

Mitsubishi Electric Europe launches browser-based production analytics app to simplify shopfloor visibility

Hatfield, UK – June 2026

[Mitsubishi Electric Automation Systems Division UK](#) has launched [DataNavigateApp](#), a browser-based production analytics solution designed to help manufacturers better understand machine performance, downtime and energy usage.

The launch comes as manufacturers face increasing pressure to improve productivity and reduce energy consumption amid rising operating costs, tighter production targets, and ongoing engineering resource constraints. While most factories already collect large volumes of machine data, many still struggle to turn that information into practical operational insight that teams can use on the shopfloor.

DataNavigateApp is a dedicated application for Mitsubishi Electric's MELSEC iQ-R series C Intelligent Function Module. Simply installed via an SD memory card, the browser-based solution supports visualisation at the production level, helping manufacturers take a first step towards wider factory visualisation, IoT and digital transformation initiatives.

The solution has been designed around three core principles: simple setup, monitoring from anywhere, and easy data collection. The application can be configured intuitively through a web browser with no programming required and without the need for specialised knowledge of ladder programming or C language programming, while machine status and production trends can be viewed remotely from PCs or tablets without dedicated HMI hardware.

DataNavigateApp also supports easy data collection from both Mitsubishi Electric and third-party PLC environments through standard industrial communication protocols. If the CPU module already holds production data, this information can be easily visualised without extensive integration work or modifications to existing PLC programs, supporting deployment across mixed-vendor and brownfield production environments.

The app has also been designed to support gradual adoption. Instead of requiring factory-wide deployment from the outset, manufacturers can begin by monitoring a single machine or production line before scaling the same approach across wider operations.

Daniel Sperlich, Strategic Product Manager Controllers EMEA at Mitsubishi Electric, said: "Many manufacturers already have access to the data they need, but turning that data into something practical and actionable on the shopfloor remains a challenge.

"DataNavigateApp can help lower the barrier to production analytics. It gives manufacturers a practical way to improve visibility of machine performance, helping teams identify opportunities to improve output stability, reduce downtime, better understand energy behaviour and reduce operating costs, without needing large-scale software projects or specialist programming expertise. Just as importantly, manufacturers can start small, prove value quickly and then scale at their own pace."

The platform helps manufacturers address a range of common production challenges, including output instability, unplanned downtime, rising energy consumption and performance degradation. By visualising equipment operating status and operational trends, identifying factors affecting operating time, highlighting wasted power consumption and supporting predictive maintenance, the solution enables teams to prioritise improvements more

effectively and respond more quickly to emerging issues.

It is designed to operate alongside existing equipment via standard PLC communication functions, allowing manufacturers to introduce production monitoring across mixed-vendor or brownfield environments without significant disruption to running operations.

Information is visualised through intuitive graphical dashboards, allowing users to compare operational data side-by-side across different time periods, machines, or production conditions. This helps teams identify trends, prioritise improvement opportunities, and respond more quickly to operational issues. The result is a simple but powerful shift: faster decisions, clearer priorities, and measurable improvements in machine performance.

For more information, please visit: <https://gb-fa.mitsubishielectric.com/fa/products/datanavigateapp>.

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Originally (initially) released in English

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Images:



Image 01: Daniel Sperlich, Strategic Product Manager Controllers EMEA at Mitsubishi Electric



DataNavigateApp

Image 02: DataNavigateApp is designed to help manufacturers better understand machine performance, downtime, and energy performance.

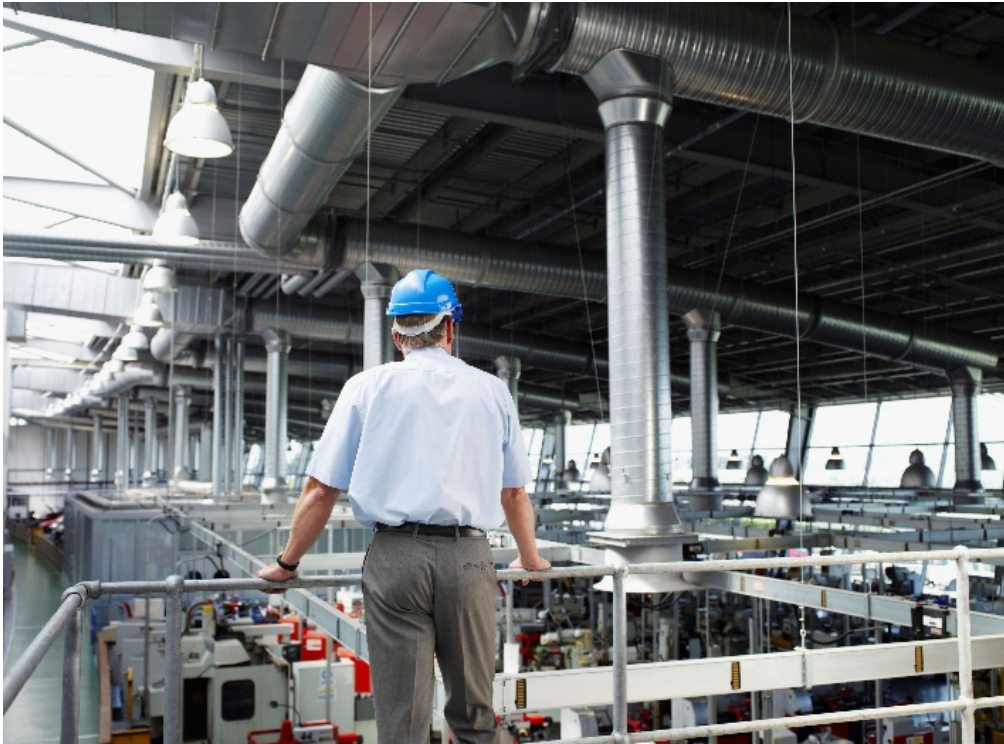


Image 03: The launch of DataNavigateApp comes at a time manufactures face growing pressure to improve productivity and reduce energy consumption amid rising operating costs.

About Mitsubishi Electric Corporation

With more than 100 years of experience in providing reliable, high-quality products, Mitsubishi Electric Corporation (TOKYO: 6503) is a recognised world leader in the manufacture, marketing and sales of electrical and electronic equipment used in information processing and communications, space development and satellite communications, consumer electronics, industrial technology, energy, transportation and building equipment. Mitsubishi Electric enriches society with technology in the spirit of its “Changes for the Better.” The company recorded a revenue of 5,521.7 billion yen (U.S.\$ 36.8 billion*) in the fiscal year ended March 31, 2025. For more information, please visit www.MitsubishiElectric.com

**U.S. dollar amounts are translated from yen at the rate of ¥150=U.S.\$1, the approximate rate on the Tokyo Foreign Exchange Market on March 31, 2025.*

About Mitsubishi Electric Factory Automation Business Group

Offering a vast range of automation and processing technologies, including controllers, drive products, power distribution and control products, electrical discharge machines, electron beam machines, laser processing machines, computerised numerical controllers, and industrial robots, Mitsubishi Electric helps bring higher productivity – and quality – to the factory floor. In addition, its extensive service networks around the globe provide direct communication and comprehensive support to customers. The global slogan “Automating the World” shows the company’s approach to leverage automation for the betterment of society, through the application of advanced technology, sharing know how and supporting customers as a trusted partner.

For more about the story behind “Automating the World” please visit:

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

Factory Automation EMEA

Mitsubishi Electric Europe B.V., Factory Automation EMEA has its European headquarters in Ratingen near Dusseldorf, Germany. It is a part of Mitsubishi Electric Europe B.V. that has been represented in Germany since 1978, a wholly owned subsidiary of Mitsubishi Electric Corporation, Japan. The role of Factory Automation EMEA is to manage sales, service and support across its network of local branches and distributors throughout the EMEA region.

For more information, please visit emea.mitsubishielectric.com/fa

About e-F@ctory

e-F@ctory is Mitsubishi Electric’s integrated concept to build reliable and flexible manufacturing systems that enable users to achieve many of their high speed, information driven manufacturing aspirations. Through its partner solution activity, the e-F@ctory Alliance, and its work with open network associations such as the CC-Link Partners Association (CLPA), users can build comprehensive solutions based on a wide ranging “best in class” principle. In summary, e-F@ctory and the e-F@ctory Alliance enable customers to achieve integrated manufacturing but still retain the



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<https://www.linkedin.com/showcase/mitsubishi-electric-europe-factory-automation-emea/>



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ability to choose the most optimal suppliers and solutions.

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