



Project name - Erdington and Oakham Co-Operative Food Stores

Market sector - Retail

Geographic sector – Midlands, Birmingham

### Project details

The award winning Midland Co-operative Society Oakham food store and the Erdington store utilise a range of energy recovery systems to allow for a cost effective, sustainable and comfortable environments to be achieved.

The Oakham store in particular incorporates many environmental features including a solar water heating system, a rain water recovery system, solar shading, natural ventilation, passive cooling and heat recovery from the store refrigerated displays and storage facilities. The store design by EDP Consulting won the CIBSE Building Performance Awards 2011 'Commissioning Project of the Year'.

### Project overview

The Oakham store had to be entirely re-built after an arson attack in July 2008, whilst the Erdington store underwent a major refurbishment. The stores services were specified by EDP Consulting Ltd to be energy efficient using natural and sustainable energy sources to keep in line with the Midland's Co-operative Society's position as an ethical retailer.

GDL Air Systems designed and supplied the natural ventilation solution for both Co-Operative food stores. We also supplied various internal supply and extract ventilation grilles throughout each of the stores. The Natural ventilation solution provided at the Oakham store included our split turret units, the Erdington Store incorporated our Penthouse Turrets used for extract air only.



The Erdington Co-Operative Store

### Benefits of using GDL Products to the project

- Our split turret units to offer a balanced supply of fresh air whilst also having the ability to remove warm stale air.
- GDL's technical team worked closely alongside EDP Consulting Ltd to achieve the desired environmental solutions for both stores.

### GDL products used on this project

Penthouse Louvres were supplied, we also provided the internal supply and extract ventilation grilles throughout the stores including, Ceiling Diffusers, Linear Bar Grilles, Eggcrate Grilles and Jet Nozzle Diffusers.