CHARLTON ACADEMY, TELFORD

KEY FACTS

CLIENT
SHEPHERD ENGINEERING SERVICES

YEAR COMPLETED
2015

ARCHITECT
FAULKNERBROWNS

CONSTRUCTION COST
£15M

FLOORPLATE SIZE
110000 SQ FT

PROJECT DESCRIPTION

Charlton Academy principally accommodates a new build secondary school, with a data centre servicing the local education network positioned within the academy. BWB undertook concept through to detailed design of the mechanical and electrical engineering services, fully co-ordinated using Revit software in a BIM environment.

The building engineering systems are arranged to suit this joint facility in the most energy and cost conscious manner whilst providing a suitable level of autonomy between the different functions.

SERVICES PROVIDED

Building Information Modelling (BIM)
Building Physics and Facade Engineering
Electrical Engineering
Carbon Management, Energy and Sustainability
Lighting Design
Mechanical Engineering
Thermal Modelling
Utilities
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KEY CHALLENGES & SOLUTIONS

Tight ceiling void space made the co-ordination of services challenging. The use of Revit software assisted the 3D co-ordination and enabled early resolution of service distribution routes.

KEY CONTACTS

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