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Signing Ceremony held for 5G technology to be exhibited at WIN Eurasia 2020

Mitsubishi Electric's Robot Meets 5G Technology



New 5G technology will be exhibited at WIN Eurasia Expo, Turkey's the largest industrial expo, to be organized from March 12 to 15. In advance of this expo where the participants will showcase their 5G scenarios in their exclusive 5G Arena booth, a signing ceremony is held, where local and national 5G network and base station is also present. Attended also by the technology giant Mitsubishi Electric, the producer of Turksat 4A and 4B satellites, as well as the solution partners of the project, signing ceremony highlighted the importance of 5G technology and digital transformation of firms. Mitsubishi Electric contributed with its high-technology robot to this collaboration project where the firms take part with different solutions and services. Emphasizing the strategic position of 5G technology which will boost

efficiency in the digital transformation age, Mitsubishi Electric Turkey Factory Automation Systems OEM Business Development Senior Manager Tolga Bizel highlighted that the robots having a vital importance in the production process of factories have become an integral part of today's processes thanks to the speed and convenience they provide.

To be showcased in WIN Eurasia Expo to be organized by Hannover Fairs Turkey from March 12 to 15, 2020, 5G Scenarios of Turkish industry are introduced to the public at the signing ceremony attended by the pioneering technological brand Mitsubishi Electric, the producer of Turksat 4A and 4B satellites, as well as the solution partners of the project.

During the ceremony, "CodeMaster Industry 4.0 Application" designed by MSC Group established an IIoT-based communication with Mitsubishi Electric robot, Schunk robot hand and Siemens Minsphere cloud solution using 5G Network. As part of the scenario, the entire life cycle of a product starting once the order is placed is monitored.

Attending in the ceremony on behalf of Mitsubishi Electric, **Mitsubishi Electric Turkey Factory Automation Systems OEM Business Development Senior Manager Tolga Bizel** points out the importance of 5G technology which will boost efficiency in the digital

transformation age. Underlining that every each day more and more factories start to use robot for their processes, Tolga Bizel said the robots playing a vital role in the production processes of the factories has today become an ordinary workforce thanks to the speed and convenience they provide. Indicating that world-giant Mitsubishi Electric is an ambitious player in the factory automation and advanced robot technologies in Turkey, Bizel points out that, by using robots, they aim at ensuring a more flexible production in the industry, lowering the production costs, promoting the comfort of people and be instrumental in use of robots wherever they are needed.

Robots working 25.000 hours maintenance-free under any condition 24/7

Highlighting that, by virtue of fast and sensitive robots, they offer higher levels of added value to the industrialists, Bizel informed that "Entire components of our robots such as gearbox, mechanical and electronic assemblies are in-house productions of Mitsubishi Electric. Our robots not only provide a great convenience at every stage of the production but also work 25 thousand hours maintenance-free under any conditions 24/7. Thanks to their compact bodies that can be easily handled, our robots can work in any place of a factory, allowing flexible production lines."

Now, it is time for digital factories in production

Remarking that there are interesting and exciting innovations and developments unfolding during Industry 4.0 age, Tolga Bizel concludes "In the smart factories designed with e-F@ctory, the digital concept of Mitsubishi Electric, developed as a response to Industry 4.0, all next generation devices, including robots, can communicate over the Internet. We can safely say that this communication will gain a significant acceleration by the coming of 5G technology. Allowing significant levels of cost savings in the production and using advanced technologies to optimize entire factory layers from management to production, e-F@ctory enables a producer to be one more step ahead in the global competition. It is absolutely unavoidable for factories to step into new age thanks to the speed and efficiency to be unleashed by new 5G technology."

About Mitsubishi Electric Corporation

With over 95 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. Embracing the spirit of its corporate statement, Changes for the Better, and its environmental statement, Eco Changes, Mitsubishi Electric endeavours to be a global, leading green company, enriching society with technology. The company recorded consolidated group sales of 4,519.9 billion yen (in accordance with IFRS; US\$ 40.7 billion) in the fiscal year ended March 31, 2019. For more information visit: www.MitsubishiElectric.com*

**At an exchange rate of 111 yen to the US dollar, the rate given by the Tokyo Foreign Exchange Market on March 31, 2019.*

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 and visual data 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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