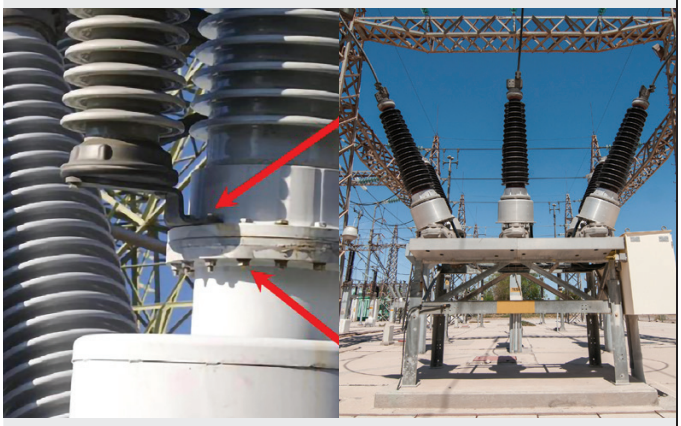
APPLICATION SPOTLIGHT – Utilities

Reduce Downtime | Reduce Costs | Improve Safety

INSPECT SULFUR HEXAFLUORIDE (SF_6) CIRCUIT BREAKERS

DETECTING GAS LEAKS WITH OPTICAL GAS IMAGING



Undetected gas leaks may result in unplanned downtime, lost revenue, and a greater carbon footprint

THE CUSTOMER'S CHALLENGE

When you suspect that there's a gas leak in a SF_6 breaker, it's crucial to locate and fix it immediately to minimize downtime and revenue loss. This isn't always easy to do using traditional gas-detection methods such as sniffers or soap bubbles. Plus, it's not always possible to come into close contact with the breaker to inspect it. The longer a leak is left unrepaired, the more revenue lost, and the greater the carbon footprint on the environment.

A SOLUTION

An optical gas imaging camera, such as the GF306, visualizes SF_6 and other gas emissions without the need to shut down operations. By using a portable, non-contact optical gas camera, you can quickly scan substations for leaks while maintaining a safe distance from high-voltage equipment. You'll be able to spot thermal anomalies to catch leaks early, and reduce revenue lost from breakdowns and repairs.

Optical gas imaging cameras visualize and pinpoint emissions so you don't have to shut down operations to fix a leak

THE RESULTS

Through regular SF_6 circuit-breaker inspections using an optical gas imaging camera, your utility can visualize gas emissions and thermal anomalies to cut the amount of revenue lost from costly leaked gas, downtime, and repairs. Plus, your company can reduce emissions to meet environmental regulations and avoid potential fines.

FLIR GF306™

For more information about FLIR in electric power substation/transmission or to schedule a product demonstration visit: www.FLIR.com/substation-transmission

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