

# ECO Business Centre

Clifton Moor, York

North Yorkshire

**SERVICES: MEP ENGINEERING DESIGN**

**CLIENT: CITY OF YORK / HELMSLEY GROUP DEVELOPMENTS**

## PROJECT DESCRIPTION:

Working with the Developer and Main Contractor in a informal partnering arrangement, PrestonBARBER have been involved from initial feasibility through to the detail design of what is believed to be the first eco-friendly enterprise centre to be built in the UK for public sector use by a developer without the aid of Government funding or assistance.

The building provides 64 offices and workshop areas of varying sizes for new start-up businesses in the York area.

Juggling the cost of sustainability and the commercial viability of the building proved challenging however the installed services include a ground source heat pump system providing underfloor heating and cooling to the space along with domestic hot water, a wind turbine, water saving devices & PIR lighting control to communal areas and a rainwater harvesting system.



Architecturally, the building is super insulated and constructed using FSC timber and recycled materials where possible and has a sedum roof.

Completion and occupation of the building was late summer 2008. Since this date, there has been significant interest from a number of Councils who wish to utilise the same concept and design team to construct similar buildings.



## SERVICES PROVIDED:

### Mechanical

- Ground source heating system
- Domestic Water Services
- Supply & Extract Ventilation

### Electrical

- General & Decorative Lighting
- Small Power Installation
- Wind Turbine installation
- Fire Alarms & IT Installation

### Public Health

- Above Ground Soil & Waste
- Above Ground Rainwater
- Rainwater harvesting system
- Below ground drainage

## COMMERCIAL SECTOR OFFICES

TYPE: NEW BUILD

VALUE: £3.1M

### DESIGN TEAM:

Architect -

DSP Architects LLP

Structural Engineer -

Alan Wood & Partners

Project Manager -

Lightly & Lightly Group

Main Contractor -

Lotus Construction

**Preston  
BARBER**

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**LOW CARBONCONSULTANTS**



Competent Person Scheme  
Building CO2 emissions rate calculation - Hevacomp  
Certificate Number ERC3057