

A chill store under capacity

Project

A customer's chill store was running high on temperature as a result of larger than average stocks due to increased seasonal demand.

The customer called Cool Energy because they needed additional cooling to cope with the lack of cooling duty in store and their client was due for an inspection later on in the week.

The chill store was operating 2oC above their standard conditions and was in danger of running out of specification – meaning a complete removal of food products from site at a cost in the region of £25,000.



Equipment Supplied

A 135kW chiller – complete with integral 600litre buffer tank and water circulation pump – connected by 2" water hose to an internally sited 50kW low temperature fan coil capable of offering 27,500m³/hr. Delivered next day on HIAB transport.



Cool Energy Solution

The Cool Energy rental engineer liaised with the customer and visited site within the same day and recommended a supplementary cooling package.

The customer agreed to the position an internal low temperature rental fan coil on existing racking where it would be best utilized offering 100% air recirculation.

Cool Energy delivered a 135kW chiller to site early the next day on a HIAB crane lorry and 2 engineers installed the chiller by connecting with 2" flexible hoses to the internal unit.

The cooling package was up and running before lunchtime and stabilized the store's temperature within 1 hour. An automatic independent defrost system was employed for the rental package.

The customer later signed a 12-month rental contract to ensure the temperature on site. They had no additional capital available and had to wait for their budget for next year to be approved.



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