

CASE STUDY UNIVERSITY TECHNICAL COLLEGE 2, SHEFFIELD



HEADLINES

DESIGNED

the scheme in conjunction with client requirements from the college to ensure the best working environment was created

BIM

led M&E scheme coordinated with the main contractor's BIM work

14m

high atrium saw us use specialist lightweight ductwork

2 WEEK

time saving by G&H Fabrication building the plant room skid off-site

DEADLINE

met to ensure the college was operational for the new academic year



KEY FACTS

Project title: University Technical College 2
Location: Sheffield
Services: Mechanical and Electrical design and build
Value: £2.5 million

Client: The Sheffield College and Sheffield Hallam University
Contractor: Bam Construction
Duration: 22 weeks
G&H divisions: Building Services & Fabrication

CASE STUDY HOW WE DID IT



This project – built on the Olympic Legacy Park in Don Valley – perfectly demonstrates the benefits of working in a co-ordinated manner with all partners to achieve an exemplar scheme.



Upon appointment, we talked in detail with the college about the lighting, heating, mechanical ventilation, data infrastructure and power needed in the facility that is being used to teach Human Sciences and Computing to 600 pupils.



Having liaised with the college and learned how and when the facilities would be used and what its priorities were from both a functional and aesthetic perspective, we created designs to provide the best environment for pupils, teachers, staff and visitors.

Working to a tight deadline to make sure the college opened on time for the new academic year in September, we were proactive and dynamic by fabricating key components off-site to save time. Having worked with BAM Construction on several other high profile schemes, we once again seamlessly integrated our mechanical and electrical design work into their BIM model to incorporate with the entire design team.

G&H Fabrication also played an intrinsic role in ensuring we met the deadline. By building and testing the plant room skid and plate exchanger off-site (and then delivering and installing it at the exact moment it was required), we reduced the programme by two weeks. All the services we installed were made visible to create an industrial feel and to also operate as a teaching aid, allowing the college to educate pupils on the how it powers the building.

A prime example of surface mounting services can be seen in the main atrium, which is 14-metres high. To help reduce the challenges presented with working at such height, we used lightweight, non-metal Spiralite insulated ductwork and its visibility - like the rest of the M&E work on display - adds a significant element to the aesthetics, creating a strikingly modern educational facility that will inspire pupils and teachers alike for years to come.

CLIENT REACTION

I would like to place on record my thanks to G&H for the seamless delivery of the UTC2.

The way the project was managed by G&H was hands on and their proactive, 'can do' attitude was a pleasure. And to achieve project completion, with only a handful of snags, all closed out within 48 hours, is unheard of and shows what a robust, quality job they produced first time of asking.

I look forward to working with them again.

Steve White, Project Manager – North East, Bam Construction

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