



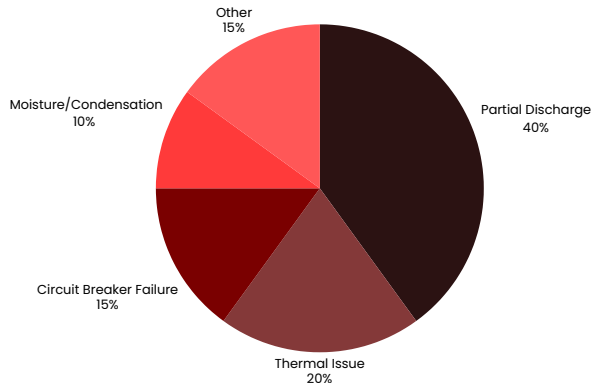
Medium Voltage Switchboard comprehensive monitoring

MV Switchboard Failure modes

Silent Threats That Can Bring Your System Down

Without proactive monitoring, these failures often go undetected until they cause costly outages or safety hazards, forcing operators to respond reactively rather than preventively.

No alarms. No signs. **Just failure!**



Unless you're actively monitoring, **failures will strike without warning**

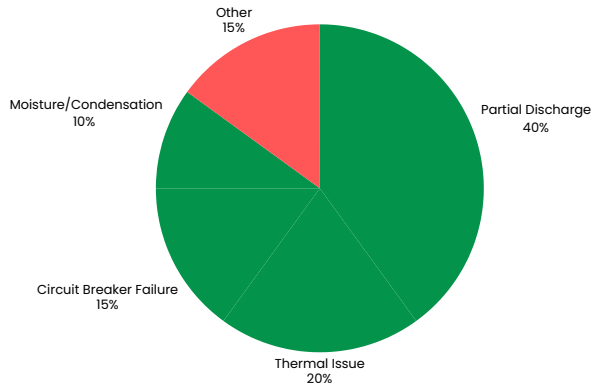


Cover up to 80% of critical Failure modes

Through Partial Discharge,
Temperature and Condensation
monitoring

Just a few strategically placed sensors
can significantly improve detection of
critical failure modes, helping you
enhance asset reliability and prevent
unexpected outages.

**Detect 80% of critical failure
modes before they escalate**



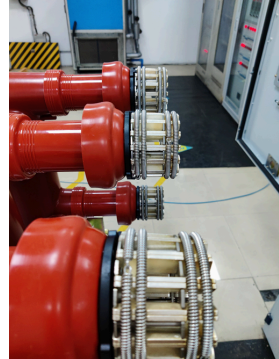
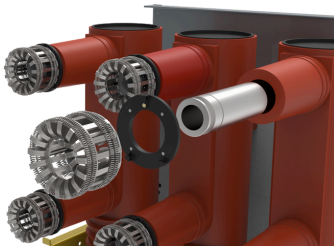
**With continuous monitoring and
proactive maintenance, risks become
manageable**



Circuit Breaker Contacts

Tulip Thermal Ring

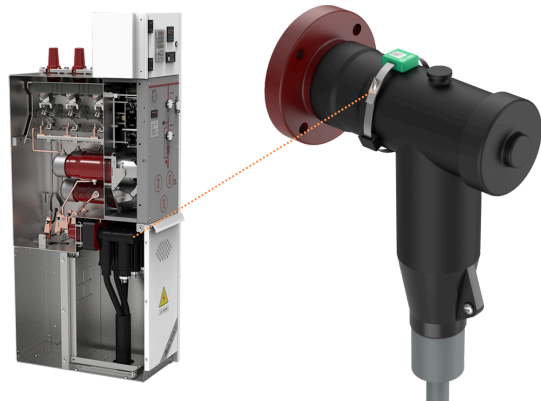
- Semi-conductor contact temperature measurement
- Current measurement for thermal resistance stimulation
- Directly measure the most heated "inaccessible" hot spots



Elbow Connector Thermal Monitoring

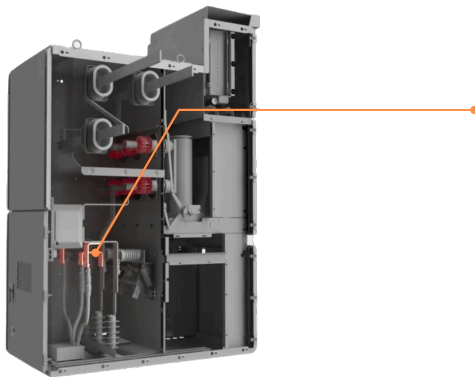
Micro Thermal Tag

- **Batteryfree:** Electric-field Energy-harvesting
- **Inner Elbow** temperature measurement
- **Wireless** transmission (20 meters typical)



Cable Compartment Monitoring

- Self-powered(EMI) & wireless
- Monitoring temperature at connections
- High Frequency Current Transformer to detect partial discharge

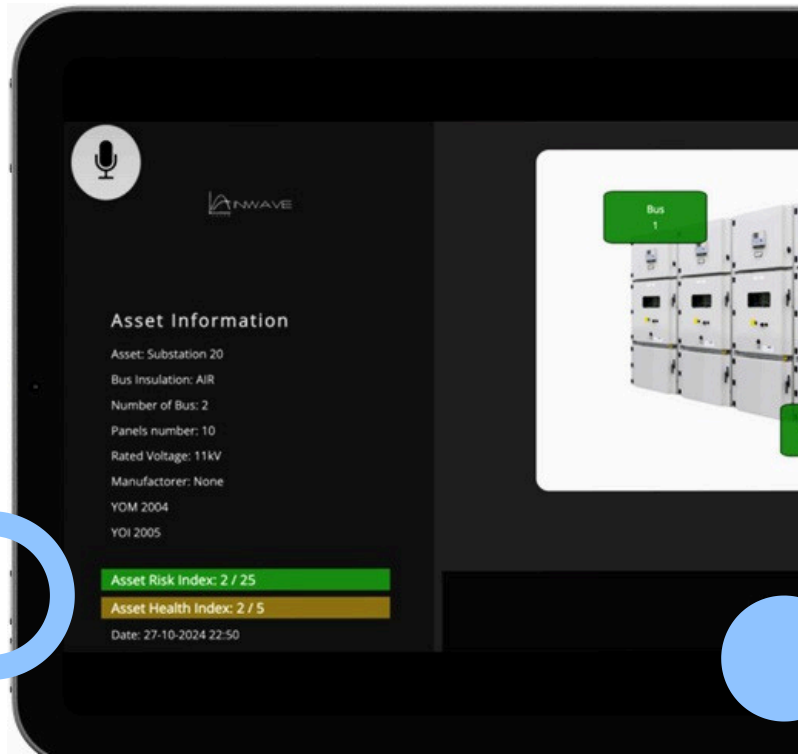




From Data to Actionable Insights

Optimising Condition-based Maintenance through Integrated Health Monitor System

IHMS integrates multiple data sets to provide a holistic Asset Health and Risk Index in accordance with CIGRÉ TB 912. Diagnostic data is transformed into actionable insights that drive better decision-making.





Centralise Analyse Integrate

Bridging Data gaps

The IHMS centralizes diagnostic data from continuous monitoring and spot testing to automatically analyze the results, health, and risk indices for medium and high voltage electrical assets, seamlessly integrating diagnostic raw data and analyses into existing management software and dashboards.



Connect with us

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