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Mitsubishi Electric put emphasis on digital factories and Internet of Things at Industry 4.0 Symposium

A Roadmap for Digital Conversion of Factories for the Industrialists of Gebze

Drawing attention with its innovative technologies in the field of industrial automation systems, Mitsubishi Electric put emphasis on digital factories and Internet of Things at Industry 4.0 Symposium organized by Gebze Chamber of Mechanical Engineers. Taking part as a speaker in the event organized with the main theme of "New Business Model of the World, Efficiency Through Digital Transformation" Mitsubishi Electric Turkey Factory Automation Systems OEM Business Development Senior Manager Tolga Bizel made a presentation titled "Digitalization and Industry 4.0 for SMEs." Describing that it is possible to establish the future factories starting today using the e-F@ctory concept, Mitsubishi Electric's answer to Industry 4.0, Bizel gave advices to the industrialists to help them get prepared for the new phase of industry.



Bringing together industrialists in Gebze together with sector representatives expert in fields such as digital transformation, robotics, Industry 4.0, big data and cyber security, the Industry 4.0 symposium took place in Gebze Cultural Center on 2-3 March. In the event organized by Gebze Chamber of Mechanical Engineers with the main theme of "New Business Model of the World, Efficiency

Through Digital Transformation” **Mitsubishi Electric Turkey Factory Automation Systems OEM Business Development Senior Manager Tolga Bizel** took his place with his presentation titled "Digital factories in Industry 4.0 phase". Telling us that Mitsubishi Electric, pioneer in the fields of electric, electronics and automation, answers Industry 4.0 with its digital and smart factory concept e-F@ctory, Bizel also informed us on the Internet of Things, which forms the basis of digital transformation while making suggestions to industrialists on how to prepare for the new industrial phase.

Communication and technology gains importance with the Internet of Things

Stating that the concept of Internet of Things can be described as objects and goods sharing data by connecting to internet and communicating with humans and themselves over the cloud, Tolga Bizel relayed this information regarding the topic at hand; "Without a doubt, production is in the center of the new industry phase. Together with the topic of Industry 4.0, which has been in the focus of companies and the Internet of Things which had a great effect on technology investments of companies, the importance of communication grows even more. At this point, as Mitsubishi Electric we redesign our business models and decide where we should focus our technology investments in order to increase our performance. With the innovative solutions we develop using our deep-rooted legacy of innovation and advanced technology, we transform infrastructures, systems and processes of factories in accordance with the new digital era."

The path to personalized production goes through digital factories



Stating that the new industrial phase can be described as encouraging current industries towards computerization, Bizel relayed this information; "In the age of digital transformation, machines will be able to understand what's going on around them and they'll be able to communicate with each other via internet protocols. This way it will become easier to adapt to competitive conditions in markets thanks to the ability of optimizing production lines in factories in accordance with personalized requirements. As Mitsubishi Electric, it is possible to build tomorrow's digital factories starting today using our answer to this new industrial phase, e-F@ctory.

During this phase, thanks to the ever-increasing data transfer rates between robots and advanced robotics technologies that can communicate with each other, robots can control themselves in a more coordinated and precise fashion. Today, robots can communicate with other products on the production line thanks to e-F@ctory. They are ready to share information within themselves and the main system controlling the factory without human

intervention in order to increase efficiency. Because in e-F@ctory concept, all products that make up the factory automation work integrated to one another with open architecture."

For global competition, production quality must be increased and costs must be optimized

Reminding us of the importance of the ability to compete at a global level in order to have sustainable manufacturing capability in Turkey, Tolga Bazel said, "In order for industrialists to make production in global quality and to compete in global markets, they have to gain power in exports and optimize costs while increasing production quality. At this point, it is important that they closely follow factory automation sector and make necessary infrastructure investments in order to adapt to new technologies rapidly." Saying that future is expected to be built on communication, Bazel stated that establishing high speed and quality communication systems will be even more important for companies. Saying that managing raw materials and resources more effectively will also prove beneficial for companies at this phase, Bazel ended his words saying, "In the new phase, we can say that one of the vital aspects is to make sure if solutions provided to industrialists are indeed compatible with Industry 4.0 or not. We believe it is important for the managers of Turkish business world to make in-depth research on what Industry 4.0 really is, and to train their teams within that context."

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 endeavors to be a global, leading green company, enriching society with technology. The company recorded consolidated group sales of 4,444.4 billion yen (in accordance with IFRS; US\$ 41.9 billion) in the fiscal year ended March 31, 2018. For more information visit: www.MitsubishiElectric.com*

**At an exchange rate of 106 yen to the US dollar, the rate given by the Tokyo Foreign Exchange Market on March 31, 2018.*

About Mitsubishi Electric's Activities in Turkey

Mitsubishi Electric's main fields of activity 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 neighboring 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](https://tr3a.mitsubishielectric.com)

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