

STAR LANDS LEADING ROLE AT SEAFOOD FACILITY

Customer:	Chan Brothers Ltd
Location:	London, UK
Equipment:	282kW refrigeration plant for 3 x cold rooms with 3000 pallet storage
Refrigerant:	R404A
Benefits:	Total Solution Star supplied Refrigeration, Insulation, M&E, Civils, Principle Contractor, CDM

Star Refrigeration has completed a major warehouse conversion project in London for frozen seafood supplier Chan Brothers Ltd.

In a contract valued at £2.7 million, cooling solutions specialist Star assumed the role of principal contractor. Star not only supplied a cold store refrigeration plant, but was also responsible for the complete fit out of the building.

Chan Brothers imports, stores and distributes seafood to the UK food service trade. The company was looking to develop an existing warehouse into a cold storage facility in the Docklands area of London.

The converted building was to feature three large cold stores, each with racking for pallets of frozen seafood. Together the insulated cold rooms would provide storage for just under 3,000 pallets, or

around 3,500 tonnes of product.

Cooling solutions specialist Star initially developed a proposal to design and supply a refrigeration plant for the cold stores. Later taking on the role of principal contractor, Star managed all aspects of the building conversion, as well as providing the refrigeration system.



The completed warehouse with new cold stores and loading ramps

The building includes a number of environmentally conscious energy saving features including solar panels for warm water and ground source heat pumps for warehouse heating. A rainwater harvesting system provides water for toilets, general washing down and a vehicle wash facility. Star also established a waste management system, to comply with current regulations.

Star Refrigeration Sales Director Rob Lamb says: "The Chan Brothers project demonstrates our ability to be a 'total solutions provider' – a phrase

which has become the watchword of our business.”

Star designed, manufactured and installed an R404a refrigeration plant, featuring triplex compressors, low pressure receiver, nine evaporators and an evaporative condenser. The 282kW system provides efficient cooling for the three cold stores at minus 24 degrees centigrade

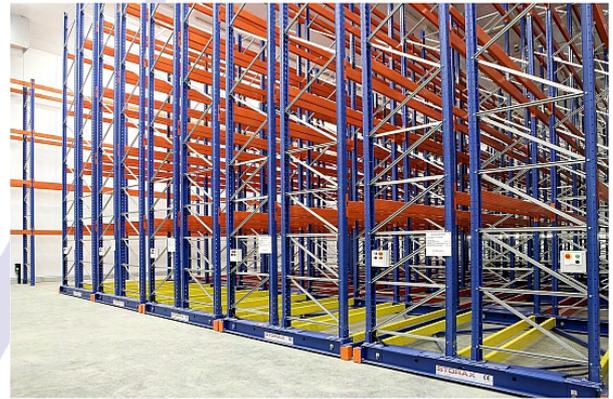


Part of Star's state-of-the-art refrigeration plant, which provides cooling for three cold stores at Chan Brothers.

In addition, Star organised all building works onsite, including the cold store insulation package, supplied and installed by ISD. Star also oversaw the installation of fixed pallet racking and a touch button mobile storage racking system in the largest cold store. This was supplied by Storax Racking Systems.

Building modification works were carried out by Chalcraft, whose work included construction of a steel mezzanine with storage area and installation

of partition walls in the office area.



Part of the fully automated mobile storage racking system

Mechanical and electrical contractor, Penec was responsible for lighting, power and wiring on site, including CCTV access, fire alarm and communication systems. Penec was also responsible for installation of the office HVAC, fit out of the on-site offices, kitchen, canteen and toilet facilities. Penec is a member of the Star Refrigeration group of companies.

Star Refrigeration is the UK's largest independent industrial refrigeration engineering company. Star focuses on the design, manufacture, installation, commissioning and aftercare of industrial refrigeration and HVAC systems.

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