



TG2000 is central to better energy rating

Mitsubishi Electric's head office in Hatfield has benefitted from the use of TG2000 controls software for almost 5 years.

The advanced controller is used to monitor and control all of the air conditioning equipment across three floors and two wings, offering total control and a variety of monitoring functionality aimed at reducing energy use.

The software enables the facilities department to monitor the energy consumption for each business unit and also to change the air conditioning settings using a single graphical interface.



Case Study

Mitsubishi Electric
Hatfield

Making a
World of
Difference



Installation Summary

The TG2000 is used to monitor and control all of the air conditioning equipment across three floors and two wings

Monitored energy consumption

The company has increased their energy rating from an 'E' to a 'B' using off-the shelf equipment including the TG2000 system

The scheduling is optimised for summer and winter with different set points in operation during different seasons, i.e. 21°C heating in winter and 23°C cooling in summer.

The close control cooling system in the server room is also monitored using the TG2000 and a special interface, the facilities and IT managers to be notified if the temperature or humidity fall outside of normal parameters.

Other control strategies that are in place with the TG2000 include the Air Curtain in the reception area only being activated when required. PWFY air to water heat pumps serving the kitchen and the canteen are also monitored and controlled using the TG2000.

Over the past five years, Mitsubishi Electric has sought to improve the energy efficiency of the building. Using off-the-shelf equipment, replaced as part of a routine maintenance regime, the company has increased the energy rating of this 1980's, three-storey, glass-fronted office block from an 'E' to a 'B'.

The TG2000 has been a primary driver in this process, tying the different technologies and systems together in one centralised controller.

The TG2000 allows the facilities manager not only to monitor and control all Mitsubishi Electric equipment (including the air conditioning, Photovoltaics and hot water) from one location, but also any third party equipment and act as a Building Energy Management System.

For further information on Mitsubishi Electric's control solutions simply call 01707 282880 or visit <http://airconditioning.mitsubishielectric.co.uk/>.



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