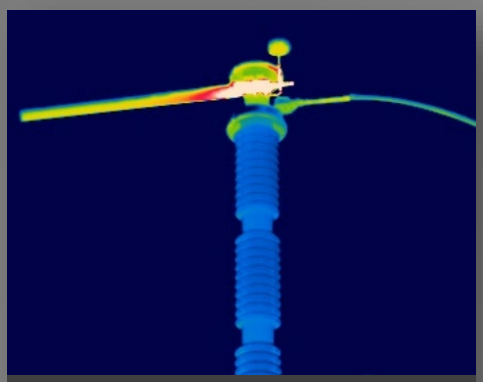
RATTLIR

CRITICAL EQUIPMENT DIAGNOSTICS

See The Heat Before It Burns – Strike Before It Bites

RATTLIR provides engineering-focused diagnostic inspections of critical power generation assets, with an emphasis on energized high-voltage electrical equipment.

Combining infrared thermography, acoustic diagnostics, and visual condition assessment, RATTLIR employs a component-based inspection approach to identify equipment abnormalities, establish baseline conditions, and generate trendable data for ongoing condition assessment and maintenance planning.



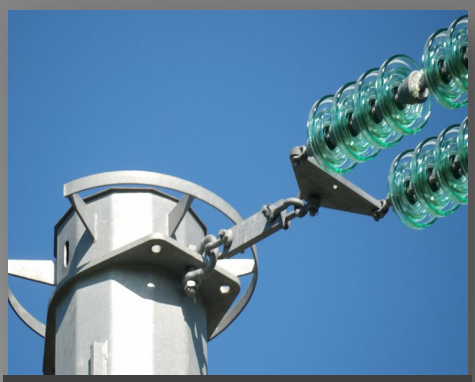
THERMAL

Temperature Comparisons



ACOUSTIC

Acoustic Signatures



VISUAL

Physical Conditions

PRIMARY SPECIALTY

High-Voltage Electrical Asset Diagnostics

Switchyards • Substations • Generator Step-Up Transformers • Transmission Interfaces

ADDITIONAL POWER GENERATION APPLICATIONS

Switchgear • Electric Motors • Instrument Air Systems • Root Cause Analysis

COMPONENT-BASED INSPECTIONS. TRENDABLE DATA. ACTIONABLE RESULTS.

Improved Equipment Visibility to Support Early Identification and Maintenance Planning

www.RATTLIR.com

CRITICAL EQUIPMENT DIAGNOSTICS

INSPECTION APPLICATIONS

HIGH-VOLTAGE ASSETS

Switchyards, GSUs, breakers, disconnects, insulators, conductors and associated hardware.

ADDITIONAL APPLICATIONS

Switchgear, motors, compressed air systems, and RCA support.

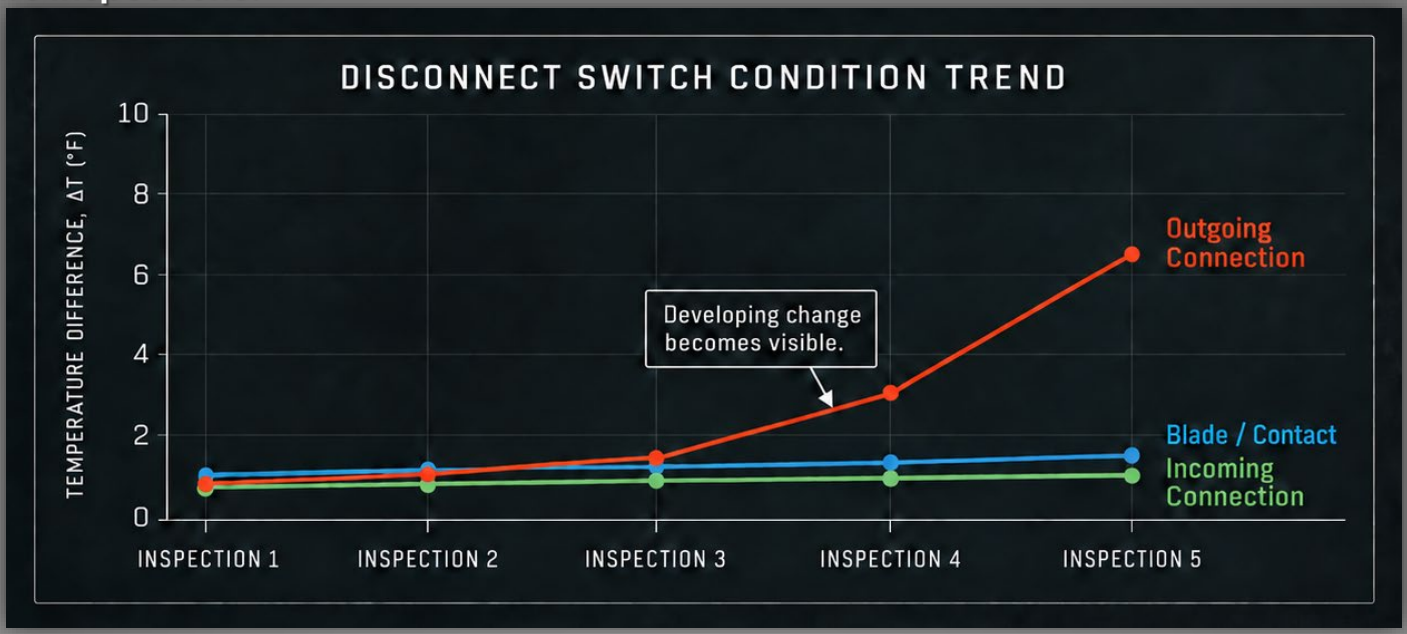
REPORTING & DELIVERABLES

Documented Findings. Prioritized Actions. Trendable Data.

- Component-level measurement logs
- Baseline assessments and trendable data
- Prioritized maintenance recommendations
- Thermal, acoustic, and visual imagery
- Severity classifications and Issues & Actions
- Technical report and supporting data package

COMPONENT-BASED INSPECTION METHODOLOGY

RATTLIR's comprehensive inspections average over 1,500 individual components per power generation facility. Inspected components are systematically evaluated and documented, including baseline observations. Consistent component identification and measurement records support trendable comparisons between equipment and future inspections.



Illustrative example of trendable component-level reporting

IMPROVE VISIBILITY INTO CRITICAL EQUIPMENT CONDITIONS

Planning a comprehensive inspection or investigating a specific equipment concern? Contact RATTLIR to discuss diagnostic capabilities and inspection scope.

Bryan Miller – Principal | Technical Director

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