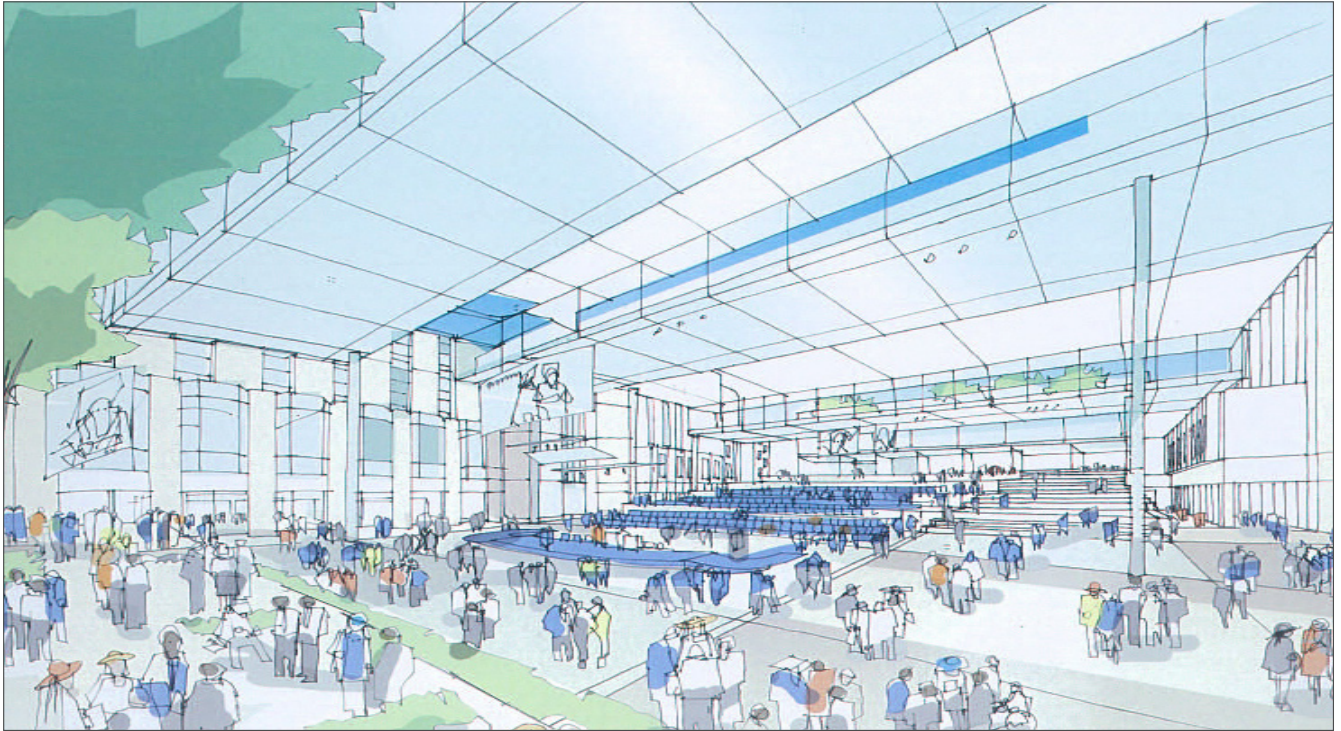


BATTLE McCARTHY®

Consulting Engineers & Landscape Architects



PROJECT:

London Business School

CLIENT:

London Business School

ARCHITECTS:

Sheppard Robson Architects

BM SERVICES:

Sustainability Consultants and MEP Engineers

VALUE:

£30m

AREA:

12,000m²

DATE OF COMPLETION:

2006 - 2009

DESIGN BRIEF

Battle McCarthy were commissioned by London Business School to carry out the design of the building services for the major campus development, teaching and office facilities.

Sustainability is a key driver for the building design and the engineering services are being developed with reference to the following general design principles:

- Provision of high-quality thermal environments throughout the building

London UK Office

T: +44 (0)20 7440 8282

F: +44 (0)20 7440 8292

E: admin@battlemccarthy.com

www.battlemccarthy.com

- System designs offering practicable minimisation of energy consumption
- System design approach contributing to achievement of BREEM 'Excellent'.
- Flexibility and adaptability of servicing on departmental/administration floors

DESIGN INITIATIVES/ACTIONS UNDERTAKEN

The outline design approach follows the broad principles set out in the competition scheme, namely:

- Use of natural ventilation where possible
- Efficient mechanical ventilation systems
- Low-energy lighting with daylight/occupancy control
- Exploitation of building thermal mass to dampen peak cooling loads
- Incorporation of solar water heating
- Integration of 'green' roof with rainwater harvesting
- Use of groundwater for cooling and non-potable water storage (subject to viability analysis)
- Design for 'free cooling' and heat recovery

