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Mitsubishi Electric Türkiye Showcased Its Future-Enabling Technologies at the "Robotics and Automation Solutions Symposium for the Future of Industry

The future-oriented solutions and technologies of Mitsubishi Electric Türkiye Factory Automation Systems attracted strong interest at the "Robotics and Automation Solutions Symposium for the Future of Industry," held in Manisa.

Automation solutions and artificial intelligence that support flexibility and profitability help businesses respond faster, meet customer demands as quickly and accurately as possible, sustain their competitive advantage, and continue growing successfully. Data-driven technologies such as data analytics, artificial intelligence (AI), and digital twins stand out as key enablers that will carry businesses into the future.

Supporting manufacturers in building the digital factories of the future today and standing out in global competition with its innovative automation concepts and solutions, **Mitsubishi Electric Türkiye Factory Automation Systems** showcased its technologies and solutions for smart manufacturing and future-ready factories at the "Robotics and Automation Solutions Symposium for the Future of Industry," held in Manisa on March 7–8. In addition, through two dedicated presentations, the company shared detailed insights with participants on the products and solutions it offers to the industry in the fields of smart manufacturing and data science on the factory floor.

Stating that Mitsubishi Electric Türkiye is a key partner helping businesses in their digital transformation journeys through advanced software and hardware technologies as well as global collaborations, **Burcu Çöpür**, SCADA & HMI Product Manager at Mitsubishi Electric Türkiye Factory Automation Systems, provided comprehensive information on the smart manufacturing and digital transformation solutions offered to the market. Emphasizing that transforming data into actionable knowledge is a fundamental requirement in smart manufacturing applications, Çöpür noted that with the ICONICS SUITE software, companies can easily calculate key performance indicators based on both real-time and historical data already collected, evaluate how efficiently processes are operating, and thereby increase production efficiency. She explained that the SMKL (Smart Manufacturing Kaizen Level) technology, based on the Japanese philosophies of Kaizen, Poka Yoke, and TPM (Total Productive Maintenance), enables companies to improve their production processes and achieve return on investment through data collection, visualization, and analysis. Also sharing insights on digital twin applications, Çöpür stated: "Digital twins are digital representations of physical assets. Every production asset has a physical geometry, generates telemetry data, contains associated metadata, and can be analyzed. At Mitsubishi Electric, we combine these four dimensions to generate operational insights and provide businesses with enhanced control capabilities."

Ali Kıbrıslı, Servo & Motion Control Product Manager at Mitsubishi Electric Türkiye Factory Automation Systems, also addressed participants in his presentation titled "Data Science Applications on the Production Floor," reminding them that data science can be more accessible than commonly perceived. Kıbrıslı explained that by using Mitsubishi Electric's smart field-level products and their built-in functions suitable for AI-supported applications, companies can optimize production quality and processes without incurring high costs. Highlighting Mitsubishi Electric's field-level data science

platform MAILAB, he underlined the advantages of using such systems as actively and as close to the production environment as possible, and emphasized the value that synchronized operation of production equipment through data science can deliver to businesses.