New benchmark SCADA software platform

MAPS 4, the latest SCADA solution from Mitsubishi Electric for control and visualisation, extends connectivity options, adds user tools and increases the scope of its built-in functionality. The result is a software suite that can reduce the time taken for project development and integration, while also enabling users to realise Smart Factory objectives.

Built on a strong Service Oriented Architecture (SOA), the full MAPS 4 process suite delivers flexibility in handling, automating, controlling, verifying and auditing processes. It provides a full life-cycle planning, management and integration platform for applications from manufacturing to infrastructure. There is also a dedicated HMI version available for machine builders and customers that require a more light-weight SCADA solution for localised control and visualisation tasks.

The SCADA software suite has useful everyday features such as an MS Excel bulk-configuration tool. This tool for example enables Excel users to create a large part of a SCADA project, for instance Tag databases, logging, and alarm definitions, in an intuitive and easy to use environment. The user also benefits from the many copy/paste and mass-configuration functionalities in Excel.

There are also extensive libraries for Mitsubishi Electric factory automation hardware and more than 100 other PLC and RTU drivers onboard to make routine configuration quicker and more efficient. Use of pre-configured Object Template models as well as easy creation of new, individual models also support a fast, optimised integration process. Project changes can be deployed centrally providing a single point of engineering that reduces costs and increases usability.

Secure data sharing and cross platform connectivity are both high priorities for many process management applications. Therefore the SCADA solution can be hosted locally, in the cloud or privately. It can also be connected seamlessly to other third-party cloud hosted environments. Developed around popular industry standards such as OPC DA and UA, MQTT and BACNet, the entire software suite is effectively Industry 4.0 and IIoT ready. It combines the compatibility advantages of built-in OPC UA and DA support, with the openness of an HTML5 web client. Secure web connections provide easy browser-based monitoring and operation for PCs and mobile devices.

The scope and scalability of the product mean that project engineering and development costs for both large and small applications can be significantly reduced. The amount of physical programming required is kept low, even when the complexity of the application increases. This has benefits for the end user and the system integrators as both can become more competitive as a result. The investment is also better secured because the solution remains very flexible for updates and new projects.

For more information visit: www.mapsscada.com

Note:
See how Mitsubishi Electric can respond to today's automation demands:
eu3a.mitsubishielectric.com/fa/en/solutions

Image Caption: Use of pre-configured Object Template models as well as easy creation of new, individual models support a fast, optimised integration process.

[Source: Mitsubishi Electric Europe B.V.]

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Note to Editor: if you would like the text in another language please contact Philip Howe at DMA Europa – philip@dmaeuropa.com.

About Mitsubishi Electric

With nearly 100 years of experience in providing reliable, high-quality products, Mitsubishi Electric Corporation (TOKYO: 6503) is a recognised 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, as well as in products for the energy sector, transportation and building equipment.

With around 145,817 employees the company recorded consolidated group sales of approximately 40.7 billion dollars* in the fiscal year that ended on March 31, 2019.

Our sales offices, research & development centres and manufacturing plants are located in over 30 countries.

Factory Automation EMEA

Mitsubishi Electric Europe B.V., Factory Automation EMEA has its European headquarters in Ratingen near Dusseldorf, Germany. It is a part of Mitsubishi Electric Europe B.V., a wholly owned subsidiary of Mitsubishi Electric Corporation, Japan.

The role of Factory Automation EMEA is to manage sales, service and support across its network of local branches and distributors throughout the EMEA region.
*Exchange rate 111 Yen = 1 US Dollars, last updated 31.03.2019 (Source: Tokyo Foreign Exchange Market)

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