



**Tailored products to meet
the specific needs of
OEMs in various industries.**

Innovative solutions for monitoring and diagnosing
electrical assets across industries and locations.

RM's Solution for OEM's

Condition-based monitoring (CBM) is a proactive approach to maintaining electrical assets, focusing on collecting and analyzing data to detect potential issues before they escalate into failures. This strategy is highly valued by Original Equipment Manufacturers (OEMs) for its cost-effectiveness, minimizing unnecessary inspections and maintenance.

CBM involves the installation of sensors to monitor variables like vibration and temperature in electrical equipment. Data collected from these sensors is then transmitted to a computer, application, or cloud platform for analysis. This analysis enables personnel to identify anomalies and take corrective actions promptly.

The Industrial Internet of Things (IIoT) plays a crucial role in advancing CBM by leveraging connected digital technology to optimize maintenance routines. By enhancing reliability, efficiency, and safety of electrical systems, IIoT-driven CBM aligns with the objectives of OEMs in providing high-quality, reliable equipment to their customers.

Enhance your customer offerings by teaming up with us to provide cutting-edge remote monitoring solutions for the equipment you provide. Our innovative products and services cater to various industries, facilitating the monitoring and diagnosis of electrical assets across multiple locations. Our diverse range of products is meticulously crafted to meet the specific needs of OEMs.



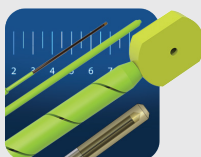
Features

- Predictive Analytics and Real time Monitoring
- Customizable Thresholds and Alarms
- Historical Data Analysis
- Scalable and User Friendly Interface
- Compliance and Advance Reporting

Benefits

- Increased Reliability
- Minimised Downtime and Extended Lifespan
- Enhanced Customer Satisfaction
- Optimised Maintenance and Improved Safety
- Streamlined Operations and Data Driven Decision Making

Our innovative and most advanced online/offline electrical asset monitoring solution for OEMs



Sensors



Monitors



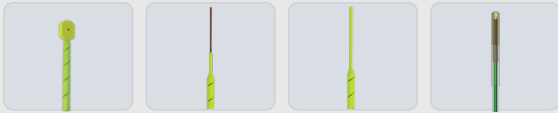
Software

RM's Products

Sensors

Rugged Monitoring's high-quality sensors are designed to meet the specifications and requirements of the customers to sense the faults in electrical assets

- **FO Temperature Sensors**



- **HF Partial Discharge Sensors**



- **UHF Partial Discharge Sensors**



- **Dissolved Gas Analysis Sensor**



Monitors

- **Modular Monitors**

Completely configurable rackmount monitoring solution with the option of 8 or 4 chassis



- **Online Partial Discharge Monitors**

Specially designed high frequency and ultra-high frequency partial discharge monitors with 4 or 8 HF and UHF PD Channels



- **FO Temperature Monitors**

Specifically designed for precise and advance online temperature monitoring devices for diversified electrical assets



- **Portable Partial Discharge Monitors**

High Frequency and Ultra-High Frequency Portable Partial Discharge Monitor with various frequency responses



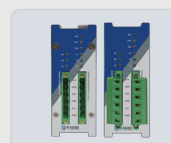
- **CBM Monitors**

Most comprehensive and multi-functional monitors to monitor various parameters of the electrical assets



- **Bushing Monitoring**

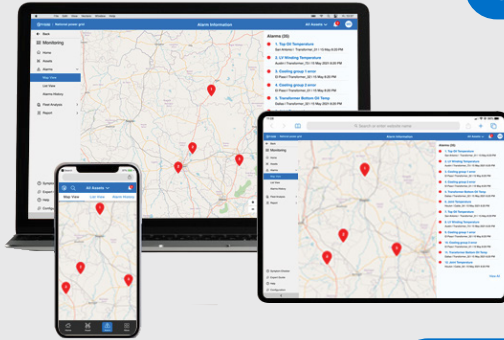
Operating under high voltage substation environments with greater reliability BM201 measures Power Factor/Tan δ and Capacitance from the bushing test tap adaptors



Asset Monitoring : Enterprise Architecture

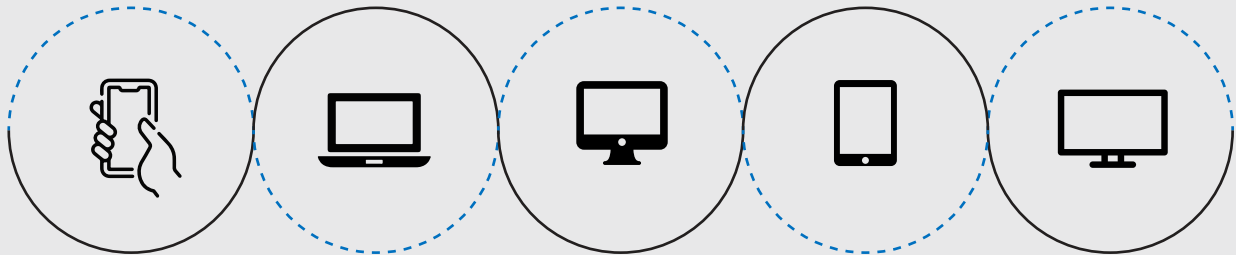
Compatible with Rugged Monitoring Enterprise Solution

UI UX



- Data Layer
- Analytics
- User Interface
- Custom Dashboards
- Reporting
- Email/SMS Notifications

RM EYE



Private Cloud (Customer Cloud),
Rugged Monitoring Cloud

IEC 60870-104

IEC 61850

FTP/SFTP

- XML, JSON

- CSV, COMTRADE



Data Collection

ODBC

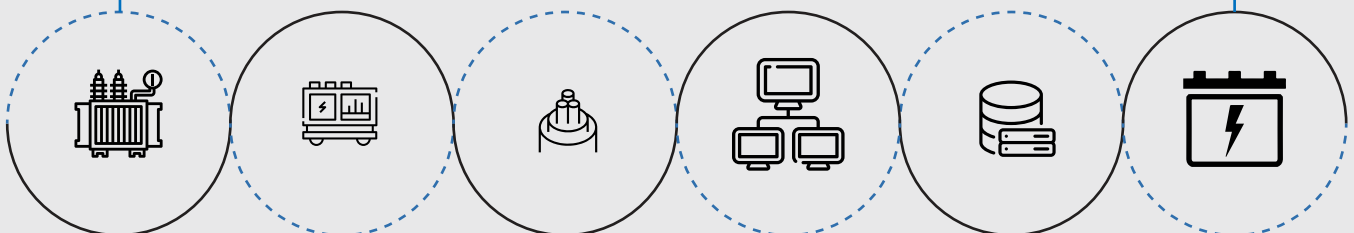
MODBUS

DNP 3.0

HTTPS

MQTT

Asset Data



Transformer
Monitoring
System

Switchgear
Monitoring
System

Power Cable
Monitoring
System

- Offline Test Results
- Inspection Records
- Name Plate

- Historian
- CMMS
- SCADA/ DCS

Power Electronics
(Battery, UPS,
VFD, Relay)

Why Customers Choose Us?

RM solution, the trusted monitoring solution for over 10000+ assets across 50+ countries. We are a leading High Value Electrical Asset Monitoring Company integrating fibre optic technology to the assets.



Attention to Details

It's our attention to the small stuff, scheduling of timelines and keen project management that makes us stand out from the rest.



A plan for Success

Our Customers are well satisfied with the advisory services that we offer to help them with best in class technological performance and a long durable life.



Experts only

We bring in our diversified experienced team with over 100+ years of experience in Asset Monitoring



Meeting Deadlines

Work with us, and you'll work with seasoned professionals – vigilant of deadlines, and committed to exceeding client expectations.



Money Matters

We protect you against currency fluctuation with competitive and fair market prices



Rugged Monitoring Services

Rugged Monitoring provides customization of sensors, monitors & software. In addition we offer on-site commissioning services, maintenance contracts and technical support to all customers worldwide.

About Rugged Monitoring

Industry's leading team of asset condition monitoring experts with 100+ years of combined experience committed to delivering customizable solutions for challenging applications. We offer a range of reliable, high performance, customizable sensors and monitoring solutions that are immune to external influence.

Certification



ISO 9001



ISO 14001



ISO 45001/
OHSAS 18000



Lloyd's
Register



ATEX
Certification

Our Presence Across the Globe



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