



Project name – Morrisons Bridgwater RDC

Market sector - Retail

Geographic sector - Somerset

Project details

We were asked by Mechanical Contractors Mitton Mechanical Services Ltd to provide a natural ventilation system suitable for the 767,500sq ft distribution centre based in Somerset.

The recently completed site designed by DLA Architecture will be used for food preparation, packing and storage serving Morrisons stores throughout the South West and South Wales.

This prominent building featuring a cladding panelled façade encompasses various sustainable and energy efficient solutions to improve the performance of the building. These include the use of ammonia for refrigeration and the elimination of unnecessary heat losses and artificial lighting.

Project overview

On this particular project the solar turrets work in harmony with our controlled wall units creating a stack effect.

The system allows increased ventilation in summer and at times of high occupancy, and also improves the effectiveness of night-time cooling.

A unique benefit of this particular system is the addition of ammonia sensors that have been built into the controls system. This is a requirement specific to this project; ammonia is used within the refrigeration system as part of the sustainable design. If there is a leakage the sensors detect this and the dampers operate accordingly.



Solar Powered Roof Turrets at Morrisons Bridgwater RDC

Benefits of using GDL Products to the project

- The addition of ammonia sensors that was specific to this project.
- The Solar system allows increased ventilation in summer and at times of high occupancy, and also improves the effectiveness of night-time cooling.

GDL products used on this project
Wall Mounted Units, Wireless Controls System and Solarstore
Penthouse Turrets.