Mitsubishi Electric Redefines the Industrial Future with ICONICS SCADA

As industrial digital transformation continues to accelerate with the aim of increasing efficiency, flexibility, and sustainability in production, SCADA (Supervisory Control and Data Acquisition) systems remain at the heart of this process. As an integral part of industrial automation, traditional SCADA solutions may not always be sufficient in rapidly changing and highly competitive industries. At this point, low-code SCADA solutions developed by ICONICS, Mitsubishi Electric's global software group, offer innovative answers to next-generation automation needs.

Mitsubishi Electric's low-code SCADA solutions effectively address today's industrial requirements while also providing flexibility and adaptability for future digital transformation processes. With these solutions, the future of industrial visualization and monitoring is being shaped.

ICONICS SCADA helps businesses overcome challenging factory automation processes by offering ease of use, cost efficiency, speed, and flexibility. While making production processes more efficient, these solutions enhance data-driven capabilities, enabling companies to adapt more easily to changing competitive conditions. Built on a low-code architecture, ICONICS SCADA delivers high performance and scalability, making it widely applicable across many industrial sectors. From system integrators to end users, ICONICS SCADA provides advanced features that help reduce costs. In this way, it stands out as a strategic driver in digital transformation journeys and supports future smart manufacturing needs.

Mitsubishi Electric's low-code SCADA solutions simplify the management and development of SCADA systems through visual interfaces and drag-and-drop functionality, eliminating the need for programming expertise. Going beyond traditional software development processes, they enable rapid application development and faster project completion. This approach reduces software development costs while allowing existing personnel to create solutions tailored to their own needs. At the same time, by making software development accessible to a broader audience, it encourages employees to solve their own challenges and generate innovative ideas.

ICONICS SCADA Hyper Historian Solution

ICONICS SCADA provides comprehensive data management through a modular structure designed to increase operational efficiency. Modules such as the GENESIS64 HMI/SCADA Automation Visualization Suite and Hyper Historian™ facilitate real-time data management and integration, helping organizations enhance performance. Hyper Historian™'s advanced data logging capabilities deliver significant advantages by organizing data from all sources.

With its advanced data integration capabilities, Hyper Historian™ can easily connect to devices via protocols and databases such as OPC DA, OPC UA, OPC HDA, OPC XML, SNMP, and BACnet. This enables the collection of information from different facilities and equipment, supporting broad data access and management. While ICONICS SCADA offers system integrators opportunities to add strategic value, it also provides engineers with user-friendly, productivity-enhancing tools, enabling more independent and optimized management of automation systems.

The CFSWorX™ module supports field service teams in transitioning from traditional fault/repair approaches to proactive facility and equipment management. Integrating with existing enterprise resource planning (ERP) and customer relationship management (CRM) systems, this module helps businesses across various sectors reduce downtime and lower maintenance costs.

Mitsubishi Electric Integrates ICONICS and EcoAdviser Platforms

Mitsubishi Electric has announced the integration of the ICONICS and EcoAdviser platforms, designed to revolutionize energy management with artificial intelligence capabilities.

The three key features of the ICONICS and EcoAdviser platforms can be summarized as **energy analytics**, **advanced dashboards**, and **automated reporting**. While ICONICS and EcoAdviser analyze energy losses and identify optimization opportunities, advanced dashboards provide a comprehensive view of energy measurements. Automated reporting further enhances efficiency by generating detailed energy efficiency reports.

Thanks to the integration of ICONICS and EcoAdviser, energy losses and the factors influencing them can be analyzed, enabling proactive and timely intervention. Integrated dashboards and reporting systems allow effective monitoring of energy management and operations through customizable indicators and detailed reports.