



## SYSPAL REPLACE OLD AIR CONDITIONING WITH ENERGY SAVING EVAPORATIVE COOLING

### Staff stay Cool and Alert

When Syspal's R22 old air conditioning system needed to be replaced they chose a Celsius EcoCooling Evaporative cooling system.

This was due to the massive energy savings that could be made and also because the Evaporative cooling system continuously introduces fresh filtered air into the office.

Whereas, the old air conditioning system simply recirculated the stale air around the office. This leads to higher than recommended CO2 levels and the spread of coughs, colds and virus's, often referred to as 'sick building syndrome'.



When the old air conditioning system 'packed in', the office suffered badly with solar gain through the south facing glazing and was unbearable during spring and summer with temperatures regularly topping 35Co.

The new Celsius system consists of three roof mounted Celsius coolers and extraction is provided through the various peripheral windows, the coolers incorporate attenuation sections to minimise noise into the area.

The coolers provide thermostatically controlled fresh cool air when required, this keeps the staff cool and also very alert as carbon dioxide levels are kept to a minimum.

The Evaporative cooling system has running costs of less than 10% of comparable air conditioning and saves over 30 tonnes of carbon per annum, **this system qualified for a 4 year interest free carbon trust loan, all arranged by Celsius.**

*"Keeping people comfortable without costing the earth"*

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