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Mitsubishi Electric's "Panel Solution Platform" provides industries and infrastructure projects with the ability to operate in a brief time

Industry 4.0 Compatible Next Generation Automation Platform

Preferred by manufacturers around the world for its advanced automation systems, technology giant Mitsubishi Electric gathers all automation products under a single roof with its Industry 4.0 compatible "Panel Solution Platform". The platform provides industries and infrastructure project with the ability to operate in a short time. Eliminating the need of additional hardware with incorporated ready-to-use solution parameters and softwares, the platform enables quick and easy installation, commissioning and troubleshooting. With its modular design, "Panel Solution Platform" also reduces maintenance cost and stoppage times.



Providing Turkish industry with advanced technology automation solutions with high added value, Mitsubishi Electric gathers all innovative automation system solutions under a single roof with its Industry 4.0 compatible "Panel Solution Platform". With its exterior cabin manufactured in Turkey, the panel enables rapid commissioning for industrial facilities and infrastructure projects. The platform can be further enhanced with Mitsubishi Electric's new inverter series A800 Plus which provides much more than traditional frequency inverters with its special functions developed specifically for crane, elevator and winder-unwinder applications.

No additional hardware is needed

Making it possible to perform automation of numerous processes such as fan, pump, compressor, air conditioner plant, mill, conveyor, crane, breaker, mixer and winder-unwinder applications more practically and efficiently, "Panel Solution Platform" eliminates the need of

additional hardware with incorporated ready-to-use solution parameters and softwares. This platform has the infrastructure that can provide complete solution which includes areas such as PLC control system solution, low harmonics solution, brake unit and brake resistance solution, panel cooling system solution. Also, wide range of options and modular structure makes it possible for facilities and projects to choose them individually or in groups if needed.

Modular panel system meeting EN 61439-1/2 type test standards

Mitsubishi Electric's Panel Solution Platform has a modular design equipped with EN 61439-1/2 type test standards compatible bar systems and equipments, manufactured in compliance with assembly instructions and also passed short circuit and temperature rise tests. Developed with Mitsubishi Electric's sense of high quality, the platform provides wide range of panel IP options from IP21 to IP54 which can operate without loss even in environments with 95% humidity and under temps from -10°C to 50°C. Also, the ceiling ventilation system with high suction capacity fan and fan module and seamless skeletal structure provides perfect earthing continuity.

Even stronger with A800 and F800 inverters



With standard features developed specifically for applications such as unmatched motor recognition for permanent magnet and asynchronous motors, V/f and vector control operation, open and closed loop vector control, velocity, torque and position control, "Panel Solution Platform" provides high process compatibility.

Mitsubishi Electric's panel inverter solutions, enhanced with A800 series inverters with unique lifting, travelling and positioning functions has 250 percent overload capacity, advanced braking capability and closed loop operation features. Its solutions enhanced with F800 series inverters with innately talented, advanced fan pump functions provide perfect flow rate, pressure and temperature control features with unique PID technology.

EN 50598-2 Class IE2 European Eco Design Standards compliant smart platform

With up to 98 percent efficiency according to European Eco Design Standard, the platform provides extra energy saving with its permanent magnet motor drive feature. Enhanced with 6K memory capacity, 19ns loop speed and advanced integrated PLC feature, the platform can perform all operating scenarios with inverter without the need to buy any other equipment. In the platform where plug-and-play automatic communication can be performed with GT2000 series operator panels; LCD parameter unit in Turkish with real-time clock is included.

Easy maintenance, connection and remote access feature

Mitsubishi Electric's "Panel Solution Platform" reduces maintenance costs and stoppage times with features such as; long-term data recording in USB, integral preventive maintenance and advanced fault logging. Provides the ability to perform remote execution of procedures such as alarm monitoring, parameter adjustments and operation state information from wherever you are via easy access feature over Web Server or Wi-Fi. Compatible with CC-Link, Profibus, Profinet, EtherCat, Ethernet-IP, DeviceNet, Can Open, Lonworks, Modbus-RTU, Modbus TCP/IP, BacNet and BacNet IP communication options.

Easy installation and high security



The platform with advanced energy savings monitor provides; easy and quick installation, commissioning and troubleshooting. The platform with Mini-B USB programming port; gives the ability to copy and examine inverter parameters and PLC program in USB 2.0 memory sticks, obtain trends and carry information. While the platform's integrated emergency stop (SIL2) function provides high security, its ability to prevent access in parameters and integrated PLCs protects special information and increases security.

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

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