

Be smart with digital transformation!

At this year's event, Mitsubishi Electric is going to show visitors to the SPS IPC Drives show in Nuremberg how digitalisation can increase their production flexibility. In making use of integrated automation platforms new opportunities can be found for shop floor optimisation.

Mitsubishi Electric's e-F@ctory concept is providing a practical structure for enabling the process of digital transformation to happen at a manufacturing level. Machine and plant builders visiting the booth can experience this approach by exploring a live demonstration which presents how data can be collected from shop floor devices and transferred to a higher level SCADA-System for visualisation, monitoring and interpretation of the production process.

"This presentation contains three connected applications that demonstrate production processes in real-time," explains Klaus Petersen, Marketing Director of Mitsubishi Electric's Factory Automation – European Business Group. "Apart from the operating status and performance information, users can also receive additional information as guidance - such as reasons for, and the steps to take on predictive maintenance."

The three applications are connected to each other using a [MAPS SCADA](#)-System that employs production visualisation to display data and monitoring information on a Mitsubishi Electric display wall cube. This networked system includes an automated product recognition system and a part-automated zero-defect [Guided Operator Solution](#), in combination with a cooperative "Safe Skin" robot. Furthermore, there will be a [Linear Transfer System](#) with Smart Carriages for intelligent control of product movement, processing and conveying. There will also be a Total Factory Automation Solution, which shows the entire product portfolio connected together, including third-party motors. Application data from the robot, drive and control systems are transmitted to MAPS live.

By making use of [Edge Computing](#) technologies, processed data can then be handed over via the Cloud for deeper analysis of production data and to integrate with higher-level business systems or even Smart Device applications. The results support new methods for production management and enable increased transparency for enterprise resource planning (ERP).

Mitsubishi Electric is underlining its capacity to offer a broad range of technologies, from control and drive automation to edge computing solutions and cloud connectivity, on this year's booth with its theme of "[e-F@ctory](#) – pushing business further".

Note:

Learn more about Mitsubishi Electric's presence at SPS IPC Drives
eu3a.mitsubishielectric.com/SPS

See how Mitsubishi Electric is able to respond to today's automation demands:
eu3a.mitsubishielectric.com/fa/en/solutions

Photo Caption: Mitsubishi Electric's e-F@ctory concept provides a practical structure for enabling the process of digital transformation to happen at a manufacturing level, in order to increase production flexibility.

[Source: Mitsubishi Electric Europe B.V., Getty Images]

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Note to Editor: if you would like the text in another language please contact Philip Howe at DMA Europa – philip@dmaeuropa.com.

About Mitsubishi Electric

With over 95 years of experience in providing reliable, high-quality products, Mitsubishi Electric Corporation 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, as well as in products for the energy sector, transportation and building equipment.

Mitsubishi Electric aims to be a global and leading environmentally friendly company in the direction of its corporate principle "Changes for the Better" and the environmental policy "Eco Changes" and to enrich the society with its technologies.

The Company has achieved group sales of Yen 4,238.6 billion (\$ 37.8 billion*) in the fiscal year end on March 31, 2017. For more information; www.MitsubishiElectric.com

Our sales offices, research & development centres and manufacturing plants are located in over 30 countries.

*Exchange rate 112 Yen = 1 US Dollars, last updated 31.03.2017 (Source: Tokyo Foreign Exchange Market)

Factory Automation – European Business Group

Mitsubishi Electric Europe B.V., Factory Automation European Business Group (FA-EBG) has its European headquarters in Ratingen near Dusseldorf, Germany. It is a part of Mitsubishi Electric Europe B.V., a wholly owned subsidiary of Mitsubishi Electric Corporation, Japan.

The role of FA-EBG is to manage sales, service and support across its network of local branches and distributors throughout the EMEA region.

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