

## Case study

# Engineering, Manufacturing & Technology Centre

Boston College EMAT (Engineering, Manufacturing & Technology) Centre is a two-storey new college building providing accommodation for advanced technical skills training in manufacturing, engineering, and technology.

Alan Wood & Partners (AWP) provided a Flood Risk Assessment and Drainage Impact Assessment for planning, together with full Civil & Structural Engineering services. In addition, AWP worked closely with the Lead Appointed Party (LOA) who on this project was the Architect, CPMG, as an appointed party (AP) under BS EN ISO 19650 governing Building Information Modelling (BIM).

The building itself comprised of a 'hub' on the ground floor, leading into two engineering workshops (one clean, one dirty), a storage space, an electronics laboratory, changing rooms, and a reception/staff office. The upper floor will feature a CAD/CAM suite, a large classroom, two general classrooms, another staff office/workroom and a 'break-out space'.

The project was delivered successfully by using our Revit 3-D drawing authoring package, working wholly in a BIM Level 2 environment. This allowed clash detection and minimised any potential for conflicts on site.



Location:  
Boston



Client:  
Boston College



Architect:  
CPMG



Value:  
£3.5m



Civil Engineering    Structural Engineering

Engineer /  
Manage /  
Deliver /