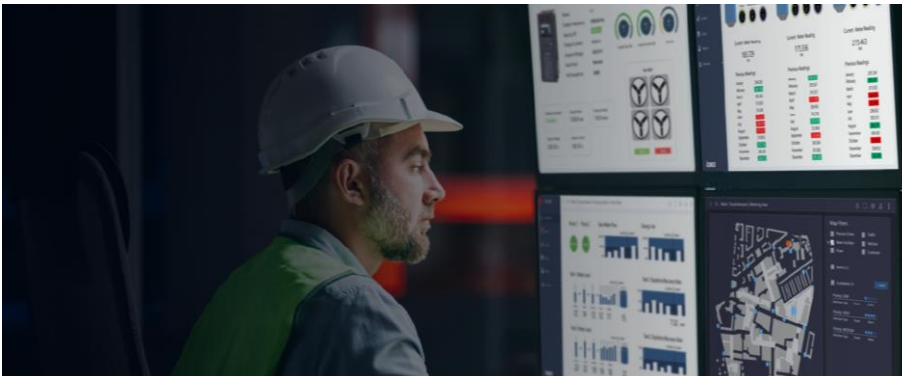# Mitsubishi Electric launches GENESIS Version 11: Industrial data visualisation and secure analysis platform with unlimited licensing

Ratingen, Germany - 7th of May 2025

GENESIS version 11 has arrived. This major upgrade to the company's flagship industrial data visualization and process control software eliminates tag count limitations and introduces a built-in industrial historian, transforming how manufacturers capture and analyse operational data. Designed for comprehensive industrial automation, monitoring and secure data management, GENESIS 11 allows companies to scale from small applications to enterprise-wide deployments without additional costs, while the embedded historian eliminates the need for separate data logging systems.

Image Caption: GENESIS version 11 - Industrial data visualization and analysis platform with unlimited licensing and enhanced data protection [Source: Mitsubishi Electric Europe]

For nearly four decades, GENESIS has continuously evolved to meet changing industrial and regulatory demands, such as cybersecurity

compliance through encrypted communications and integration with Microsoft active directories. From its early versions running on DOS and Windows, through 16-bit to 64-bit computing, GENESIS has been developed to keep pace with modern automation needs including real-time 3D visualisation and remote web-based monitoring. With its latest enhancements, GENESIS version 11 supports collecting, analysing and visualising data for a wide range of industries, including automotive, life sciences, smart buildings, and data centres.

Unrestricted Licensing – A New Standard in Flexibility

GENESIS version 11 introduces unlimited licensing, removing restrictions on tags and client connections. This fundamental shift eliminates traditional Digital Solutions platform pricing constraints, allowing manufacturers to expand their automation systems without additional licensing fees.

"This change redefines how automation projects are structured," says Christian Nomine, Strategic Product Manager Visualization & Analytics at Mitsubishi Electric Europe B.V. "By removing software limitations, customers can focus on innovation and scaling their operations freely" adds Christian Nomine.

With lower upfront costs, Digital Solutions platforms become more accessible and budget-friendly, enabling cost-effective implementation.

Built-In Industrial-Strength Historian for Smarter Decision-Making

GENESIS version 11 introduces an integrated industrial historian, eliminating the need for third-party loggers and complex scripting. This built-in functionality collects, analyses, and visualises in real-time and historical data, allowing manufacturers to optimise performance, implement predictive maintenance, and make data-driven decisions with greater confidence.

"Having all critical data in a single solution, combined with advanced analysis tools, streamlines operations and enhances reliability," explains Nomine.

Image Caption: GENESIS version 11 dashboards [Source: Mitsubishi Electric Europe]

Enhanced Real-Time Visualisation and Control

The GraphWorX visualisation suite in GENESIS version 11 enhances real-time monitoring and control with 3D system monitoring, providing greater situational awareness and enabling engineers to identify and resolve performance issues more efficiently. The treemap control simplifies the detection of system anomalies, allowing for faster troubleshooting.

First released in English: _____

Additionally, web-based access ensures secure remote monitoring, giving teams greater flexibility in managing operations. These improvements collectively enhance operational visibility and efficiency, helping manufacturers shift from reactive responses to proactive decision-making.

Seamless Connectivity and Cybersecurity

Built on .NET 8 architecture, GENESIS version 11 offers broad connectivity across industrial automation environments. It integrates natively with Mitsubishi Electric automation products, including PLCs, HMIs, robots, and frequency inverters, while supporting third-party systems via OPC UA, BACnet/SC, Modbus, MQTT, and expanded API capabilities.

"With enhanced connectivity, integrating automation components has never been simpler," says Nomine. "GENESIS version 11 significantly reduces complexity, saving time and improving system efficiency."

For mission-critical applications, GENESIS version 11 introduces a streamlined redundancy model, ensuring continuous operations and faster system recovery. Advanced cybersecurity features—including encrypted communication and role-based access control through full integration with Microsoft active directories on premise and in Azure cloud environments —further enhance data protection and compliance with evolving security standards.

Faster Deployment and Long-Term Scalability

GENESIS version 11 is engineered for rapid deployment, featuring automated configuration tools, pre-built templates, and no-code engineering environments. These improvements reduce implementation time from weeks to days, helping manufacturers realise a faster return on investment (ROI).

"This release is a milestone in Digital Solutions platform development," concludes Nomine. "Mitsubishi Electric has delivered a solution that is more powerful, adaptable, and future-ready, providing manufacturers with the tools they need to succeed in an increasingly digital world."

GENESIS version 11 is available now through Mitsubishi Electric European offices and official partners. For more details on features, pricing, and support, visit: [GENESIS Version 11 - Mitsubishi Electric Factory Automation - EMEA](#)

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 5,257.9 billion yen (U.S.$ 34.8 billion*) in the fiscal year ended March 31, 2024.

For more information, please visit www.MitsubishiElectric.com.

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 leveraging 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. which 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 ability to choose the most optimal suppliers and solutions.

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