

The DataNavigateApp

Browser-based analytics makes production data directly accessible

Mitsubishi Electric Europe B.V. has introduced DataNavigateApp, a browser-based production analytics solution. It helps manufacturers capture and evaluate machine performance, downtime and energy consumption with greater transparency. Running directly on the MELSEC iQ-R C Intelligent Function Module, the software turns the controller into a plug-and-play analytics tool that provides real-time insight into plant performance, energy use, alarms and maintenance requirements.

Many production facilities already generate the data they need but make only limited use of its potential. The DataNavigateApp provides direct access to production and energy data through a standard web browser, making it available for analysis and optimization without additional engineering or programming. The data is accessed directly from the machine.

Installation is carried out using an SD memory card. Once installed, the analytics functions can be accessed through a standard web browser on a PC, tablet or other browser-enabled device. No additional HMI hardware or knowledge of PLC, ladder logic or C programming is required.

Machine performance, downtime and energy consumption at a glance

The DataNavigateApp combines time-based operating analysis, energy evaluation, cycle-time monitoring and alarm analysis in a single application. Preconfigured graphical dashboards present production and energy data clearly and support comparisons between different periods, machines or operating conditions. This helps users identify causes of downtime, reveal energy losses and prioritize targeted optimization measures.

The solution also supports predictive maintenance strategies by detecting changes in plant behavior at an early stage. It therefore provides companies with a practical starting point for improving overall equipment effectiveness (OEE) and progressively digitalizing production operations.

Straightforward integration into existing production environments

The DataNavigateApp visualizes data from the connected controller. Support for standardized communication protocols enables the PLC to collect information from Mitsubishi Electric systems as well as third-party equipment and systems and make it available to the app. Existing production data can be used without extensive changes to current PLC programs. This makes the solution particularly suitable for brownfield installations and heterogeneous machine fleets.

A scalable approach to digital production

Companies can begin with a single machine or production line and expand the application step by step as required.

“Many manufacturers already have the data they need. The challenge is to turn that information into actionable insight for the shop floor,” said Daniel Sperlich, Strategic Product Manager Controllers EMEA at Mitsubishi Electric. “The DataNavigateApp provides a straightforward route into production analytics and establishes a basis for informed decisions that improve productivity, energy efficiency and plant availability.”

Further information:

<https://emea-fa.mitsubishielectric.com/fa/plp/cnt/plc/plcr/datanavigateapp>

Images



Image 1: Production data at a glance: the DataNavigateApp provides real-time insight into machine performance, energy efficiency and plant availability directly in a web browser.

(Source: Mitsubishi Electric)



Image 2: Preconfigured dashboards and browser-based setup provide a fast route into production analytics without requiring programming expertise.

(Source: Mitsubishi Electric)



Image 3: Daniel Sperlich, Strategic Product Manager Controllers EMEA at Mitsubishi Electric

(Source: Mitsubishi Electric)

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About Mitsubishi Electric Corporation

With more than 100 years of experience in providing reliable, high-quality products, Mitsubishi Electric is recognised as a world leader in the manufacture, marketing and sales of electrical and electronic equipment. With more than 200 group companies and around 150,000 employees worldwide, the company develops, manufactures and sells products, systems and solutions for a broad range of industries and applications. These include energy and electric systems, defence and space systems, factory automation, automotive equipment, building systems, air-conditioning systems and home products, digital innovation, semiconductors and electronic devices. Guided by its corporate statement, **“Changes for the Better”**, Mitsubishi Electric aims to contribute to the development of society through technological innovation. In the fiscal year ended 31 March 2026, the company recorded consolidated revenue of 5,894.7 billion yen, approximately US\$36.8 billion*.

Mitsubishi Electric has maintained a branch office in Germany since 1978. Mitsubishi Electric Europe B.V. is a wholly owned subsidiary of Mitsubishi Electric Corporation, headquartered in Tokyo, Japan.

For more information, visit www.MitsubishiElectric.com.

**US dollar amounts are converted from yen at the rate of ¥160 to US\$1, the approximate rate on the Tokyo Foreign Exchange Market on 31 March 2026.*

About Mitsubishi Electric’s Factory Automation Business Group

Mitsubishi Electric offers a wide range of automation and processing technologies, including controllers, drive products, power distribution and control products, electrical discharge machines, electron beam machines, laser processing machines, computer numerical controllers and industrial robots. These technologies help manufacturers improve productivity and quality. Extensive service networks around the world provide customers with direct communication and comprehensive support. The global slogan “Automating the World” reflects the company’s approach to using advanced technologies, sharing expertise and supporting customers as a trusted partner to apply automation for the benefit of society.

Find out more about the “Automating the World” story here:

www.MitsubishiElectric.com/fa/about-us/automating-the-world

Mitsubishi Electric Industrial Automation

Mitsubishi Electric Europe B.V., Industrial Automation is headquartered in Ratingen, near Düsseldorf. It is part of Mitsubishi Electric Europe B.V., which has been represented in Germany since 1978 and is a wholly owned subsidiary of Mitsubishi Electric Corporation, Japan. The organisation manages sales, service and support for Industrial Automation in the DACH region and the Benelux countries.

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