

Media Inquiries:

Mitsubishi Electric Turkey PR Agency

İnomist Communication Consultancy

Sibel Selvi Arslantürk sibel@inomist.com

+90 216 639 60 16 / +90 533 441 80 33

This text is the English translation of the official Turkish version of the applicable press release. It has been prepared solely as a reference and ease of use. Please refer to the original Turkish text for details and/or attributes. In case of any incongruity, original Turkish version shall prevail.

19 December 2017

**Mitsubishi Electric explained its high-tech automation products to the sector
representatives in Gaziantep**

In Gaziantep, Technologies Compatible to Industry 4.0 were put on the table

Mitsubishi Electric, one of the leading innovative brands of the world, met with factory automation sector representatives at the seminar organized in Gaziantep. In the event, the e-F@ctory concept of Mitsubishi Electric as a response to Industry 4.0 and advanced robotics technology and the automation works of heating, ventilating and air conditioning (HVAC) projects were explained. New generation products and solutions including Panolu Inverter Solution Platform, which collects automation systems under a single roof, were introduced.



Mitsubishi Electric, one of the leading brands in the field of electricity, electronics and automation organized a special event for the representatives of the factory automation sector in Gaziantep Divan Hotel. The brand,

which operates in a wide variety of fields in the world and provides added value to the factory for rapid integration, productivity, flexibility and efficiency, introduced its innovative technologies to its sector representatives compatible with Industry 4.0. Information about Panolu Inverter Solution Platform and Compressor solutions were given at the seminar where e-F@ctory which is Mitsubishi Electric's response to Industry 4.0 concept, advanced robot technologies, heating, ventilation and air conditioning (HVAC) were explained.

Opportunity to shape investment with e-F@ctory



In the event, which brought representatives of the sector together in Gaziantep, information about e-F@ctory concept which is the response to Mitsubishi Electric's Industry 4.0. The digital factory concept e-F@ctory, which has emerged as an integrated solution for establishing reliable and flexible production

systems, offers tremendous cost savings while increasing speed, quality and productivity in production. With this concept, Mitsubishi Electric is able to set up industrial plants to meet all the needs of Industry 4.0. Before the factory investment, it provides an opportunity to construct a virtual factory and realize the simulation of the factory and production, evaluate the efficiency and shape the investment in the direction of the outputs. Mitsubishi Electric has been using the e-F@ctory concept on its production lines since 2003 and reflects its experience on its products and customers.

"Sensorless Collision Control" prevents damages

One of the highlights of the seminar was Mitsubishi Electric's advanced robot technology. The robot control unit of Mitsubishi Electric, acting with the awareness that the speed and convenience provided by the robots will play a greater role in the industry day by day; enables the flexibility of motion control, the speed, accuracy and precision of the system. In addition, with the flexing functions, the robot arm acts as a kind of spring and is stretched according to the force. For advanced applications, Mitsubishi Electric's robots can be easily integrated with conveyor (conveyor belt) and product monitoring, force control and visibility features. The "Sensorless Collision Control" feature allows the robot to detect any obstacle in manual or automatic mode and prevent collision damage.

It can mimic human arm movements

The RV-F series of Mitsubishi Electric's dynamic 6-axis robot is able to mimic human arm movements and boost productivity using very high speed systems with its 0.32 second cycle times. The dual-arm structure of the 6-axis industrial robot, which can easily handle flexible figures with its dynamic structure, does not only provide added value in terms of freedom of movement, but also offers more stability and versatility. For the RV-F series, it is not difficult to work in very tight spaces, and it is no problem to mount robots on walls or ceilings. Mitsubishi Electric robots range from 504 to 2.050 millimeters depending on the model, with a carrying capacity of 2 to 70 kilograms.

Innovative automation system solutions are under one roof

Mitsubishi Electric, which provides high value added advanced technology automation solutions to Turkish industry, also introduced "Panel Inverter Solution Platform" which collects innovative automation system solutions under one roof. Outside the cabin platform produced in



Turkey, it offers the possibility of commissioning in a short period of time to industrial facilities and infrastructure projects. "Panel Inverter Solution Platform" which enables the automation of many different processes such as fan, pump, compressor, air handling unit, mill, conveyor, crane, crusher, mixer and opening-winding applications much more practically and efficiently, with its parameters and programs, also removes the need for additional hardware. This platform has a substructure that can provide a complete solution including PLC control system solution, low harmonic solution, brake unit and brake resistance solution, panel cooling system solution as well as the panel inverter solution. In addition, due to its wide range of options and modular structure, it can be preferred either individually or in groups according to the needs of facilities and projects.

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 4,238.6 billion yen (US\$ 37.8 billion) in the fiscal year ended March 31, 2017. For more information visit: www.MitsubishiElectric.com*

** It was calculated by 1 USD = 112 Yen exchange rate announced by the Tokyo Foreign Exchange Market on March 31, 2017.*

About Mitsubishi Electric's Activities in Turkey

Mitsubishi Electric's main fields of activity in Turkey are; air conditioning systems, factory automation systems, advanced robotics, CNC mechatronic systems, elevator and escalator systems and visual data systems. Mitsubishi Electric, which established a room air conditioner development and manufacturing company in April 2016 in Turkey, began production in Manisa factory in December 2017. Mitsubishi Electric, the producer of Turksat 4A and 4B satellites, which contributes to the communication and publishing infrastructure of Turkey and neighboring countries, is notable for its satellites as well as the automation technology used in the Marmaray project. For more 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