

CASE STUDY – HVAC SERVICES



Arla Foods ventilation improvements

Arla Foods UK is home to some of Britain’s most popular dairy brands, including Cravendale, Lurpak and Anchor. Processing 3.5 billion litres of milk a year, Arla is one of the UK’s leading dairy companies and supplies fresh liquid milk and cream to the top seven retailers. This project took place at Arla Foods’ London factory in Palmers Green.

Having assessed a risk in an enclosed roof area, our client commissioned ventilation improvements within the facility. The new ventilation was to integrate with the existing fire alarm system and motor control centre (MCC).

Eight small direct-driven roof ventilation fans were fitted, with the roof structure modified accordingly and a suitable power supply installed. To comply with the building’s safety arrangements, the fans were to be isolated in the event of a fire via a control/starter panel.



Site engineers completed the installation in just a few days, with new power supplies fitted from the existing Merlin distribution boards to points of local isolation for each fan. Fans were installed onto new kerbs on the roof and, upon completion, new starter panels were fitted, powered and integrated with the existing site BMS system. Fire alarm terminals were left ready for connection by site BMS engineers.



Alex Forrest, Gibbons’ Senior Mechanical Engineer, said: “Being able to have multiple works delivered by a single contractor helped our client save valuable time and money. We achieved precise co-ordination of all the necessary trades, including installation of new kerbs, weather proofing, panel design and manufacture, site wiring and testing.”

The new fan and panel installation now provide plentiful ventilation to the void, allowing air change rates to be achieved and creating a safer environment. The new system ensures Arla may continue to operate whilst fully complying with regulations.