

VAB Offices

Barnsley

South Yorkshire

SERVICES: MEP ENGINEERING DESIGN

CLIENT: VOLUNTARY ACTION BARNLSLEY

PROJECT DESCRIPTION:

Working for the Building Services Contractor, PrestonBARBER were involved with the detailed design of the services that were to be based around the principle of eco-friendly services such as the use of biomass boilers for the production of heating and domestic hot water services and low energy lighting installations, the reason for this is the end user, Voluntary Action Barnsley are a client dedicated to reducing their carbon footprint.



The building provides offices, meeting rooms and conference facilities for the voluntary sector within the Barnsley area and has been designed with low carbon usage in mind.

Architecturally, the building is being super insulated and constructed using FSC timber and recycled materials where possible.

The building services designed by PrestonBARBER include a central air conditioning system, a VRF heat pump installation, biomass LPHW heating system and domestic water services and above ground drainage. Electrically the lighting systems included full automatic controls with daylight linkage, small power, data cabling, fire alarms and security.



In order to reduce light pollution high performance fittings were specified for the external lighting systems.

Completion of the building took place in summer 2008 and was awarded BREEAM excellent status.

SERVICES PROVIDED:

Mechanical

- Biomass & LPHW Heating
- Domestic Water Services
- Air Conditioning Services
- Supply & Extract Ventilation

Electrical

- General & Decorative Lighting
- Small Power Installation
- Fire Alarms & IT Installation
- Security Systems

Public Health

- Above Ground Soil & Waste
- Above Ground Rainwater

COMMERCIAL SECTOR OFFICES

TYPE: NEW BUILD

VALUE: £5.0M

DESIGN TEAM:

Architect -

Bond Bryan Architects

Structural Engineer -

SKM LLP

Project Manager -

Stevens Scanlan LLP

Main Contractor -

Lotus Construction



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LOW CARBONCONSULTANTS



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