

Manchester Grammar School New Junior School

Completed September 2008

£1M+ Development

The new MGS Junior School, Beswyke Lodge, opened its doors to pupils for the first time in September 2008. It is an excellent example of a truly sustainable building with an embedded carbon footprint significantly lower than that of a steel, concrete or masonry building. Total carbon reduction compared to a traditionally constructed building over 10 years is 68 Tonnes.

MGS, who appointed S I Sealy to act as Project Managers, Contract Administrators and M&E Designers were keen to ensure that the new school was environmentally sustainable, constructed to a budget and critically, as a new venture, was completed on time.

The new one form entry school comprises five classrooms, together with ancillary teaching areas, the head's office, ICT room and staff rooms.

The building has proved a great success in achieving its aims, to provide a secure and friendly environment, and an energy efficient solution with a sustainable design.

- Maximises Daylight
- Low U Values
- Passive Solar Gain
- Natural Ventilation
- Sustainable Materials
- Daylight Dimming Lighting
- South Facing Classrooms
- Gas fired Condensing boilers
- Heat recovery

RICS Innovation Shortlisted
Green Apple Medal Shortlisted



Low Carbon Consultants

- CIBSE Accredited Low Carbon Consultants
- Part L Compliance, SBEM, EPC, DEC, SAP Certification
- Cat 5 Modelling

BREEAM Consultants

- BREEAM 2009 All Categories

Mechanical Engineering

- Boiler and Power Plants
- Renewable Energy Technologies
- Air Conditioning, refrigeration and cold stores
- Heating and Ventilation
- Hot and Cold Water installations
- Process systems for gases and liquids
- Lifts and Escalators
- Laundry and Kitchen installations
- Medical Gases

Electrical Engineering

- Power generation and distribution
- Interior Lighting Design
- Exterior lighting and floodlighting
- Emergency Lighting
- General power and process systems
- TV, CCTV, Fire alarms, security, public address
- Lightning protection
- Information Technology and Data Systems

Project Management

- Formal Contract Administration
- Feasibility to commissioning
- Full cost control and monitoring

Engineering Asset Management

- Property Appraisals and Condition Surveys
- Property Management and Strategic Planning
- Testing Programmes



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