



EVAPORATIVE COOLING IN COMPUTER ROOMS

Warwickshire Council Mainframe Computer Suite



The main server for Warwickshire Council in their headquarters offices at Kings House Bedworth used to be cooled using three Airdale floor mounted computer room air conditioning units (CRAC's) providing cool air under the raised modular flooring to the computer racks, drawing around 30KW of power.

These were very expensive to run as they needed to provide cooling year round. We have installed two Evaporative cooling units and one ducted extraction fan unit to fully cool the area automatically from our central panel.

The new Celsius system only draws a maximum of 4KW of power at full load, thus drastically reducing the Councils running costs and carbon footprint.



The Celsius system also requires far less maintenance than the refrigeration based system that was cooling the area previously.

The Celsius system has maintained the temperature with a tolerance of + or - 1Co since commissioning.

The Council are very happy with the installation, with both performance and reliability and we are currently installing more Evaporative cooling systems for them at other Council sites in Warwickshire.