

History and the future both influence the latest automated production innovations of today

EMO Exhibition, Milan, Italy 5-10.10.2015

Mitsubishi Electric will have many of its key technologies on show at the EMO Exhibition (Milan, Italy, 5-10 October 2015, Hall 3, Stand H18/L17), where experts will also be on hand for discussions and demonstrations. The innovative solutions demonstrate proven and tested technology and are designed to drive forward productivity and performance; they are also part of a rich heritage of developing the latest in connectivity for automation technology.

Mitsubishi Electric offers a wide range of services and solutions that help to address important issues such as increased productivity, operational efficiency, energy management, life cycle engineering, security, service and training.

Also on show from the wider company product portfolio are programmable logic controllers (PLCs), human machine interfaces (HMIs), inverter, servo/motion controller, servo motors, industrial robots, switchgear, and automation project development, building and commissioning software.

As many of the show's visitors already know, Mitsubishi Electric's reputation is as a supplier of outstandingly reliable automation products and solutions. As well as machine builders, it supports industries such as water, food and beverage, process, CPG (Consumer Packaged Goods) packaging, automotive and pharmaceutical. The company's pedigree goes back many decades, and includes a constant focus on innovation and the steady advance of technology.

For instance, Mitsubishi Electric has always been a leader in connectivity technologies and as far back as the turn of the century was looking at the potential of what became known as 'the Internet of Things'. This refers to the Internet-like connection of autonomous machines and systems and is now evolving into the vision of Industry 4.0 – the use of cyber-physical systems to interconnect production machinery and business / management systems across many sites so that the efficiency of the whole value chain can be fully optimised.

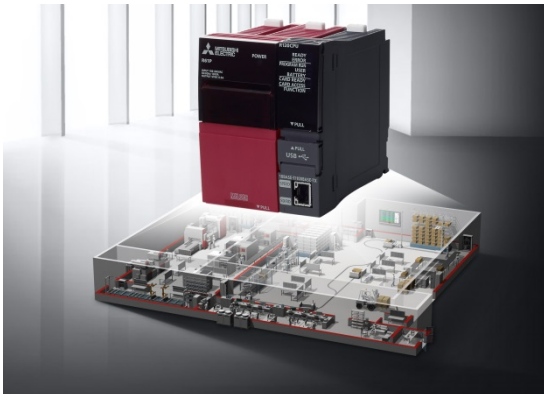
A related development was seen in the rise of 'open' communications, which allow equipment from various manufacturers to be easily connected together into automation systems. This removes the restriction of having to choose equipment from only one or two mutually compatible manufacturers. Once again Mitsubishi Electric was at the forefront of this trend with its development of an open communications solution called CC-Link (and its Industrial Ethernet variant CC-Link IE). Naturally, to be 'open' Mitsubishi Electric has put the design specification of CC-Link into the public domain so that any device maker could adopt it.

Still with communications and connectivity, over many years Mitsubishi Electric has advanced programmable logic controllers (PLCs) from virtually standalone units into a technology that allows many automation disciplines over a common backplane. This technology is known today as the iQ Platform.

However Mitsubishi Electric has also recognized that no single company can address all the automation needs of every industry. As a result it has built the e-F@ctory concept, a part of it is the partnership of specialist automation companies that can work together to develop the best-in-class- solution for a wide range of applications. The partnership is well known as e-F@ctory Alliance.

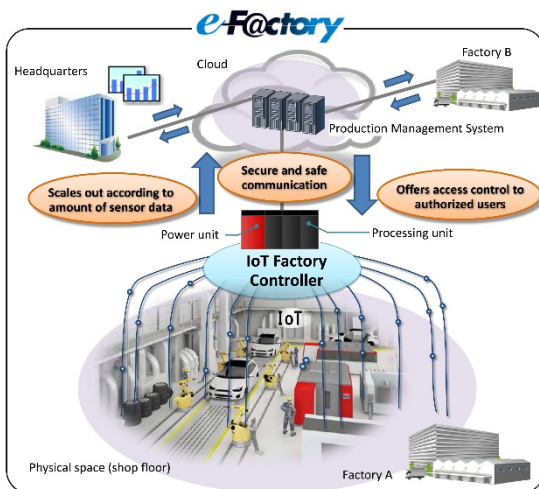
Looked at as a whole, these initiatives and innovations show a clear trend towards increased connectivity and the ideals of Industry 4.0, with Mitsubishi Electric, as always, helping lead the way.

Image captions:



Picture 1: Mitsubishi Electric offers a wide range of services and solutions that help to address important issues such as increased productivity, operational efficiency, energy management, life cycle engineering, security, service and training.

[Source: Mitsubishi Electric Europe B.V.]



Picture 2: Mitsubishi Electric has built the e-F@ctory concept, a part of it is the partnership of specialist automation companies that can work together to develop the best-in-class- solution for a wide range of applications.

[Source: Mitsubishi Electric Europe B.V.]

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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 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)*

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.

Further Information:

Website: eu3a.mitsubishielectric.com/fa

YouTube: <http://www.youtube.com/user/MitsubishiFAEU>

Twitter: <https://twitter.com/MitsubishiFAEU>

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