

COOLING OF NEW DATA CENTRE IN GRADE 2 LISTED BUILDING

Worcester University have recently installed a Celsius Evaporative cooling system for their new Data Centre in their Grade 2 city centre campus in the old hospital building.



The system utilises 3 no. Celsius EcoCooling units and 3 no. wall mounted Celsius extraction units. The Celsius system has an 'atemperation' system to ensure that the area is fed with correct temperature air throughout the year.

The system will cope with a 90KW internal heatload and save over £21,000.00 in running costs and over 162 tonnes of carbon when compared to conventional air conditioning, offering payback of less than 2 years. The capital installation cost was less than a third of the comparable Denco air conditioning system.

The coolers and all ducting and steelwork are colour co-ordinated to match the architects requirements and satisfy English Heritage. The system is controlled from a central Celsius PLC control system linking into the Building Management System.