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22 January 2021

Meeting with stakeholders at the webinar organized in collaboration with TMMOB Chamber of Electrical Engineers, Mitsubishi Electric presented the current technologies in the factory automation

Mitsubishi Electric enables 40 Times Faster Data Communication thanks to Smart PLC Systems

Standing out with many hi-tech products from home to space Mitsubishi Electric continues at full speed the webinar series organized in collaboration with the TMMOB Chamber of Electric Engineers (EMO). At the recent event, Mitsubishi Electric Factory Automation Systems Production Management and Marketing Team PLC Product Team Leader Merve Sarihan, explained the current technologies in Smart PLC and Embedded Computers.

Bringing important investments and works into life in the digital transformation, being an ambitious solution partner for Turkish industrialists and infrastructure projects, Mitsubishi Electric held the recent session of the webinars organized online in collaboration with TMMOB Chamber of Electrical Engineers (EMO). In the presentation on the Smart PLC and Embedded Computers, Mitsubishi Electric provided attendees important information about the current key developments in the field.

Data exchange takes off, facilitating digital transformation



Speaking of the importance of horizontal and vertical communications between all systems at factories, **Mitsubishi Electric Factory Automation Systems Production Management and Marketing Team PLC Product Team Leader Merve Sarihan**, said "PLC systems and IQ platform of Mitsubishi Electric offers integrated solutions for communication and data exchange at factories. PLC, HMI or our other product systems enable 40 times faster data exchange thanks to new technologies. As a result, all systems, either in itself, or with other modules, communicates blazingly faster. At Mitsubishi Electric, we enable this communication via CC-Link IE technology, an industrial 1 Gigabit

communication network, and give these solutions the name of e-F@ctory. Our PLC products are also positioned as important components of the e-F@ctory approach, the answer of our brand to Industry 4.0.”

Smart PLCs are used in many different industries

Providing information about Mitsubishi Electric Smart PLC system in the presentation, Mrs. Sarihan explained "Mitsubishi Electric has five main PLC series. We categorize PLC products into two different systems: Compact and Modular. iQ-R, Q and L series, being modular PLC series are used in the medium-large scale applications, while compact PLC systems, so-called iQ-F and F series are preferred in the small and medium-scale machinery applications. Our iQ-R, iQ-F and other PLC systems are used in many fields such as water treatment systems and machinery applications. And Mitsubishi Electric also uses these systems to produce its own PLC systems.”

Edge Computing make possible to eliminate unnecessary use of the space

Relaying information about embedded computer systems of Mitsubishi Electric, and software featuring real-time data analysis in these computer systems, Merve Sarihan concluded: "Besides Production layer and IT systems, Factory Automation Systems also include Edge Computing. Edge Computing enables integration between Factory Automation and IT Systems. Every data produced in the factories may not always be the right data, and transferring every data produced to IT Systems leads the unnecessary use of the spaces in the server system. However, Edge Computing singles out and extracts right data and delivers them to IT systems and, when necessary, transfers these data back to the machine. And Mitsubishi Electric has a new platform which is set up in this interface. A Japan-based, open software platform Each Cross provides interface between some machines and IT servers. As a result, it becomes easier to use products in the Edge Computing.”

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 “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

**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, semi-conductor 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

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

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