

Energy Efficient Office Evaporative cooling



Comms Audit of Cheltenham wanted an energy efficient method of cooling their newly constructed mezzanine floor offices. The area suffered from both high internal heat gains due to the high proportion of computer equipment within the area and also high solar heat gains through the windows and rooflights.

The total internal heatload was in the region of 30KW and Evaporative cooling proved the perfect solution, the input load to the cooler was only 1.5KW and the peripheral windows provided the extraction from the area, making it the greenest cooling method available.

It is over £6,000.00 per annum cheaper to run than a comparable air conditioning system. It also provides constant fresh air to the area, not recirculated air, therefore, minimising 'sick building' syndrome and reducing CO2 levels, keeping staff alert and healthier.



Comms Audit also installed a further Celsius EcoCooling unit in the shopfloor area under the mezzanine floor to minimise summertime temperatures.

Both systems incorporate an automatic thermostatic control system, providing the perfect working temperatures. Celsius provided a complete turnkey installation including wiring, water, roof flashings, supporting steelwork and all attenuation.