

## **Turkey Gets Ready For New Automation Revolution With Global Giant Mitsubishi Electric**

3/25/2015

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### **Mitsubishi Electric Turkey Factory Automation Systems offered digital factory experience in WIN Automation 2015 by displaying New Generation Factory Automation and CNC Products**

As a global giant with over 90 years of experience in providing reliable and high-quality products, Mitsubishi Electric is acknowledged for its contribution to Marmaray project and Turksat 4A-4B satellite technology. **Mitsubishi Electric Turkey Factory Automation Systems** demonstrated that it is well-prepared for new automation revolution in Turkey by displaying New Generation Factory Automation Systems and CNC products in **WIN EURASIA Automation 2015**. Visitors had the opportunity to experience e-F@ctory, digital factory technology of the future, at Mitsubishi Electric booth.

#### **The beginning of a new era in automation business**

Automation business is nowadays on the verge of transition to a new phase. Hence, cyber science becomes part of the automation processes which shall change our lives in the future. Following groundbreaking alterations beginning with the industrial revolution and continued with mechanization, electrification and information technology, now comes the development of cyber physics systems. This historic moment shall bring about quite interesting and exciting innovations and developments. This new phase known as Industry 4.0 in Turkey is defined with e-F@ctory concept by Mitsubishi Electric Factory Automation business with a view to demonstrating the integrated structure of digital factory process in terms of automation business.

#### **Future digital factory technology at Mitsubishi Electric booth**

During Win Automation 2015, visitors had the opportunity to experience the factory and automation systems of the future by testing **digital factory automation simulation** under **e-F@ctory Allianz** organization at Mitsubishi Electric booth.

#### **Groundbreaking factory automation products from Mitsubishi Electric**

Known for combining science and technology to meet the requirements of industries and to increase the comfort of employees by determining operational efficiency of factories, Mitsubishi Electric presents digital factory products used for production phase of several industries including automotive, packaging, food and pharmaceuticals as well as mechanical, electronic and software services together through the perspective of mechatronics. It is extremely important for new generation products since development of products have a direct impact on the advantage to be acquired. Mitsubishi Electric Turkey Factory Automation Systems introduced groundbreaking new generation GOT2000, iQ-F, iQ-R, MR-J4, MR-JE and FR-A800 products to professionals of the industry at WIN Automation 2015.

**\*iQ-F Generation Compact PLC:** Being the newest generation of the best selling compact PLC in the world, iQ-F offers 150 times faster BUS communication in comparison with the previous model. Also known for internal 4 axis positioning capability, compact PLC is worthy of use even in more sophisticated applications thanks to its motion capacity, easy set-up capability and new engineering software. Analogue Inlets/Outlets, Ethernet and Fast inlets available in the standard hardware enable you to complete various tasks while occupying little space at the panel.

**\*MR-J4 New Generation High Performance Servo:** Industry leading Servo performance. 2.5 kHz frequency rate response makes it possible to realize more sensitive mechanical applications.

Patented vibration damping functions allow for a more rigid mechanical optimization. User friendly thanks to Auto-Tuning easy commissioning quality with a single touch. Optic communication structure offers a high-speed and low noise communication.

**\*MR-JE New Generation Compact Servo:** New generation compact servo driver. It is not interrupted by line noise thanks to its optic communication speed and enables Auto-Tuning easy commissioning with a single touch. New generation Servo MR-JE is a compact, reliable and economical product that might be driven with pulse or optic BUS line.

**\*GOT2000 New Generation Operator Panels:** New generation operator panels are the winner of Good Design 2014 award. It meets all your visualization needs with its gesture functions enabling it to be used as a tablet, ease of use, multimedia support, standard ethernet, serial, USB and SD communication ports and improved processor speed making it possible to perform recording, prescribing, script and various other operations simultaneously.

**\*FR-A800 New Generation Integrated PLC High Level Frequency Inverter:** It offers much more than a conventional frequency inverter with its integrated PLC functions. It can drive PM IPM Engine. The capability to get back-up and trend from USB facilitates maintenance operations. It can be operated with different encoder protocols such as TTL and SynCos. Besides, it has IP55 supported models. The real time clock which is used in PLC software is also available in this high level frequency inverter.

### **Performing business tasks are easier than ever thanks to Industrial Robots by Mitsubishi Electric**

Industrial robots designed for creating high-quality working environments are able to perform mechanical production activities including selecting, ordering, and placing components, directing them to workbench, assembly of components, binding, dismantling and replacing sets and parts and placing hot components requiring thermal processing on workbench as well as loading, transfer and packaging tasks as part of activities.

For example, Mitsubishi Electric's RV-F series extremely dynamic 6-axis robot is worthy of being used in high-speed systems thanks to its capability to imitate the movements of human arm and its cycle time of 0.32 second and it increases efficiency. Its dynamic structure enables it to perform flexible dance figures easily.

6-axis industrial robot by Mitsubishi Electric not only provides added value for freedom of movement but also offers more resoluteness and versatility thanks to its double-arm structure. Mitsubishi Electric robots have a carrying capacity varying from 2 kg to 20 kg at the range of 504 - 1503 millimetres based on the model. Working at extremely narrow locations creates no problem for RV-F series which has a number of advantages including being mounted on wall or ceiling. All systems are equipped with the same compact CR750 robot controller. Mitsubishi Electric improves its technology every other day to direct the production of new generation robots in the future.