



CLADE

CASE STUDY //

ALDI, ATHERSTONE

NEXT





CUSTOMER REQUIREMENTS //



We were initially contacted by Aldi's design consultant, K2 Engineering in December 2018 regarding the opportunity to supply Aldi with refrigeration to a new suite of rooms, incorporating both chilled and frozen.

The works were conducted alongside the main building contractor; DSP Construction Management Ltd.





CUSTOMER REQUIREMENTS //

The location of the project was the Aldi Atherstone Regional Distribution centre, which is located at the Aldi UK Head office. The requirement was to convert existing ambient space to chilled / frozen storage due to an increased requirement for chilled and frozen products in their stores.

The plant was located externally at ground level to allow safe maintenance access in future and to prevent health & safety concerns associated with locating it on the roof.

Being adjacent to the cold room suite, the plant location was chosen to reduce charge size and leak potential due to minimised pipe runs.

RDM was the controller of choice and was used for the plant and the BMS system, we also installed a secondary monitoring system utilising RDM, alongside CPC for leak detection.

Clade Engineering Systems have supplied refrigeration plant to over 100 Aldi stores.





SPECIFICATION //

Having worked with Aldi for several years on refits and new store openings, it was clear that the solution would have to be a natural based refrigerant and CO2 was the obvious choice.

With a required capacity of 28kW MT and 48kW LT, the Clade Universal dual temperature CO2 pack, combined with Kelvion gas coolers and evaporators, provided the perfect solution. This was also aligned to the current new store refrigeration specification.

With the works happening in an existing facility, the main challenge was to provide a compliant offer in terms of specification, whilst providing best value for the customer requirement.

During the works, the site continued to trade so we had to be extremely vigilant whilst working on site. We had to programme works in a manner that would minimise disruption of day-to-day activities, whilst maintaining Aldi's stringent Health and Safety standards.

“Clade were appointed to carry out the Refrigeration works package as part of Aldi Atherstone Phase 2 expansion and at all times a professional and reliable service with flexibility to time where needed was managed without hesitation. The challenging situations working in a live environment was never frowned upon and at all times courtesy and respect to client and end user was impeccable.

To this end we would have no hesitation in recommending or continuing to use the services provided by Clade”

STEWART REYNOLDS, CONSTRUCTION MANAGER, DSP CONSTRUCTION MANAGEMENT LTD

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ENERGY AND ENVIRONMENT //

Energy and the environment have always been a key driver for Aldi, so we knew that we had to select the most energy efficient equipment available. In addition to the natural refrigerant selection (CO2), we were able to ensure minimal environmental and energy impact using inverter technology on compressors, EC fan motors and intelligent system controls.

Unique Features

This was a turnkey offering to Aldi’s head office; including system design, plant manufacture, installation, commissioning, service and maintenance support for a rolling 12 months from date of handover.

During the handover, we committed to provide three separate training sessions with the Aldi maintenance team to ensure that they were comfortable at handover.





CONTACT US //



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