

CONDITION MONITORING SYSTEM for the Oil and Gas Industry

Rugged Monitoring's Condition Monitoring solutions provide critical real-time insights for the oil & gas industry, significantly improving the performance, guaranteeing safety both onshore and offshore, and maximizing the Return of Interest (ROI) by ensuring smooth performance of all assets.

OUR SOLUTION

The Oil & Gas industry functions under immense pressure, constantly aiming to balance efficiency, safety, and profitability. In this high-stakes environment, even a tiny electrical malfunction can trigger a domino effect leading to production halts, safety hazards, and substantial financial losses. Rugged Monitoring caters to the unique challenges of the oil & gas industry, offering solutions designed to withstand the harsh realities of both onshore and offshore environments, be it during exploration (upstream), transportation (midstream), or refining (downstream) stages of your operations. Rugged Monitoring's condition monitoring solutions aid in informed decision-making, mitigating these risks and ensuring smooth operation.

Our systems function by continuously monitoring key parameters of critical electrical assets like



Transformers



Switchgear



Power Cables



Rotating Machines



Circuit Breakers

Our advanced monitoring systems consisting of monitors, sensors, and our Advanced Asset Performance Management (APM) System, RM EYE, continuously monitor key parameters like temperature, vibration, pressure, current, and power consumption assisting in the early detection of any anomalies. This allows for proactive maintenance before issues escalate into catastrophic failures. With this foresight, you can schedule a targeted repair, minimize downtime, and prevent a complete system shutdown that could cripple the entire production.





RM's Condition Monitoring Systems provide valuable insights into the overall health and performance of your electrical assets.



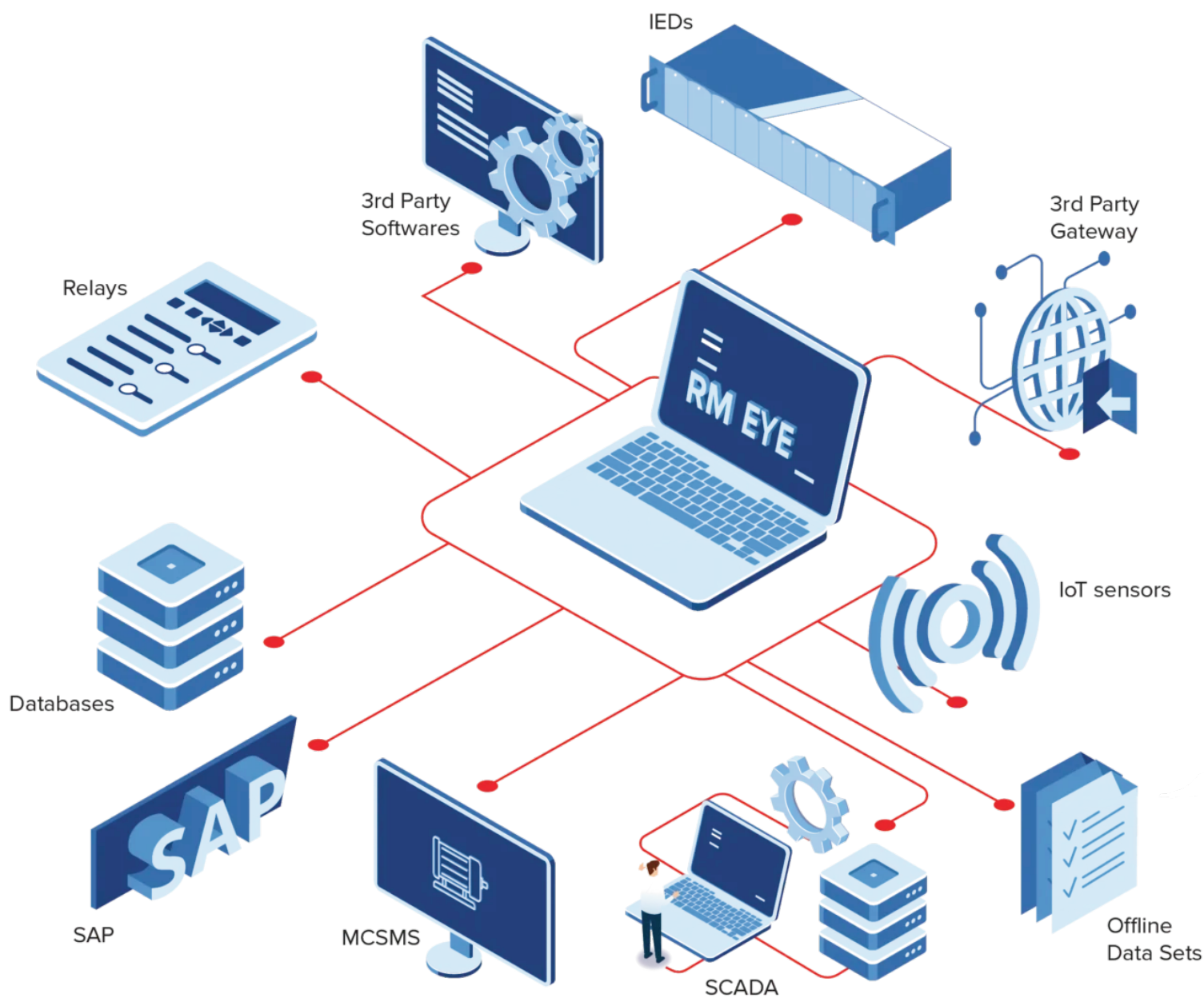
Benefits Of Condition Monitoring Systems In Oil & Gas:

- Enhanced safety of electrical assets
- Increased equipment lifetime
- Optimized Performance
- Reduced Downtime
- Cost Saving & High ROI
- Improved decision-making through predictive maintenance.
- Optimized Operations



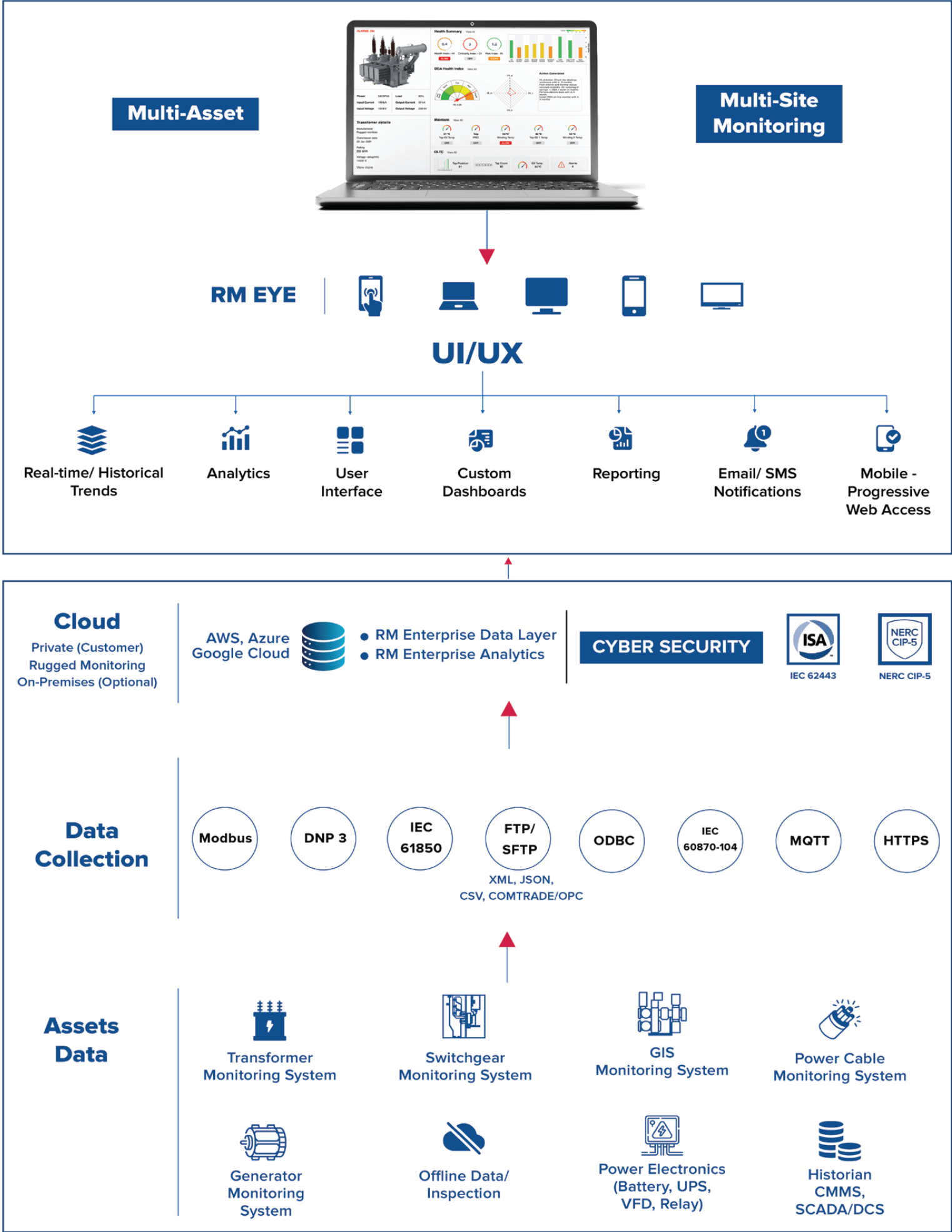
Enterprise APM Suite: RM EYE

RM EYE represents a paradigm shift in enterprise asset performance management through the condition monitoring of electrical assets. It uses an AI-driven approach to assess the health and performance of diverse assets, delivering transformative and sustainable outcomes related to their health, performance, energy efficiency, and integrity.



Rugged Monitoring's RM EYE transforms traditional time-based maintenance into a proactive approach, equipping businesses with real-time insights into the health of their electrical assets. By detecting potential issues early on it helps create a dependable and efficient predictive maintenance system.

RM EYE Architecture



One Solution for Multi-Site Multi Asset Monitoring

**RM Eye - Unified platform to monitor entire network
of electrical assets**

Features

- **Advanced asset health monitoring** with analysis and recommendations to increase asset effectiveness in addition to maximizing equipment uptime
- **Modern remote monitoring solutions** provide valuable insights to Multiple Assets at Multiple Sites from time to time
- **Establish a real time and consistent monitoring** by getting the right information into right hands
- **Simple and user-friendly interface** providing easy and fast access to all the features
- **Everything about the asset at one place**
The raw data, analysis and recommendations
- **Advanced asset algorithms** for electrical assets to evaluate asset health
- **Advanced reporting technology with automated alerts**
- **An efficient, reliable partial discharge monitoring for all the assets**
- **A detailed comprehensive DGA analysis**
- **Built on well-established remote and cloud-based monitoring technology**
- **Quick configuration** so that you are not required to configure separately.
- **Protocols: IEC 61850, MODBUS, MQTT**
- **Robust integration with 3rd party systems and devices** with industry standard protocols
- **Bulk configuration imports for fast deployment**
- **Encompasses a secure access to data and configuration**
- **QR code scanner on mobile devices**
- **Accessible on web browser and mobile app**
- **Historical data storage and on demand access** via export feature
- **Extended multilingual support** to handle product inquires or troubleshoot problems proactively
- **Systematic fleet management analysis**
- **Offline test data integration and analysis**

Why Customers Choose Us ?



Expertise You can Trust

Backed by 100+ years of experience. we understand the unique demands of critical asset management across diverse industries.



Focus on Sustainability

Our Solutions are designed to help you reduce energy consumption, minimize waste, and align with your sustainability goals.



Money Matters

We offer competitive and transparent market pricing to protect you from currency fluctuations.



Customer Centric Approach

From consultation to deployment and beyond, we are committed to delivering exceptional support, personalized service, and timely project completion.

CERTIFICATIONS



ISO 9001:2015



ISO 14001:2015



ISO 45001:2018



Lloyd's
Register



Atex
Certification



NIST
Certification

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