



FACTOMATION

FACTO INDUSTRIAL INTELLIGENCE PLATFORM

Digitizing Industrial Operations Through Unified Industrial Intelligence

FACTOMATION develops next-generation industrial software, automation systems, SCADA platforms, energy intelligence, Industrial IoT solutions and enterprise integrations that transform industrial data into actionable business insights.

FACTO Product Ecosystem

FACTO SCADA

FACTO EMS

FACTO BMS

FACTO Historian

FACTO Analytics

FACTO Edge

FACTO Mobile

FACTO Cloud

100K+

Industrial Tags

500+

Concurrent Users

24x7

Monitoring

99.9%

Availability

One Platform.

Connected Operations • Smarter Decisions • Digital Transformation

About FACTOMATION

Industrial Automation • SCADA • IIoT • Energy Intelligence

FACTOMATION PRIVATE LIMITED is an Industrial Automation, Digital Transformation and Industrial Software company focused on building intelligent solutions for manufacturing, infrastructure, utilities, commercial facilities and smart industries.

Engineering Industrial Intelligence

FACTOMATION bridges Operational Technology (OT) and Information Technology (IT) through automation systems, industrial software, energy intelligence and enterprise connectivity solutions.

Who We Are

Industrial Automation

PLC, SCADA, HMI, Process Control and Plant Digitization.

Industrial Software

Enterprise-grade industrial applications under the FACTO ecosystem.

IIoT & Connectivity

Secure integration between field devices, cloud and enterprise systems.

Energy Intelligence

Energy monitoring, analytics and optimization solutions.

Our Mission

Deliver intelligent industrial solutions that improve productivity, reliability, sustainability and operational excellence.

Our Vision

Become a globally recognized industrial technology company delivering world-class automation and industrial intelligence platforms.

Why FACTOMATION

Automation • Software • IIoT • Energy Intelligence

FACTOMATION delivers complete industrial digital transformation solutions—from field instrumentation and control systems to enterprise software and cloud analytics.

End-to-End Engineering

Design, manufacturing, software development, commissioning and support from a single partner.

Vendor Independent

Integration with PLCs, meters, sensors and devices from multiple manufacturers.

Scalable Platforms

Suitable for standalone plants, multi-site operations and enterprise deployments.

Future Ready

Cloud connectivity, mobile access, analytics and industrial AI readiness.

Core Capabilities

Control Panels

PLC Programming

SCADA Systems

Energy Management

Battery Monitoring

Industrial IoT

Industries We Serve

Manufacturing

Automotive

Pharmaceutical

Chemical

Water & Wastewater

Energy

Commercial Buildings

Infrastructure

FACTO Industrial Intelligence Platform

Unified Monitoring • Analytics • Mobility • Enterprise Integration

FACTO is the flagship Industrial Intelligence Platform developed by FACTOMATION. The platform is engineered to unify industrial monitoring, energy intelligence, operational analytics, mobility and enterprise connectivity into a single scalable ecosystem.

One Platform. Multiple Solutions.

FACTO eliminates fragmented industrial software by providing a centralized platform that connects field devices, PLCs, instrumentation, energy meters, SCADA systems, cloud services and enterprise applications.

The platform is designed for industries seeking real-time visibility, operational efficiency, predictive insights and digital transformation initiatives.

Unified Digital Architecture

Field Layer

PLCs
Sensors
Energy Meters
Drives & Controllers

Connectivity Layer

FACTO Edge
Protocol Drivers
Data Collection
Store & Forward

Application Layer

SCADA
EMS
Analytics
Enterprise Integration

Built For Modern Industry

- ✓ Real-Time Monitoring
- ✓ Historical Data Storage
- ✓ Alarm & Event Management
- ✓ Mobile Accessibility
- ✓ Cloud Connectivity
- ✓ Multi-Site Monitoring
- ✓ Enterprise Integration
- ✓ Industrial Cyber Security

FACTO Product Ecosystem

Modular • Scalable • Enterprise Ready

The FACTO ecosystem consists of specialized industrial software modules that work independently or together as a unified industrial intelligence platform.

FACTO SCADA

Monitoring & Control

FACTO EMS

Energy Intelligence

FACTO BMS

Battery Monitoring

FACTO Historian

Data Archiving

FACTO Analytics

KPIs & Insights

FACTO Edge

Industrial Gateway

FACTO Mobile

Mobile Monitoring

FACTO Cloud

Enterprise Connectivity

Platform Advantages

✓ Single Unified Platform

✓ Vendor Independent Integration

✓ Industrial Protocol Support

✓ Enterprise Ready Architecture

✓ Web & Mobile Accessibility

✓ On-Premise & Cloud Deployment

FACTO Platform Vision

Deliver a single source of industrial truth by integrating operational technology, industrial data, energy intelligence, analytics and enterprise systems into one connected ecosystem.

Industrial Control Panel Solutions

Design • Engineering • Manufacturing • Testing

FACTOMATION designs and manufactures industrial control panels for automation, energy management, process control and plant monitoring applications. Every panel is engineered for reliability, maintainability and long-term industrial operation.



Panel Types

PLC Panels

Centralized machine and process automation control systems.

SCADA Panels

Data acquisition, communication and supervisory control.

MCC Panels

Motor control and protection systems for industrial plants.

PCC Panels

Power distribution and electrical protection applications.

VFD Panels

Energy-efficient motor speed control solutions.

RTU Panels

Remote monitoring and telemetry systems.

Engineering Capabilities

- ✓ Electrical Design & Drawings
- ✓ GA & SLD Preparation
- ✓ Component Selection
- ✓ Wiring & Termination
- ✓ Factory Acceptance Testing
- ✓ PLC Integration
- ✓ SCADA Integration
- ✓ Network Architecture
- ✓ Remote Monitoring Ready
- ✓ Site Commissioning Support

Quality & Compliance

All panels are manufactured using high-quality industrial components and undergo rigorous inspection, wiring verification, continuity testing and functional testing before dispatch. Designs follow industry-standard electrical engineering practices to ensure safety, reliability and ease of maintenance.

FACTO SCADA

Real-Time Monitoring • Visualization • Control

FACTO SCADA is an enterprise-grade Supervisory Control and Data Acquisition platform designed for industrial monitoring, visualization, alarming, reporting and operational intelligence.

Complete Operational Visibility

Monitor production assets, utilities, process equipment, energy systems and infrastructure from a centralized dashboard environment.

Access live process values, trends, alarms, reports and KPIs through web and mobile interfaces.

Platform Interface



Key Highlights

✓ Centralized Monitoring

✓ Faster Decision Making

✓ Reduced Downtime

✓ Improved Productivity

Advanced Features & Capabilities

Real-Time Monitoring

Live process visualization and equipment status monitoring.

Historical Trending

Long-term storage and trend analysis of industrial data.

Alarm Management

Alarm generation, acknowledgement and escalation.

Event Logging

Complete audit trail of operational activities.

Role-Based Security

User access control and permission management.

Web Dashboards

Browser-based monitoring from any location.

Typical Applications

Manufacturing Plants • Water Treatment • Utilities

Commercial Buildings • HVAC Systems

Renewable Energy • Infrastructure Projects

Process Industries • Energy Systems

Additional Benefits

✓ Better Asset Utilization

✓ Mobile Accessibility

✓ Automated Reporting

✓ Enterprise Integration

Deployment Options

Deploy FACTO SCADA as a standalone system, multi-site enterprise platform, private cloud, public cloud or hybrid architecture.

FACTO Energy Management System

Energy Intelligence • Monitoring • Analytics • Optimization

FACTO EMS is an enterprise-grade Energy Management System designed to monitor, analyze and optimize energy consumption across industrial plants, commercial facilities, utilities and infrastructure projects.

Measure. Analyze. Optimize.

FACTO EMS transforms electrical and utility consumption data into actionable insights, enabling organizations to reduce operational costs, improve efficiency and achieve sustainability goals.

EMS Dashboard



Monitored Parameters

Voltage • Current • Frequency • Power Factor • Active Power (kW) • Reactive Power (kVAR) • Apparent Power (kVA) • Energy Consumption (kWh)

Energy Analytics & Optimization

Real-Time Monitoring

Live visibility of energy consumption.

Load Profiling

Analyze consumption behavior over time.

Demand Analysis

Monitor maximum demand and peak usage.

Cost Allocation

Department-wise energy cost distribution.

Automated Reports

Daily, weekly and monthly reporting.

Mobile Access

Access dashboards from anywhere.

Key Performance Indicators

SEC
Specific Energy Consumption

Carbon Tracking
CO₂ Monitoring

Efficiency Index
Performance Benchmarking

Business Benefits

✓ Reduce Energy Costs

✓ Improve Efficiency

✓ Avoid Utility Penalties

✓ Optimize Demand Charges

✓ Sustainability Reporting

✓ Data-Driven Decisions

Seamless Integration

FACTO EMS integrates with multifunction meters, energy analyzers, DG systems, solar plants, utility feeders and enterprise platforms through Modbus RTU, Modbus TCP, MQTT, OPC UA and REST APIs.

FACTO Battery Monitoring System

Battery Intelligence • Reliability • Predictive Maintenance

FACTO BMS is an advanced Battery Monitoring System designed for continuous monitoring and analysis of battery banks used in UPS systems, telecom infrastructure, energy storage systems and mission-critical facilities.

Protect Critical Power Infrastructure

Detect battery degradation, voltage imbalance, temperature abnormalities and potential failures before they impact operational continuity.

BMS Dashboard



Monitored Parameters

Cell Voltage • String Voltage • Current • Internal Resistance • Temperature • State of Charge (SOC) • State of Health (SOH) • Ripple Current • Battery Capacity

Monitoring, Analytics & Protection

Cell-Level Monitoring

Monitor every battery cell individually.

Temperature Tracking

Detect thermal abnormalities early.

Resistance Analysis

Identify aging and deteriorating cells.

Real-Time Alerts

Instant notifications for critical events.

Trend Analytics

Historical performance tracking.

Remote Monitoring

Access battery health from anywhere.

Protection Functions

Over Voltage • Under Voltage • Over Temperature • String Imbalance Detection • Cell Failure Detection • Thermal Runaway Warning • Predictive Maintenance Alerts

Typical Applications

Data Centers • UPS Systems • Telecom Towers

Solar Energy Storage • Battery Energy Storage Systems (BESS)

Hospitals • Industrial Plants • Utilities

Business Benefits

✓ Prevent
Unexpected Failures

✓ Increase Battery
Life

✓ Reduce
Maintenance Costs

✓ Improve System
Reliability

✓ Predictive
Maintenance

✓ Ensure Business
Continuity

FACTO Chiller Monitoring Platform

HVAC Intelligence • Energy Optimization • Predictive Monitoring

FACTO Chiller is an intelligent monitoring and analytics platform designed to maximize chiller efficiency, reduce energy consumption and improve operational reliability across industrial plants, commercial buildings, hospitals and data centers.

Optimize Cooling Performance

Continuously monitor chiller health, cooling efficiency, energy consumption and operational parameters through real-time dashboards, alarms and analytics.

FACTO Chiller Dashboard



Real-Time Monitoring

- Chiller Status • Cooling Load • Supply Temperature • Return Temperature • Condenser Temperature • Compressor Status • Energy Consumption • Flow Rate • Pressure • Efficiency (COP)

Monitoring, Analytics & Optimization

Real-Time Monitoring

Continuous visibility of all operating parameters.

Alarm Management

Immediate notifications for abnormal conditions.

Performance Analytics

COP and efficiency calculations.

Historical Trending

Analyze long-term operational behavior.

Predictive Maintenance

Detect degradation before failure occurs.

Energy Optimization

Identify opportunities to reduce power usage.

Key Performance Indicators

COP

Efficiency Index

kW/TR

Energy Ratio

24x7

Monitoring

100%

Visibility

Applications

✓ Industrial Manufacturing Plants

✓ Commercial Buildings & Malls

✓ Hospitals & Healthcare Facilities

✓ Data Centers

✓ Pharmaceutical Facilities

✓ HVAC Infrastructure

Business Benefits

Reduced Energy Consumption • Increased Equipment Life • Lower Maintenance Cost • Improved Reliability • Reduced Downtime • Better Operational Efficiency

Supported Protocols & Connectivity

Vendor Independent • Multi-Protocol • Enterprise Ready

FACTO Platform is designed to connect seamlessly with industrial equipment, PLCs, RTUs, meters, sensors, building systems, cloud services and enterprise applications through a wide range of industry-standard communication protocols.

Unified Connectivity Architecture

PLCs • RTUs • Energy Meters • Sensors • BMS • HVAC



FACTO EDGE CONNECTIVITY LAYER



FACTO SCADA • EMS • BMS • Historian • Analytics



ERP • MES • SAP • Cloud • Mobile • Dashboards

Industrial Protocols

✓ Modbus RTU ✓ Modbus ASCII ✓ Modbus TCP ✓ OPC UA ✓ OPC DA ✓ Profinet ✓ EtherNet/IP ✓ BACnet IP ✓
BACnet MSTP ✓ CAN Bus

Power & Utility Protocols

IEC 60870-5-101 • IEC 60870-5-104 • DNP3 • DLMS/COSEM • IEC 61850 • SNMP

IIoT & Cloud Connectivity

MQTT • HTTPS • REST API • WebSocket • AMQP • JSON • XML

Database Connectivity

MySQL • PostgreSQL • Microsoft SQL Server • Oracle • MongoDB • InfluxDB

Enterprise Integration

SAP • ERP Systems • MES Platforms • CRM • Reporting Tools • Third-Party Applications

FACTO Deployment Architecture

On-Premise • Private Cloud • Public Cloud • Hybrid Infrastructure

FACTO Platform is designed for flexible deployment across industrial, commercial and enterprise environments. Whether operating a single facility or multiple geographically distributed sites, FACTO provides scalable architecture with centralized management, secure connectivity and high system availability.

Flexible Deployment Options

✓ On-Premise Deployment

Complete installation within customer infrastructure for maximum control and data ownership.

✓ Private Cloud

Dedicated cloud environment with enhanced security, compliance and centralized access.

✓ Public Cloud

Deploy on AWS, Azure or other cloud providers for rapid scalability and remote accessibility.

✓ Hybrid Architecture

Combine local control with cloud analytics and enterprise-wide visibility.

Infrastructure Compatibility

Operating Systems

Windows Server & Linux Server

Databases

MySQL, PostgreSQL, MSSQL

Virtualization

VMware, Hyper-V, Proxmox

Cloud Platforms

AWS, Azure, Private Cloud

Enterprise Scalability

| | | | |
|--------------------------------|---------------------------------|---------------------------------|---------------------------------|
| <p>1+</p> <p>Plants</p> | <p>100K+</p> <p>Tags</p> | <p>500+</p> <p>Users</p> | <p>Multi</p> <p>Site</p> |
|--------------------------------|---------------------------------|---------------------------------|---------------------------------|

Architecture Benefits

Modular Architecture • Distributed Deployment • High Availability • Centralized Management • Edge Intelligence • Enterprise Integration • Secure Communication • Cloud Synchronization • Disaster Recovery Ready • Future-Proof Scalability

Deployment Use Cases

✓ Manufacturing Facilities

✓ Multi-Plant Enterprises

✓ Smart Buildings & Campuses

✓ Utilities & Infrastructure

Industries Served

Manufacturing • Infrastructure • Utilities • Smart Facilities

FACTOMATION delivers automation, digital transformation and industrial intelligence solutions across a wide range of industries. The FACTO Platform is designed to adapt to diverse operational environments, enabling real-time monitoring, analytics, optimization and enterprise integration.

Manufacturing

Production Monitoring, OEE, Utilities & Process Automation

Automotive

Assembly Lines, Utilities, Energy & Quality Monitoring

Food & Beverage

Batch Processes, Utilities & Compliance Reporting

Pharmaceutical

Environmental Monitoring, Utilities & Data Integrity

Chemical

Process Control, Safety Monitoring & Analytics

Textile

Production, Energy and Water Consumption Monitoring

Water & Wastewater

Pumping Stations, Treatment Plants & Distribution Networks

Commercial Buildings

HVAC, Energy, Utilities & Building Management

Infrastructure

Airports, Railways, Campuses & Smart Facilities

FACTO Platform Applications

SCADA Monitoring • Energy Management • Battery Monitoring • Chiller Analytics • Historian • Predictive Analytics • Asset Monitoring • Industrial IoT • Enterprise Integration

Business Outcomes

✓ Increased Operational Visibility ✓ Reduced Energy Costs ✓ Improved Equipment Reliability ✓ Centralized Monitoring ✓ Faster Decision Making ✓ Improved Sustainability Performance ✓ Reduced Downtime ✓ Data-Driven Operations

One Platform. Multiple Industries.

Built to scale from individual assets to enterprise-wide operations.

Customer Benefits & ROI

Energy Savings • Downtime Reduction • Productivity Growth • Operational Intelligence

The FACTO Platform transforms industrial operations into a measurable, data-driven ecosystem. It does not just monitor systems — it continuously identifies inefficiencies, predicts failures, and improves overall plant performance in real time.

Industries using FACTO solutions experience a shift from **reactive operations** to **predictive and optimized operations**, enabling higher productivity with lower operational cost and improved asset lifespan.

Energy Cost Reduction

Up to 10–30% reduction in electricity consumption through continuous monitoring and optimization strategies.

Downtime Reduction

Early fault detection and predictive alerts minimize unexpected breakdowns and production losses.

Operational Efficiency

Improved machine utilization, balanced load distribution, and optimized process control.

Maintenance Optimization

Transition from reactive maintenance to condition-based and predictive maintenance models.

Workforce Efficiency

Reduced manual monitoring with automated dashboards and real-time alerts.

Decision Intelligence

Centralized analytics empower faster, data-backed operational decisions.

30%

Energy Savings

40%

Downtime Reduction

25%

Maintenance Savings

2x

Productivity Growth

Return on Investment (ROI)

In most industrial deployments, FACTO solutions deliver measurable ROI within **6 to 18 months**. The system continuously reduces hidden losses such as energy waste, idle running, process inefficiencies, and unplanned downtime.

Over time, the platform becomes not just a monitoring system, but a **profit optimization layer for the entire plant**.

“You don’t just automate a plant — you unlock its hidden profit potential.”

FACTOMATION helps industries move from visibility → control → intelligence → profitability.

Support & Services

End-to-End Engineering • 24×7 Support • Lifecycle Services

FACTOMATION provides complete lifecycle support for industrial automation and digital transformation projects — from concept design to commissioning and long-term operational support.

Our support model ensures that every deployed system remains reliable, scalable, and optimized throughout its operational lifetime. We work as a long-term technology partner, not just a vendor.

Core Services

Engineering Consultancy

System design, architecture planning, feasibility studies and industrial audits.

System Integration

PLC, SCADA, IoT and enterprise system integration across multiple platforms.

Control Panel Manufacturing

Design and manufacturing of PLC, MCC, PCC, VFD and automation panels.

SCADA Development

Customized SCADA dashboards, alarms, reporting and analytics systems.

PLC Programming

Logic development, commissioning and optimization for industrial automation.

Industrial IoT Integration

Edge connectivity, cloud integration and real-time data acquisition systems.

Support Model

On-Site Support

Commissioning, troubleshooting, upgrades and maintenance at plant location.

Remote Support

24×7 remote diagnostics, system monitoring and software assistance.

Annual Maintenance (AMC)

Scheduled maintenance, system health checks and performance optimization.

Training Programs

Operator training, engineering training and system handover sessions.

Why Our Support Matters

Industrial systems require continuous optimization, not just installation. FACTOMATION ensures maximum uptime, minimal disruption, and consistent performance improvement across the entire system lifecycle.

"We don't deliver projects — we deliver long-term reliability."

24×7 Technical Support • Lifecycle Partnership • Continuous Improvement

Get in Touch

Let's Build Your Industrial Intelligence System

Whether you are planning a new automation project or upgrading an existing system, our team is ready to assist you with complete engineering, software and integration support.

Corporate Office

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Quick Response Channels

Sales Inquiry

New projects, automation systems, SCADA & EMS solutions.

Technical Support

Existing system support, troubleshooting & AMC services.

Partnership

OEM collaboration, system integration & channel partners.

Start Your Digital Transformation Today

From field devices to cloud intelligence — we connect everything.

FACTOMATION

Engineering Industrial Intelligence for the Future



FACTO INDUSTRIAL INTELLIGENCE PLATFORM

Engineering Industrial Intelligence

We design and deliver next-generation industrial automation, SCADA systems, energy intelligence platforms, IIoT solutions and enterprise integration systems that transform industries into smart, connected and data-driven ecosystems.

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Let's Build Smarter Industries Together

Automation • Intelligence • Connectivity • Performance