

Arc Detection & Localization Enhanced Functionality for DMS Gen3



Qualitrol[®] Gen3 Series Advanced Features

For the last 30 years DMS has been trusted by utilities around the world to help them keep the lights on. Today these same utilities are trusting DMS to help turn the lights back on.

Arc Detection and Localization, use your PDM System to locate faults faster, using AI to get customers out of the dark.



Pioneers in the industry, breaking new ground, moving the industry forward.

Arc detection and localization are profound advancements in the field of Partial Discharge Monitoring. Qualitrol's innovative solutions empower technicians to remotely identify and locate flashovers, saving time, reducing costs, and enhancing safety. By integrating Arc Detection and Localization into a comprehensive monitoring system, utilities are better able to ensure reliable and efficient substation operations.

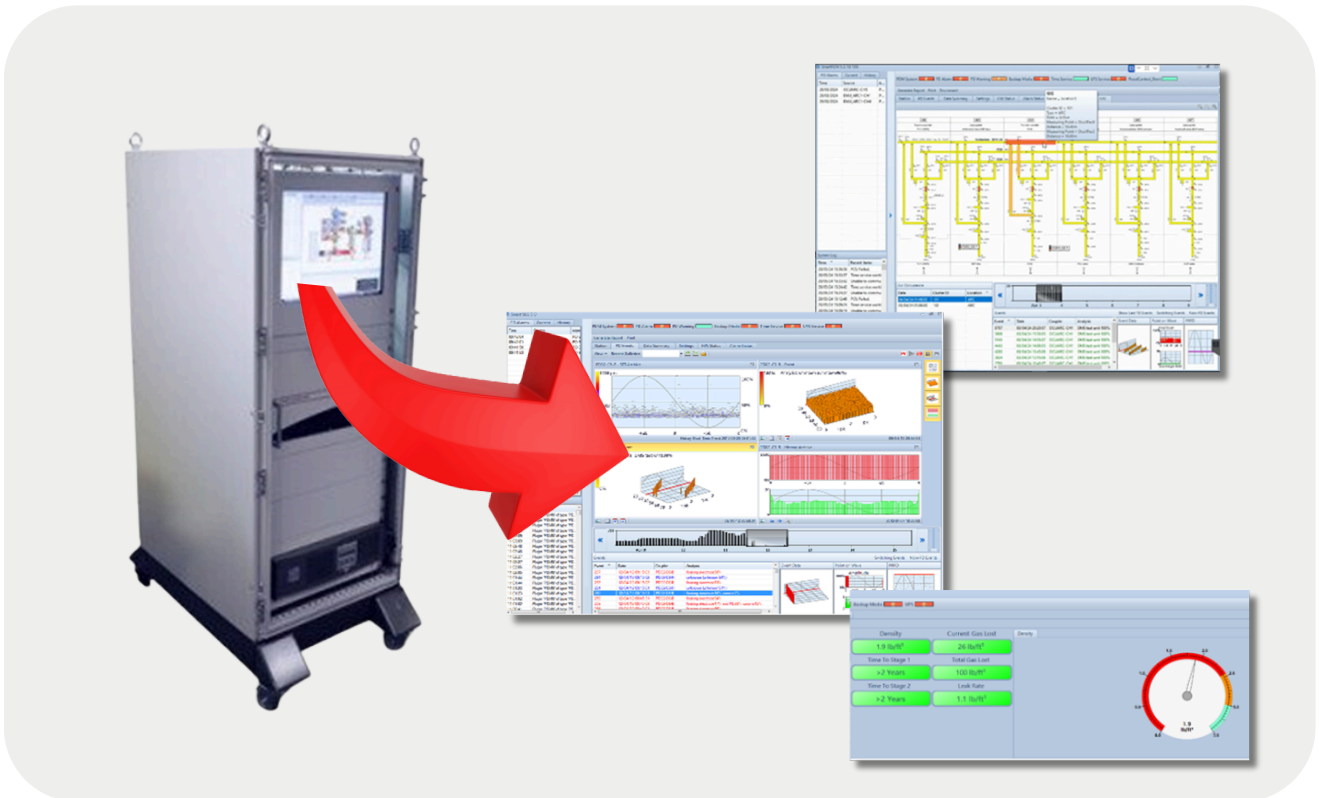
What are "Arc Detection" and "Localization"?

Arc detection and localization are advanced features offered for Qualitrol's PDMG-RH Gen3 System. These features utilize the existing PD Monitoring System and UHF sensors without the need for additional hardware. These are software-based solutions which allows users to remotely identify and record the location of arcs, greatly diminishing the need for manual investigation. By pinpointing the exact location of the arc, technicians can quickly reenergize healthy bays, saving valuable resources and reducing downtime.



Arc Detection & Localization

Combining new features into a reliable PD Monitoring System

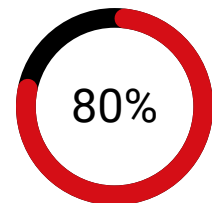


Time and Cost Savings: Technicians can reenergize unaffected bays without the need for physical deployment to the site. This can save thousands of maintenance dollars per shift traditionally spent investigating arc location, reducing operational costs, and minimizing downtime.



Enhanced Safety: By identifying and addressing potential faults and insulation degradation, arc detection and PD Monitoring contribute to the overall safety of substation operations and personnel. Timely repairs and maintenance reduce the risk of equipment failure and unplanned outages.

Efficient Localization: The localization of arcs via the PDM system takes only about 20% of the time required for manual localization. This allows technicians to quickly respond to faults and expedite repairs, leading to substantial time and resource savings.



Comprehensive Monitoring System: Qualitrol's solution integrates multiple monitoring systems, including Partial Discharge, Gas Density, and Arc Detection, into a single GIS monitoring system. This comprehensive approach streamlines maintenance planning, simplifies training, and ensures more efficient operations.



Contact Us

Qualitrol® DMS

Orbital House, 3 Redwood Crescent
East Kilbride, G74 5PA
United Kingdom

Ph. +44.141.572.0840

info@qualitrolcorp.com

Visit our website for more information and a complete portfolio

www.qualitrolcorp.com