OFIL

Gridnostic

Advanced Diagnostics, Intelligent Solutions

In an era overflowing with information, the true challenge is transforming vast amounts of grid data into actionable insights that drive informed decision-making. OFIL Systems' Gridnostic is a cutting-edge grid diagnostics platform that seamlessly aggregates all data sources to deliver comprehensive, actionable insights. It is designed to revolutionize how you manage and maintain your electrical assets. Whether you seek a holistic overview or detailed diagnostics, Gridnostic ensures reliability, efficiency, and safety in the high-voltage electricity sector.

Developed based on research and guidelines from the Electric Power Research Institute EPRI

Key Features

Diagnostics Capabilities
Our platform converts complex imagery data into clear numeric severity scores, delivering actionable insights for efficient asset health management.

Multi-sensor Integration
Leverage multi-sensor technology including UV, RGB and Thermal to enhance analysis capabilities.

GIS-enhanced Platform
Integrates all inspection data within a geospatial context, offering a strategic, map-based overview of grid health.

Simplifying Complexity – AI Enabled
Transform complex data into clear, actionable insights with AI models enhancing data interpretation.

Asset-based Data Management & Reporting
Efficiently manage historical data and enhance communication with sharing and reporting capabilities
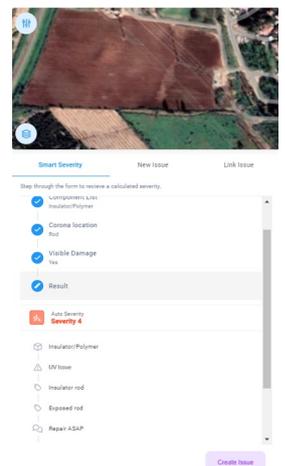
Expert Advice & Diagnostics
Backed by years of industry knowledge, receive expert advice and diagnostics to solve problems faster.

Severity Diagnostic Tool

Evaluate images and videos captured by RGB cameras, as well as specialized thermal and UV sensors, using a dynamic, interactive evaluation interface that guides the determination of numerical severity scores.

• Reduces subjective interpretation, translating qualitative assessments into quantitative severity scores.

• Contextual Integration: Adjusts severity scores based on geographical and infrastructural parameters, aligning diagnostics with real-world impact considerations.
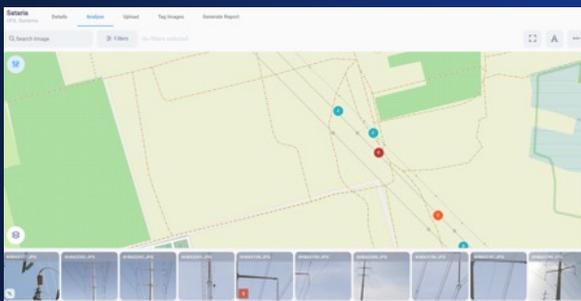
Fast • Reduced Subjectivity • Simple • Multiple Sensors integration • Consistent Results

Severity Diagnostic Tool

Maintenance methodology

- Maintenance Planning
- Inspection and Data Collection
- Analysis and Virtual Inspection
- Generating Reports and Outputs
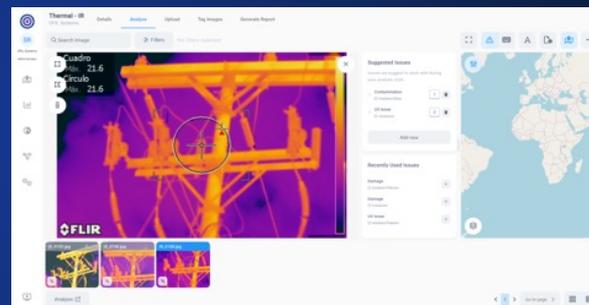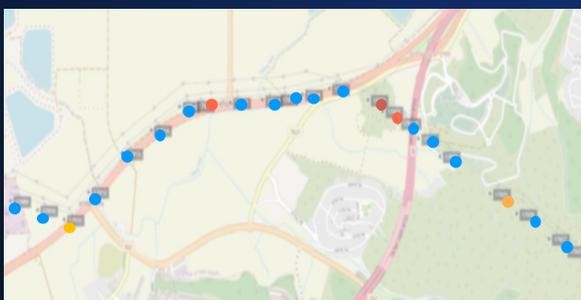- Insights and Smart Investment Planning

Multi-sensor integration

Map Display
Pictures are color-coded according to their severity levels, allowing for quick visual assessment of priority areas in T&D networks and substations.
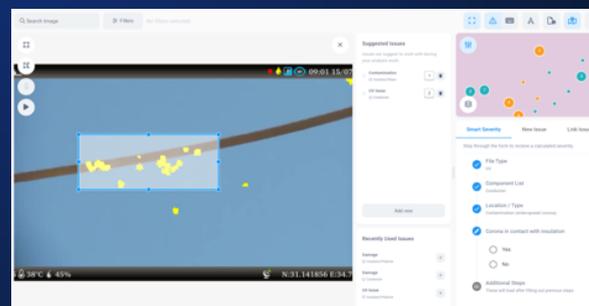
Analysis Interface
Comprehensive interface for analyzing the inspection data.

Asset Overview
Dashboard that offers a comprehensive view of all electrical assets and their health levels.

Severity Diagnostic Tool
Dynamic, interactive evaluation interface that guides the determination of numerical severity scores.

Partnered with scopito
ENABLING THE FUTURE OF VISUAL INSPECTIONS

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