Case Study: Barbara Hepworth Building

| Location: University of Huddersfield |
| Client: Morgan Sindall |
| Value: £4.3 million |

- Highly complex structure, designed using advanced technologies, construction and design principles
- Achieved BREEAM 'Excellent'
- Collaborative approach between the client and end user ensured all objectives were met
Overview

The £30million Barbara Hepworth building, managed by Morgan Sindall, is a five-storey facility incorporating some 7,500 square foot of floorspace, set alongside the Huddersfield Narrow Canal at Queen Street South.

Named after the renowned West Yorkshire born sculptor, this impressive and striking structure has been delivered using a range of innovative technologies and construction processes.

“\textit{The Barbara Hepworth building is a very complex building, designed to employ incredibly advanced technologies, construction and design principles. The use of BIM was important at every stage of the project and enhanced the working process across the supply chain team. Once again we met all of our objectives in terms of delivery, costs and timing, achieving a successful outcome for the client and end user.}”

Jonathan Twentyman, Managing Director of Genlec

M&E Works

Genlec has completed a complex M&E installation at the Barbara Hepworth Building, the University of Huddersfield’s new, state-of-the-art, School of Art, Design and Architecture. Utilising both Revit and BIM throughout the design process enabled the works to be fully co-ordinated and clash detected against sub and super structure as well as other key trades.

Energy efficient LED lighting has been installed throughout the facility along with an extensive mixed mode ‘Breathing Buildings’ ventilation system, incorporating highly effective and efficient automated controls.

Steam generation and compressed air plants where also installed, marking an important addition for students as part of their fashion and textiles practical learning.

Extensive requirements for IT and AV infrastructure included the provision of a motion capture rig which saw the project team engage with a specialist AV/IT subcontractor. Close communication and a collaborative approach between Genlec and the University’s own in-house IT department was critical throughout.

All works where designed, installed, tested and commissioned with the aim of achieving an excellent BREAM rating.