

SPS IPC Drives 2015 (Hall 7, Stand 391)

Preview

## **The world of automation at SPS IPC Drives**

Ratingen, Germany 10<sup>th</sup> November 2015

**Integrated solutions for manufacturing and production industries are increasingly becoming state-of-the-art. The demand for better quality products, almost immediate availability and more product variants is constantly growing: Traceability, OEE (Overall Equipment Effectiveness), and resource management for example are becoming increasingly important for innovative companies. Mitsubishi Electric's live Applications at the show will present visionary solutions addressing the ambitious needs of the automation, power and process sectors.**

As one of the world's largest and most experienced automation companies, Mitsubishi Electric is able to respond to today's automation demands with many proven in-house technologies and solutions<sup>1</sup>. These include PLCs, Computerized Numerical Controls (CNC), servo motion, robotics, inverters, human machine interfaces (HMI) and related energy saving technologies and its e-F@ctory concept.

Mitsubishi Electric is constantly developing its technologies so that they are always state-of-the-art. Mitsubishi Electric's current iQ series of PLCs combine all the key automation functions on one controller and are part of the iQ Platform of enabling solutions for factory automation systems. The iQ Platform facilitates easy systems integration by offering an extensive array of field devices and controller types, such as integration of CNCs

that seamlessly operate together on the same backplane. This delivers the benefits of reduced total cost of ownership, seamless integration, transparent communications and maximised productivity.

Integrated shop floor automation can also be connected to higher level control systems such as SCADA (supervisory control and data acquisition), ERP (enterprise resource planning) and MES (manufacturing execution systems). Integration can go even further, with connections to suppliers, distributors, customers and end users so that the entire manufacturing value chain is interconnected and managed as a whole. This is increasingly close to the vision of Industry 4.0; an integration of both physical and cyber-based systems across multiple sites and organisations so that performance is optimised at every stage of the value chain.

These different levels of market demands are addressed by e-F@ctory. It is Mitsubishi Electric's integrated concept to build reliable and flexible solutions 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 Partner Association (CLPA), users can build comprehensive solutions based on a wide ranging "best in class" principle.

Mitsubishi Electric's e-F@ctory Alliance is a partnership of specialized automation companies, whose expertise can be called upon whenever it is required. Each partner is an expert in a particular field and any number of them can be brought together for a given project, thus delivering the best possible skill set. The partners are able to act in perfect harmony to produce the optimum solution in the minimum time to reduce total cost of ownership and provide truly seamless integration of multiple systems and subsystems.

In summary, Mitsubishi Electric and its e-F@ctory concept enable customers to achieve integrated manufacturing but still retain the ability to choose the optimal suppliers and solutions.

*You can see examples of these solutions and talk to experts of Mitsubishi Electric at the SPS IPC DRIVES, (Nuremburg, Germany 24.-26.11.2015, Hall 7 – Stand 391).*

*Plus you can see Mitsubishi Electric, on the Eplan stand, a partner of the e-F@ctory Alliance, Hall 6 - Stand 210.*

Note:

<sup>1</sup> See how Mitsubishi Electric is able to respond to today's automation demands:

<https://eu3a.mitsubishielectric.com/fa/en/solutions>

**Picture caption:**



**Picture 1** Mitsubishi Electric and its e-F@ctory concept enable customers to achieve integrated manufacturing but still retain the ability to choose the optimal suppliers and solutions.

[Source: Mitsubishi Electric Europe B.V.]

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## **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.

<https://eu3a.mitsubishielectric.com/fa/en/solutions/efactory>

<http://www.e-factory-alliance.com/>

## **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 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, as well as in products for the energy sector, water and waste water, transportation and building equipment.

With around 129.000 employees the company recorded consolidated group sales of 36,0 billion US Dollar\* in the fiscal year ended March 31, 2015.

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 120 Yen = 1 US Dollar, Stand 31.3.2015 (Source: Tokyo Foreign Exchange Market)*

#### **Further Information:**

[eu3a.mitsubishielectric.com/fa](http://eu3a.mitsubishielectric.com/fa)

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