



Project name The Whitworth

Market sector Education

Geographic sector Manchester

GDL products

Intelivent Natural
Ventilation Turrets
Controls Package
Weather Louvres
Low Leakage Dampers
Ventilation Grilles

Project details

The Whitworth Art Gallery has undergone a £15 million redevelopment project to extend and restore this prestigious 19th century gallery. This vast project has transformed the existing buildings and gardens as well as introducing the development of new exhibition and gallery spaces. The major focus of this project has been the creation of the glass promenade gallery that connects two wings of The Whitworth both old and new.

Project overview

The target for the gallery was to reduce its overall carbon consumption by 10%, it is paramount that any unwanted energy consumption is eliminated to achieve the carbon reduction desired. GDL won the contract to design, manufacture and install a bespoke natural ventilation system for the gallery that significantly reduces its energy consumption. We installed 15 bespoke Penthouse Turrets with an anodised finish for the iconic building in keeping with the architects design requirements. The Turrets included hidden tamper proof fixings and gas struts used as a counter balance to support the roof so that it doesn't lift in the event of extreme weather. One of the bespoke Penthouse Turrets houses a projector for one of the galleries, with a glass screen on one side. The Turret incorporates a hoisting system so that it could be lifted into position as and when necessary, this dual purpose Turret is both functional and environmentally efficient.

Benefits of using GDL Products on the project

- We offer a full turnkey package – Design, Manufacture and Install
- Our system allows a controlled seasonal ventilation rate that is both cost effective and energy efficient.

