

Mitsubishi Electric highlights how digital transformation boosts productivity and improves OEE

Hannover Messe, Hannover, 24th-28th April 2017, Hall 17, Booth D40

On Booth D40 in Hall 17 at the Hannover Messe 2017, Mitsubishi Electric is showing automation solutions that address manufacturer requirements to boost productivity, increase flexibility and improve OEE. Demonstrations highlight how users can achieve this through plant-wide integration and transfer of data to the Cloud, with the importance of data defining the digital transformation of businesses. On many application demos, Mitsubishi Electric technologies are combined with those of e-F@ctory Alliance Partners to form advanced, integrated solutions.

Opportunities for predictive maintenance are evidenced by the Mitsubishi Electric [Smart Condition Monitoring](#) (SCM) system, developed with [e-F@ctory Alliance](#) partner Schaeffler. The SCM kit provides an integrated approach to monitoring the condition of individual assets. It allows a holistic approach to be taken to monitoring the asset health of the whole plant. Information from multiple assets can be processed within a Mitsubishi Electric PLC to provide detailed diagnostics and analysis, and can be sent to higher-level systems for ongoing trend analysis.

Even manual assembly operations can provide valuable information to the higher-level enterprise. On its booth Mitsubishi Electric is showing a 'pick-to-light' [Guided Operation Solution](#) that highlights how picking

errors can be eliminated. Further, close integration with the control system means that additional information can be provided to operators to reduce assembly errors, so boosting both quality and productivity. In addition, Mitsubishi Electric experts can discuss how the Guided Operator Solution can be easily integrated with IT systems, for example for the collection of inventory data and monitoring of statistical production information.

The Mitsubishi Electric booth also includes a working synchronous multi-axis motion system, built around an [iQ-F PLC](#) with Simple Motion module. The easiest way to add motion control to a PLC-based automation platform, the Simple Motion module provides an intuitive interface for positioning, interpolated moves and synchronous control. Typical applications include packaging and metalworking machines.

Visitors to Booth D40 in Hall 17 at the Hannover Messe can see Mitsubishi Electric's [e-F@ctory concept](#) for delivering Industry 4.0 compatible solutions. Importantly, these solutions are scalable from sensor/actuator level right up to full IT integration and beyond to the Cloud. Visitors can also talk to experts from the Mitsubishi Electric team about how these innovative automation solutions address today's industry issues and deliver real return on investment.

Note:

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

Image captions:



Picture 1: At the Hannover Messe 2017, Mitsubishi Electric will demonstrate a host of innovative automation solutions that show how digital transformation boost productivity and improve OEE.

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

About Mitsubishi Electric

With over 90 years of experience in providing reliable, high-quality products to both corporate clients and general consumers all over the world, 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, water and waste water, transportation and building equipment.

With around 135,000 employees the company recorded consolidated group sales of 38.8 billion US Dollars* in the fiscal year ended March 31, 2016.

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

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.

**Exchange rate 113 Yen = 1 US Dollars, last updated 31.3.2016 (Source: Tokyo Foreign Exchange Market)*

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