



Make the Invisible Visible™

A Group Company of



Building Software Solutions



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.

Corporate

Provide a single and normalized view of the health of all buildings and equipment in your enterprise portfolio.

Healthcare

Ensure a healthy building environment that is compliant with all regulations applicable to healthcare facilities, emphasizing air quality and sanitation.

Manufacturing

Maximize equipment uptime, reduce energy, carbon, and maintenance costs, correlate sustainability metrics to machine operation and performance data.

Airports

Improve airport operations by integrating all airport systems into a centralized dashboard, and deliver the best passenger experience.

Retail

Maintain a retail environment that promotes customer comfort and safety, as well as monitoring facilities and critical equipment.

Education

Keep campus buildings running efficiently and provide for staff/student comfort and safety.

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. ICONICS 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



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

Simple to Engineer and Deploy

ICONICS 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.

Advanced Visualization and 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.

Energy Management and Sustainability

ICONICS 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

Occupant Comfort

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

Universal Connectivity

ICONICS' 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. ICONICS modules communicate with Microsoft Azure or third-party applications by publishing on-premises data via popular secure IoT transport protocols. ICONICS' 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
- SNMP
- Modbus
- Mitsubishi Electric FA
- Databases
- AMQP, MQTT, Sparkplug B
- OPC UA and Classic
- Web Services

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





Founded in 1986, ICONICS, a group company of Mitsubishi Electric Corporation, is an award-winning global software provider offering real-time visualization, HMI/SCADA, energy management, fault detection, manufacturing intelligence, MES, and a suite of analytics solutions for operational excellence. ICONICS solutions are installed in 70 percent of the Global 500 companies around the world, helping customers to be more profitable, agile and efficient, to improve quality, and to be more sustainable.

ICONICS is leading the way in cloud-based solutions with its HMI/SCADA, analytics, mobile and data historian to help its customers embrace the Internet of Things (IoT). ICONICS products are used in manufacturing, building automation, oil and gas, renewable energy, utilities, water and wastewater, pharmaceuticals, automotive, and many other industries. ICONICS' advanced visualization, productivity, and sustainability solutions are built on its flagship products: GENESIS64™ HMI/SCADA, Hyper Historian™ plant historian, AnalytiX® solution suite, and MobileHMI™ mobile apps. Delivering information anytime, anywhere, ICONICS' solutions scale from the smallest standalone embedded projects to the largest enterprise applications.

ICONICS promotes an international culture of innovation, creativity, and excellence in product design, development, technical support, training, sales, and consulting services for end users, systems integrators, OEMs, and channel partners. ICONICS has over 375,000 applications installed in multiple industries worldwide.

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