



FACTORY DATA MANAGER (FDM)

ROBUST INDUSTRY 4.0 AND IOT SOLUTIONS

Transforming Industrial Data into **INSIGHTFUL ACTION**

FDM is a powerful IoT platform that captures and converts factory floor data into real-time insights. With advanced dashboards, analytics, and reporting tools, industries can make smarter, faster, and more sustainable decisions.



Real-time industrial IoT platform that monitors and analyzes energy, equipment, and operations across factories turning raw data into powerful insights



**Industrial IoT
Solutions That
Help You Save
Energy, Reduce
Costs, and
Improve Uptime**

WHAT IS FACTORY DATA MANAGER ?

Factory Data Manager (FDM) is a cutting-edge industrial IoT platform developed by Iotmatrix PVT LTD. It empowers industries to monitor and manage their energy and operational data in real time. By connecting directly with factory equipment through protocols like Modbus, MQTT, and OPC UA, FDM captures live performance metrics and translates them into intuitive dashboards, alerts, and customized reports.



ABOUT Our Software

FACTORY DATA MANAGER

lotmatrix consolidates facility operations into a single platform—monitor environmental parameters, track personnel or equipment indoors and outdoors, and set geofenced alerts. With customizable notifications and detailed logs, you maintain oversight, improve safety, and optimize workflows—anytime, anywhere.



lotmatrix empowers industries to monitor assets, utilities, environments, and personnel in real time enabling smarter decisions, enhanced safety, and optimized performance from a single intelligent platform."

IOTMATRIX PVT LTD





FDM: The Future of

Industrial Data Management

Today's industries need more than just data—they need actionable insights. FDM delivers exactly that. From real-time monitoring and energy heatmaps to historical reports and predictive alerts, Factory Data Manager helps you gain control over your entire operation. Identify inefficiencies, automate alarms, and stay one step ahead with intelligent dashboards and customizable reports—all from one centralized system.



Challenge

Modern factories generate endless data, yet most of it is wasted—causing rising energy bills, breakdowns, and inefficiency. FDM turns this raw data into real-time intelligence that drives smarter decisions.



Solution

FDM delivers instant visibility through live dashboards, predictive maintenance alerts, automated reports, and seamless connectivity with industrial protocols—making your factory truly connected and intelligent.



Advantage

With FDM, industries cut energy costs, prevent downtime, and see fast ROI. It also simplifies compliance by producing accurate, audit-ready reports without extra effort.



Impact

FDM transforms operations into data-driven ecosystems. It empowers manufacturers to boost performance, stay sustainable, and embrace the promise of Industry 4.0 with confidence.



ROBUST INDUSTRY 4.0 AND IOT SOLUTIONS

OUR MISSION

The Mission of lotmatrix PVT LTD within Industry 4.0 is to create a Seamless, Interconnected ecosystem where data flows freely between Machines, Sensors, and Systems. This Connectivity Facilitates real-time Monitoring, Predictive Maintenance, and Autonomous Decision-making, Leading to Optimized Production processes and Enhanced Operational Efficiency.



UNLOCK REAL-TIME INSIGHTS WITH FACTORY DATA MANAGER (FDM)

"Empower your factory with FDM – unlocking real-time operational intelligence to transform productivity, minimize downtime, and lead with data-driven excellence."

LIVE DATA DASHBOARDS

FDM provides real-time visibility into energy consumption, equipment performance, and process metrics through customizable dashboards.

INSTANT ALERTS & NOTIFICATIONS

With real-time data streaming, FDM automatically detects abnormalities or threshold breaches and sends immediate alerts via email, or app notifications



Faster Decision
Making



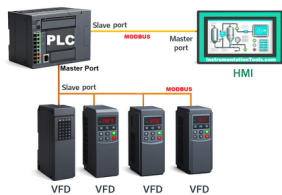
Predictive
Maintenance



Improved Energy
Efficiency

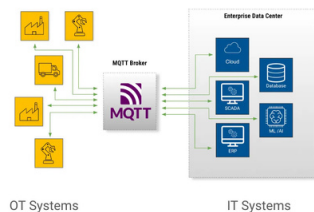


Operational
Visibility



MODBUS SUPPORT (TCP & RTU)

Modbus is one of the most widely used industrial communication protocols, and FDM fully supports both Modbus TCP and Modbus RTU connections.



MQTT (MESSAGE QUEUING TELEMETRY TRANSPORT)

MQTT is a lightweight, fast, and scalable publish/subscribe protocol ideal for IoT systems.



OPC UA (OPEN PLATFORM COMMUNICATIONS)

OPC UA is a robust, secure industrial protocol for cross-platform interoperability between machines and software.

CUSTOM DASHBOARDS AND REPORTS

Design intuitive dashboards tailored to your operations. Generate daily/monthly PDF and Excel reports to monitor trends, benchmark performance, and support audits and compliance.

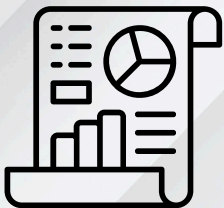
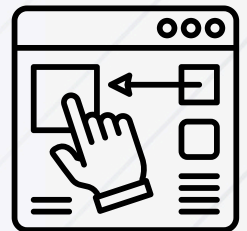


Tailored Visualizations

A data representation designed and customized to meet the specific needs and goals of a particular audience or situation, rather than using a standard, one-size-fits-all approach

Drag-and-Drop Widgets

Create user-specific views with customizable graphs, heat maps, and KPIs—ensuring fast and focused monitoring.



Automated Reporting

Generate daily, weekly, or monthly reports in Excel or PDF formats to track consumption trends and system performance.

Historical Insights

Combine live data with historical logs to analyze patterns, forecast usage, and support data-driven decision-making.



HISTORICAL DATA ANALYSIS & COMPLIANCE



DETAILED TREND ANALYSIS

FDM stores historical energy and operational data, enabling users to analyze trends over time for improved forecasting, planning, and performance optimization.



REGULATORY & AUDIT SUPPORT

Easily generate accurate reports and maintain long-term data logs that support audits and ensure compliance with industry standards and energy regulations.



DATA-DRIVEN DECISION- MAKING

Historical records empower stakeholders to identify recurring issues, compare performance across timeframes, and implement long-term efficiency strategies.

“ Harness the Power of Data to Drive Smarter Decisions,
Ensure Regulatory Compliance, and Build a Future-
Ready Industrial Operation.

”

THANK YOU!

“Thank you for taking the time to explore how Factory Data Manager can transform your operations. We look forward to supporting your journey toward smarter, more efficient, and data-driven industrial growth.”

GET IN TOUCH



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