

EVAPORATIVE COOLING OF DATA CENTRE FOR HALCROW SWINDON



Halcrow are one of the worlds largest engineering consultancies and are constantly looking to reduce their carbon footprint. To help with this they have recently installed a system of three Celsius EcoCooling evaporative coolers and two interlinked extraction systems.

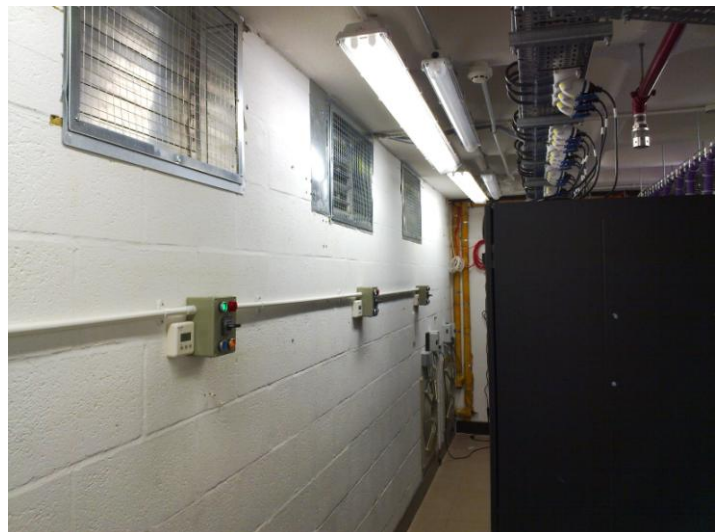
This has enabled them to remove three existing refrigeration based air

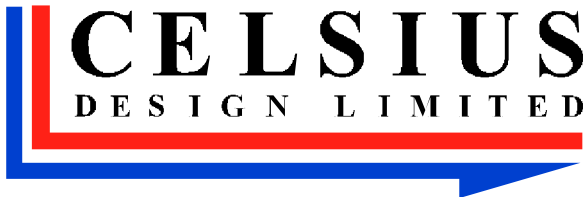
conditioning units that were undersized and struggled to keep the area cool during the warmer summer months.

The new system is expected to save over £20,000.00 of electricity per annum and over 170 tonnes of carbon emissions, compared to their old inefficient air conditioning system.

The system utilises 3 no. Celsius EcoCooling units and 2 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, even in the depths of winter using waste heat from the Data centre to temper the incoming fresh air.

The coolers and all ducting has been installed in the room adjacent to the Data Centre, the windows have been replaced with louvres and the cooled air is then ducted through the dividing wall into the Data Centre, a very ingenious installation indeed, all installed whilst the Data Centre continued running with no down time.





Halcrow Yolles

