

Toshiba Solutions

SMi exceeds expectations at headquarters

Case Study: Eve Transcom

Toshiba's SMi VRF system is compact, controllable and efficient. The satisfied customer also benefited from tax concessions under the government's ECA scheme for the use of energy-efficient products.



Application

Eve Transcom, the UK's largest and oldest power transmission producer, moved into a 4000 ft² two-storey headquarters building on the giant Sherwood Industrial Park to the west of Nottingham.

This large office unit had undergone a £1.5 million refurbishment. Included in the preparation of a world class facility was a reliable, high quality air conditioning system. The building has very little outdoor roof space for outdoor units. Significant solar gain influenced the choice of a heat recovery system.



The solution

Nine Toshiba SMi systems and two new RAV splits were supplied by HRP Sales. The compact size of the new intelligent Toshiba SMi fitted the bill perfectly. There is plenty of eaves space in this building for the Toshiba ducted units, distributing the air, and for the multi-controllers, controlling the refrigerant flow.

The SMi is called "intelligent", because the new inverter-controlled power drive unit permits equipment miniaturisation. 30% fewer brazed joint connections are required, resulting in increased reliability. Each unit has a 40% smaller footprint than the classic Toshiba Super Multi. Compressor heater control is integrated into the units, and a component layout change improves accessibility and facilitates maintenance.

The system provides sufficient cooling and heating, and the client no longer needs to use the building's perimeter wet heating system. With a Toshiba 64-way controller and timer on each floor with firelock link, the system delivers complete environmental occupier comfort at all times.

Eve Transcom is a prominent modern company and a major constructor of mobile phone masts and supplier of communications services. The company selected energy-efficient inverter-controlled systems that carry a tax benefit of more than £1000 per unit under the government's Enhanced Capital Allowance scheme. Further information is available from www.eca.gov.uk

Another aspect of this installation was the exceptional speed with which the supply chain responded. The whole contract had to be completed within twelve weeks - and of course commissioning was required on a Sunday! The simplicity of the Toshiba design made this possible.

"Using a three-pipe system means that not only is the building cooled, but the hydronic heating system has been dispensed with."



www.toshiba-aircon.co.uk
Telephone: 0870 843 0333
Email: general.enquiries@toshiba-ac.com