

PRESS RELEASE

20/12/2017



Mitsubishi Electric's Smart Condition Monitoring solution wins 2017 Food Processing Award



Mitsubishi Electric has gained further recognition for the innovative Smart Condition Monitoring (SCM) solution, winning the Continuous Improvement category at the 2017 Food Processing Awards. Part of the Appetite for Engineering conference, the annual Food Processing Awards are designed to recognise and reward engineering innovation in the food and beverage sector.

The SCM was developed to provide a simple, easy to implement solution for predictive maintenance, offering the tools that businesses need to bring an end to costly, unscheduled downtime. The SCM is built around smart sensors, physically attached to the assets in question and transmitting feedback information to an advanced controller which incorporates a Mitsubishi Electric PLC.

The individual sensors provide an in-built traffic light warning indication at the machine, while also transferring the data over Ethernet to the smart sensor controller for in-depth monitoring and more detailed analysis. The crucial data analysis is performed on-board the PLC, so the system can be relied upon to transmit simple but accurate overviews or warnings to operators in real-time prior to any significant asset failure.

Further, the solution can be used as a self-contained, standalone device or as part of a fully integrated system. It allows information to be transmitted across the factory for easy access via HMIs on the shop floor, to PCs connected to higher-level systems, or to mobile devices over local Wi-Fi, the Internet or mobile

networks.

"Unplanned downtime is one of the biggest costs to UK businesses and it's great to win an award for a solution that helps alleviate the issue. Thanks are due to those who submitted the entry and the judging panel for the recognition." comments Mitsubishi Electric Marketing & Operations Group Manager Chris Evans.



"Predictive maintenance holds the key to minimising the risks of equipment failure but monitoring practices have traditionally been expensive, problematic and at worst unreliable. The SCM addresses those challenges, providing vastly improved predictive maintenance and optimised asset lifecycle management. With maintenance able to be planned in advance, there is far less unplanned downtime and significant reductions in short notice loss of service."

About Mitsubishi Electric

With over 95 years of experience in providing reliable, high-quality products to both corporate clients and general consumers all over the world, 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, as well as in products for the energy sector, water and waste water, transportation and building equipment.

With around 135,000 employees the company recorded consolidated group sales of 37.8 billion US Dollar* in the



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fiscal year ended March 31, 2017.

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

Mitsubishi Electric Europe, Industrial Automation – UK Branch is located in Hatfield, United Kingdom. It is a part of the European Factory Automation Business Group based in Ratingen, Germany which in turn is part of Mitsubishi Electric Europe B.V., a wholly owned subsidiary of Mitsubishi Electric Corporation, Japan.

The role of Industrial Automation – UK Branch is to manage sales, service and support across its network of local branches and distributors throughout the United Kingdom.

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