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30 December 2020

***Mitsubishi Electric shared the technological developments in Smart Factories focusing on Advanced Robot Technologies, MAPS-SCADA and Energy Monitoring, AI Applications, IoT and Digital Transformation of Factories in the webinar organized in cooperation with TMMOB Chamber of Electrical Engineers***

## **Transformation of Digital Factories Equipped with Mitsubishi Electric Artificial Intelligence Technology “MAISART”**

***Mitsubishi Electric continued the webinars with Izmir Branch of EMO organized in cooperation with TMMOB Chamber of Electrical Engineers (EMO). In the webinars, held under the concept of "Age of Digital Factories", Mitsubishi Electric shared with participants the technological developments in Smart Factories focusing on Advanced Robot Technologies, MAPS-SCADA and Energy Monitoring, AI Applications, IoT and Digital Transformation of Factories.***

Carrying out important investments and activities in the digital transformation as an ambitious solution partner for the Turkish industrialists and infrastructure projects, Mitsubishi Electric continued the online events with the Izmir Branch of TMMOB Chamber of Electrical Engineers (EMO) during the pandemic.

### **Customized collaborative robots**



Advanced Robot Technologies is discussed in the first of the webinar held under the concept of "Age of Digital Factories". **Mr. Necmi Ömerdedeoğlu, Team Manager of Robot Products Management of Factory Automation Systems** said "Mitsubishi Electric maintains its pioneering leadership in industrial area also in robotics field since 1980. Collaborative robots of our brand can work precisely and fast just like industrial robots. They can answer to both customized features and ever-changing production and consumption trends." On the other hand, underlining that not only robot but also the environment it works in must be collaborative, Mr. Ömerdedeoğlu noted that Mitsubishi Electric is able to answer the most demanding expectations of the producers.

### **Technology improving the energy efficiency**

In the second webinar, **Ms. Burcu Çöpür**, **MAPS Production Management Executive of Production Management and Marketing Department of Factory Automation Systems** explained the MAPS SCADA and Energy Monitoring system. Giving insights about capabilities of MAPS SCADA, a proprietary solution of Mitsubishi Electric and the brand in the field of energy monitoring, one of the most important areas of present day, Ms. Çöpür said "SCADA which is called as the Data Collection and Control Center has functionalities such as centralized monitoring, controlling, reporting and analyzing of the system, and instant response to the failures. MAPS's alarm function facilitates detection of the source which triggered the alarm, and how frequent such alarm is triggered. Thus, great energy savings and significant improvements in the efficiency are achieved. In addition to the solutions on the part of SCADA, MAPS is also capable of analysis such as production monitoring, energy management and performance management."

### **Answer of Mitsubishi Electric to Industry 4.0: Digital factory concept e-F@ctory**



Webinar ended with the presentation "AI Applications-Internet of Things, Smart Factories during Digital Transformation of Factories" of **Mr. Tolga Bizel**, **Product Management and Marketing Unit Manager of Factory Automation Systems**. In his presentation, Mr. Bizel said "e-F@ctory, Mitsubishi Electric's digital factory concept and answer to Industry 4.0, enables producers to enjoy great advantages in the face of global competition." "Our technological solutions offer Turkish industry the opportunity to build today the digital factories of tomorrow. Today, thanks to e-F@ctory backbone, robots are able to communicate with other products in the production line. They are ready to boost productivity by exchanging data between themselves as well as factory's main control system without requiring human intervention. Our robots enhanced with Artificial Intelligence contribute added value in the production."

### **About Mitsubishi Electric Corporation**

*With nearly 100 years of experience in providing reliable, high-quality products, 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, energy, transportation and building equipment. Mitsubishi Electric enriches society with technology in the spirit of its corporate statement, "Changes for the Better," and environmental statement, "Eco Changes." The company recorded a revenue of 4,462.5 billion yen (U.S.\$ 40.9 billion\*) in the fiscal year ended March 31, 2020. For more information, please visit [www.MitsubishiElectric.com](http://www.MitsubishiElectric.com)*

*\*U.S. dollar amounts are translated from yen at the rate of ¥109=U.S.\$1, the approximate rate on the Tokyo Foreign Exchange Market on March 31, 2020*

### **About Mitsubishi Electric's Activities in Turkey**

*Main fields of activity of Mitsubishi Electric that stand out with its advanced technology solutions in various areas ranging from "Home to Space" in Turkey are; air conditioning systems, industrial automation systems, advanced robot technologies, CNC mechatronics systems, elevator and escalator systems. Designating Turkey whose power and potential it believes in as a major production headquarter, Mitsubishi Electric produces energy efficient and environment-friendly air conditioners for Europe and Turkey in its digital factory in Manisa which is the brand's first room air conditioner factory in Europe. Working to integrate factories of Turkish industry into digital transformation period, Mitsubishi Electric also draws attention with its automation technologies in the world's deepest sunken tube tunnel, the Marmaray project. Operating in several fields in Turkey such as automotive components, semiconductor devices, transportation and energy systems, Mitsubishi Electric applies its radar technology which is developed for airports to increase safety for airplanes and flights within its operations in public systems in Antalya Airport. One of the leading developers in space research and development systems, Mitsubishi Electric is also the*

manufacturer of Turksat 4A and 4B satellites which contributes to Turkey's and neighbouring countries' communication and broadcasting infrastructure. For detailed information; [tr.mitsubishielectric.com](http://tr.mitsubishielectric.com)

### **About Mitsubishi Electric Turkey Factory Automation Systems**

Mitsubishi Electric Turkey Factory Automation Systems; provide added value in terms of rapid integration, productivity, flexibility and productivity to the leading industrial companies in Turkey in various fields such as automotive, food, packaging, metal and PVC processing machines. The new industry, also called "Industry 4.0", responds with e-F@ctory, i.e. the digital factory concept. For more information; [tr3a.mitsubishielectric.com](http://tr3a.mitsubishielectric.com)

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