

Free Cooling for Plastics Customer

When a Northern based plastics company required replacement cooling for their plastic sheeting process they turned to ICS Industrial Cooling.

Project

Following an initial site survey ICS identified ageing chillers and low efficiency on site. Reviewing the site survey with the customer capital restraints were identified on the project, highlighting a lower cost solution was required.

ICS engineers found the best solution was to install a **free cooling** system to boost the efficiency and reduce the overall use of the aging units.

This solution allowed the customer to overcome the companies efficiency shortfall and allows for replacement chillers to work in sync with the new free cooling system when the capital is available.



The Free Cooling System on site



Equipment Supplied

The equipment supplied was a **single flat bed free cooling coil at 616kW**.

ICS Solution

This system was especially efficient as the required temperature was 10°C and 15°C which is the optimum temperature for free cooling, therefore maximising their energy efficiency.

A free cooling systems utilises the ambient air temperature to cool the process therefore saving money on energy costs that would have previously been needed to generate the cooling.

As the required temperatures for this application were 10/15 °C the payback for the free cooling could be as little as 18-24 months as it encouraged savings of up to 40%.

Call us free on 0800 169 3861 to see how you can save money with free cooling systems. Or contact us locally on one of the numbers below.

