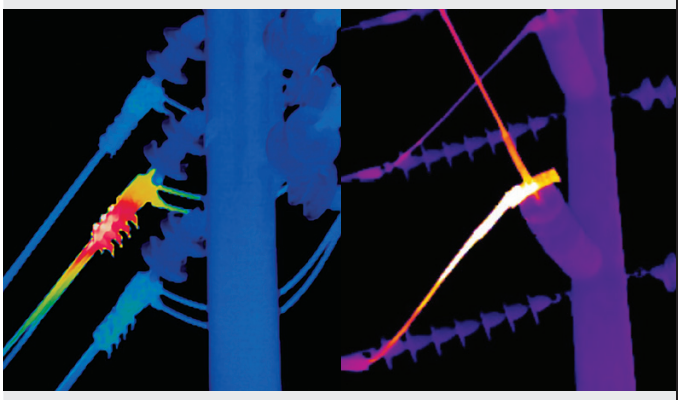
If you don't catch distribution powerline problems early, you may end up dealing with a costly outage that disrupts power to thousands of customers. That's why regular inspections are necessary. But there's a lot the naked eye can miss, especially when you can't get close enough to what you need to inspect. Isolator or line connector failures, bad or defective connections, or oxidation on connectors can easily go undetected until it's too late.



Undetected problems can lead to costly outages that affect thousands of customers

A SOLUTION

A thermal imager is a non-contact and nondestructive inspection tool, which is why it's becoming an essential predictive maintenance tool for ongoing inspection programs. Equipment gets hot before it fails, meaning regular thermal imaging surveys on distribution powerlines will give you a full picture of potential problems. Since the components you need to inspect are small and likely located out of reach, a high-resolution thermal imager such as the FLIR T1020 with a 12° lens allows you to detect potential problems quickly and accurately from a distance. Drones with a combination of IR and visual payloads, such as the M210 with XT2, are also a perfect solution when accessibility to pylons or line components is an issue.



Thermal imaging surveys can give you a full picture of potential problems so you can prevent failures before they occur

THE RESULTS

Regular thermal inspections can help your utility identify hot spots early so you can prevent failures before they occur. This reduces unexpected equipment downtime by up to 90 percent, reduces the cost of maintenance, and helps you to prioritize and schedule repairs. Work at a safer distance away from lines and components during inspections while still measuring temperature accurately.

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