MITSUBISHI ELECTRIC

Changes for the Better

Automating the World

SMART BUILDING SOFTWARE SOLUTIONS

With Mitsubishi Electric Iconics Digital Solutions

- **Unified Building Automation**
- **Energy Management and Sustainability**
- **Advanced Visualization and Reporting**
- **Occupant Comfort**
- **Universal Connectivity**

SMART BUILDING SOFTWARE

Property managers of industrial plants and facilities are under constant pressure to improve comfort, efficiency, and sustainability and to reduce overall energy costs. Smart building solutions turn data and information into actionable insights, integrating with existing equipment, BMS, SCADA, and control systems.

UNIFIED BUILDING AUTOMATION

Operate your facilities at peak efficiency and maximum comfort by integrating all mechanical, electrical, safety, lighting, video, and card access into an operations center. Mitsubishi Electric Iconics Digital Solutions unifies systems into a single operator workstation for coordinating resources and includes simple-to-create floor plans and graphics, alarming, trending, and scheduling with BACnet discovery. Operate facilities with a web browser or access information from any device.

- Easily import 2D, 3D, and BIM designs
- Navigate alarms and trends with real-time tree explorers
- Coordinate controls and schedules across buildings
- Integrate with existing equipment for rapid ROI

SIMPLE TO ENGINEER & DEPLOY

MEIDS building automation solutions require no programming. Engineers, consultants, and controls specialists can configure dashboards using one of our many standard features, like Quick Connect Meters, found in our web-enabled Workbench, which reduces costs and accelerates deployment. It is a centralized platform to create, engineer, and deploy custom configurations.

> **MSC Cruises sought a modern monitoring and control system for its latest cruise ship, the MSC Meraviglia. They selected MEIDS' GENESIS64 to manage its HVAC system for approximately 450 fans, 820 sensors, and 1,000 actuators, managing the comfort of up to 5,714 guests.**
>
> MCS Cruises | Saint-Mazaire, France

FAULT DETECTION IMPROVES MAINTENANCE

Real-time fault detection and diagnostics (FDD) technology assists with commissioning and making improvement recommendations. It predicts equipment faults and proactively identifies energy offenders. When failures occur, automated fault diagnostics analyze sensor readings and provide a list of possible causes of failure while providing guidance to the service technician. This systematically reduces the Mean Time to Diagnose (MTTD) and helps to lower maintenance costs.

- FDD predictive analytics identify system faults and failures
- Quickly deploy to expedite energy goals and ROI
- Reduce maintenance and determine probable causes
- Visualize and analyze facility operations and energy usage

ENERGY MANAGEMENT & SUSTAINABILITY

Our software solutions efficiently perform ongoing commissioning, energy management, and building automation. Collect, record, and visualize energy metrics while providing analytics for any facility. This powerful system provides the rich visualization dashboards and reporting needed to assist in making decisions to reduce energy cost and improve overall performance.

- Create energy dashboards with KPIs, metrics, and analytics
- Standard cost, consumption, and carbon reports
- Compare time to goals for facility improvements
- Integrate and log electricity, gas, steam, and other meters

UNIVERSAL CONNECTIVITY

MEIDS supports industry standard communications such as BACnet, Modbus, OPC, OPC UA, web services, IoT, and databases. Simple discovery of devices on the network makes integration seamless and easy including built-in support for native BACnet SC, alarms, trends and network objects. MEIDS modules communicate with Microsoft Azure or third-party applications by publishing on-premises data via popular secure IoT transport protocols. Our visualization, data historian, analytics, and mobile solutions then subscribe to and consume this data, enabling customers to easily create Smart Building applications. Information is collected, aggregated, and normalized from a wide variety of protocols and interfaces, including:

- BACnet
- Mitsubishi Electric FA
- OPC UA and Classic
- SNMP
- Databases
- Web Services
- Modbus
- AMQP, MQTT, Sparkplug B

ADVANCED VISUALIZATION & REPORTING

Create and deliver dazzling real-time collaboration portals and self-service executive dashboards with trends, alerts, and 2D & 3D rich animated graphics. Standard energy reports are automatically delivered with valuable building data. View and manage building operations using any desktop, web browser, kiosk, signage, or smart device. Integrate geospatial data into building controls leveraging GIS information from Esri, Google, and Bing® Maps.

OCCUPANT COMFORT

Organizations want a system that addresses the workplace needs of both occupants and management. The visualization, analytics, and notification software helps maintain safe occupancy levels, monitoring of the work environment, and occupant contact tracing.

BENEFITS

- Future-proof your investments in building automation
- Integrate with HVAC, lighting, security, and more
- Provide unified operations center monitoring and control
- Reduce energy and operations and maintenance (O&M) costs
- Instantly deliver alerts to mobile and smart devices
- Coordinate multiple buildings with a single schedule
- Scale from hundreds of BACnet devices

ABOUT US

Mitsubishi Electric Iconics Digital Solutions (MEIDS), headquartered in Foxborough, Massachusetts, is a global leader in industrial automation, smart and sustainable buildings, and digitalization software. Our advanced HMI, SCADA, and Smart Building solutions enable businesses to visualize, monitor, and optimize their most critical assets and spaces. With installations in over 100 countries and adoption by more than 70% of Global 500 companies, we drive operational efficiency and continuous improvement across industrial manufacturing, infrastructure, and built environment sectors. Backed by cutting-edge technology and deep industry expertise, we deliver flexible, scalable, and high-performance software solutions. As a testament to our excellence, Mitsubishi Electric Iconics Digital Solutions has been recognized as a seven-time winner of the Microsoft Partner of the Year award.

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