



Project name – Shirebrook Academy

Market sector - Education

Geographic sector - Mansfield

Project details

In April 2013 the newly developed state of the art Shirebrook Academy in Mansfield, Derbyshire, opened its doors to its students for the first time. The Academy had been designed and built to aesthetically blend with the surrounding environment being both respectful and considerate to the local community.

The design encompasses many environmentally friendly and sustainable methods of reducing the carbon footprint of the school including its own wind turbine. The turbine generates enough electricity to power the school and its suitably located in a windy area. Other sustainable products specified include our Intelivent wind driven natural ventilation products throughout the Academy.

Project overview

GDL worked alongside Derry Building Services to design, supply and install a natural ventilation solution throughout the building to provide the necessary seasonal ventilation requirements whilst maintaining low energy consumption and operational costs. In this instance wireless CO₂ and temperature sensors were specified to control the products to maintain the correct summer and winter ventilation rates.

We supplied and installed our roof cowl turrets at the academy offering combined ventilation and increased weather protection. The Roof Cowls provide either low or high level ventilation in buildings and roof spaces preventing and eliminating the build up of condensation and stale air. Roof Cowls can be manufactured to maximise aesthetic features of roofs by mounting low profile and discreet units hidden from view.



Intelivent Roof Cowl at Shirebrook Academy

Benefits of using GDL Products to the project

- Intelivent penthouse turrets and roof cowls utilise wind power to generate costs savings.
- Our Roof Cowls Provide excellent weather protection ensuring low pressure drops.
- Simple and effective roof cowl design

GDL products used on this project: Intelivent Roof Cowls and Penthouse Turrets, Ventilation Grilles, Wireless Smart Buildings Controllers, Low Leakage Motorized Volume control Dampers.