

## PRESS RELEASE

### **Mitsubishi Electric Italian Branch at SPS IPC DRIVES Exhibition May 23rd - 25th, 2017 – Parma - Italy**

**Agrate Brianza, May 23rd, 2017** – Mitsubishi Electric has been working on Industry 4.0 for over 10 years thanks to the e-F@ctory concept. The reason is simple: all Mitsubishi Electric manufacturing plants in Japan are an example of the excellence of Smart Factory. With the aim of improving more and more its productivity, our company first introduced its integrated automation solutions in its factories and then offered them to all clients to provide the highest level of quality and reliability with increasingly IoT - oriented features.

The new budget law introduces important measures aimed at fostering the digitalization processes of Italian industries according to "Industry 4.0" model. It's in particular a matter of "super ammortization" for material assets and therefore of the possibility to increase the purchase price of machinery and industrial plants in the calculation of ammortization to 250%.

To be in line with the various regulatory requirements, Mitsubishi Electric offers interconnect solutions to IT factory systems with remote management, simple and intuitive human-machine interfaces, CNC and/or PLC control. Moreover, thanks to technology of partner companies belonging to e-F@ctory Alliance, Mitsubishi Electric is always able to offer the most advanced and complete solutions for industrial and process automation.

Among the control solutions is available the new iQ-F Compact Platform with built-in Ethernet port and Simple Motion Module for 4 or 8-axis synchronized control and the new iQ-R scalable automation platform which can handle up to 4 CPUs at the same time such as CPU PLC/ Safety, Motion Control, Robot and CNC. IQ-R is also the ideal platform for process control thanks to the "redundant function" module which allows high availability on multiple levels by improving system reliability. The integration and communication, either talking about Big Data, or talking about devices on the market such as I/O remote, Servo, Inverter, Power meters, HMI, Robot is ensured by the support in iQ-F and iQ-R by Ethernet industrial network CC-Link IE with 1Gbps speed. High bandwidth availability allows maximum synchronization and reliability for both data management, Motion Control high performances CPU controlling the powerful servos MR-J4-GF with built-in CC-link IE Field interface. These last products, available from 50W up to 22kW sizes with 200/400 V power supply, thanks to the band width up to 2,5 kHz and to the absolute encoders with 22 bit resolution (more than 4 million pulses per round), ensure the highest precision of motion and synchronization of the axes.

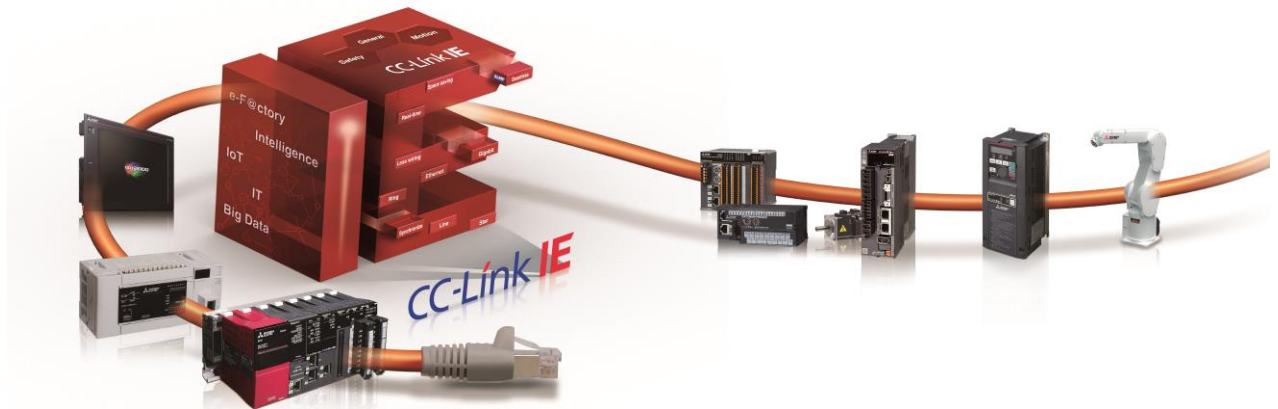
From the world of Human-Machine Interface, the GOT2000 family extends itself with new 7 and 10-inch widescreen models. With the second ethernet channel, the Wi Fi interface, the integrated Web Server for system remoting, GOT2000 are becoming more and more an Industry 4.0-oriented tool. For example, GOT MOBILE solution allows GOT2000 to be connected simultaneously to remote devices such as PCs, tablets and smartphones. Each client connected to the HMI can work independently and view/operate different pages.

In line with "Industry 4.0" paradigm, Mitsubishi Electric introduces the new SCARA robot family RH-CH, featuring an extremely compact design, ideal for pick & place applications, labeling, conveyor tracking and bin picking, where high performances in terms of productivity and small spaces are needed. New robots RH-CH expand the already extensive range of Mitsubishi Electric robots, with three new models for small payloads and fast cycle times, also available a version dedicated to food industry.

Along with the automation solutions, new inverters FR-F800-E and FR-A800-E will be displayed, equipped with an integrated web server and connectivity to CC-LINK IE Field and Ethernet TCP/IP Standard. Remote monitoring and parameter tracking activities, as well as network integration, are thus facilitated. In particular, the FR-A800-E model is the ideal solution for sophisticated end applications, thanks to its high performance, reliability, efficiency and intelligent control functions. The FR-F800-E inverter is optimized to control induction motors or PM motors in water treatment and HVAC systems applications, estimating the load curve of the fan or pump connected with a dedicated autotuning function.

Regarding the energy management , our company has a wide range of electromechanical components such as modular, MCCB breaker or air breakers and the networked ME96 power meters series which allow energy monitoring for better management of the system especially in terms of energy savings.

Not only solutions for automation applications but also for Process applications . In the field of SCADA software, MAPS solution introduces with the new version 4.0 the benefits of client "Performance Anywhere", based on HTML 5.0 technology for the visualization of alarms, production dash-boards and process variables on mobile devices through Web or internal WiFi nets. In addition, Mitsubishi Electric offers the architecture of the DCS "hybrid" PMSX pro, with many references in energy and water treatment plants, which, combined with the DLP CUBES VIDEO WALL or Seamless Monitor technology installed in control rooms, allows a constant monitoring of manufacturing processes, together with optimizing human resources in plant management.



### **Mitsubishi Electric**

Mitsubishi Electric, with its over 90-year experience in production, sales and marketing of electrical and electronic devices, is widely recognized as a leading company at international level. Mitsubishi Electric products and components are utilized in many fields: information technology and telecommunications, space research and satellite communication, consumer electronics, technologies for industrial application, energy, transport and building. In line with the spirit of its corporate statement "Changes for the Better" and its environmental motto "Eco Changes", Mitsubishi Electric aims at becoming a leading green company worldwide, contributing to wellness of community thanks to its technology. The company is present in 43 Countries of the world with over 135,000 employees and in the past fiscal year ended on March 31st 2017 it reached a total turnover of 4.238,6 billions of Yen (37,8 billions of USD\*). In Europe it is present since 1969 with branches in 15 Countries: Belgium, Czech Republic, France, Germany, The Netherlands, Italy, Ireland, Poland, Portugal, Russia, Spain, Sweden, United Kingdom, Turkey and Hungary. **The Italian branch**, established in 1985, operates through five commercial divisions : **Air-Conditioning** – air-conditioning for residential, commercial and industrial real estate, heating, de-humidification and air treatment; **Industrial Automation and Mechatronics** – systems and appliances for industrial automation; **Semiconductors** – electronic components; **Automotive** – systems and components for control of car and motor vehicle devices; **Transportation** – products and systems for railway transport.

For additional information please visit website : <http://it.mitsubishielectric.com/it/>

(\*rate of Exchange : 112 Yen - 1 USD. Source Tokyo Exchange Market on 31.03.2017)

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