

## Embrace the future: Advance your digital transformation

Ratingen, Germany 09 April 2024

Data analysis and management are vital for the entire manufacturing sector, doing more than just optimising production processes and identifying the root causes of quality issues. For instance, another example is the significant role they play in reducing energy costs, allowing for more efficient and sustainable operations. Looking beyond individual assets, data sharing between information technology (IT) and operation technology (OT), enable the creation of interconnected facilities that enhance productivity even more.



[Source: Mitsubishi Electric Europe, Germany]

***In the videocast episode “Digital Journey - with a map”, Hartmut Pütz, President of Factory Automation EMEA at Mitsubishi Electric Europe B.V., explores the changing landscape of digitalisation and its opportunities for manufacturing.***

Artificial intelligence (AI) is reshaping the manufacturing industry. With the rise in data, AI-driven tools are becoming necessary. They have the power

to decode complex situations, to facilitate decision-making processes and offer a complete overview of production processes.

Additionally, data-driven technologies can help manufacturers to optimise customised production. In particular, they can support companies handle rapid shifts in demand by making forecasting methods more reliable.

AI and 'smarter' operations allow a more efficient and cost-effective factory operations. Making elements within a factory 'intelligent' and focusing on bottleneck applications can greatly enhance productivity and efficiency. Furthermore, AI's role in predictive maintenance is extremely valuable for operational cost savings. For example, it can help avoid costly unexpected equipment failure and emergency shutdowns.

While data-driven operations represent the future of the manufacturing industry, most data still isn't used effectively enough. To address this, Hartmut Pütz suggests the Smart Manufacturing at Kaizen Level (SMKL) model. This uses small steps, like the Kaizen method, for manufacturing improvement and builds on the need for better data utilisation.

The future of factory automation lies in leveraging the power of data. By optimising data use and its management, by embracing AI, manufacturing organisations can benefit from the opportunities to stay ahead in a digitally evolving industrial landscape and quickly adapt to the ever-changing needs of the market.

You can learn more about these topics by watching Hartmut Pütz's discussion on Mitsubishi Electric's videocast episode, "Digital Journey - with a map": <https://www.youtube.com/watch?v=UcGwFmAPJrY>.



*[Source: Mitsubishi Electric Europe, Germany]*

*Image Caption: Hartmut Pütz, President of Factory Automation EMEA at Mitsubishi Electric Europe B.V*

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With more than 100 years of experience in providing reliable, high-quality products, Mitsubishi Electric Corporation (TOKYO: 6503) is a recognized 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 5,003.6 billion yen (U.S.\$ 37.3 billion\*) in the fiscal year ended March 31, 2023.

For more information, please visit [www.MitsubishiElectric.com](http://www.MitsubishiElectric.com)

*\*U.S. dollar amounts are translated from yen at the rate of ¥134=U.S.\$1, the approximate rate on the Tokyo Foreign Exchange Market on March 31, 2023.*

### **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, computerized 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:

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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](https://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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