

Relocation Cooling

Expanding to new premises is a large investment for any company, whether expanding to a larger plant to allow for increased production or a setting up in a new location, finding the right premises can often require additional consideration for office and process cooling.

Limited Ventilation

This was the case for a building materials manufacturer opening a new site in North Yorkshire. Having found the ideal site for their new plant, the site logistics meant that the electrical control room was located in the centre of the site. This electrical hub subsequently generated a significant amount of heat.

With limited ventilation on site, ICS Industrial Cooling was invited to site to provide an efficient cooling solution.

Equipment Supplied



Following a site survey to ascertain the company's specific requirements, ICS calculated that with the electrical heat input plus the ambient gain from the factory environment an **Eolo 220 split chiller package** was required to maintain the desired temperature of **22°C** allowing for easy air flow changes and extremely quiet operation.

Cooling Solution

The **air cooled MTA split DX system** provided the required **62kW of cooling**.

Due to the limited internal ventilation the condenser was designed and connected at a distance of 50m from the electrical base. This minimised the size of the condensing unit required and its positioning in external ambient temperatures reduced the power absorbed, **maximising energy efficiency**.

An AHU was located on top of the electrical control room and from here a cooling feed was placed into the control room and extracted out creating the ventilation. This provided the required cooling suitable for extended operation.

Following installation the system was commissioned by a fully qualified ICS Service Engineer and operation on site continued uninterrupted.

Nationwide Support

Call us free on 0800 169 3861 for an emergency visit or to order equipment fast, or contact us on one of our local office numbers below:

