

New £400m university campus benefits from Polypipe water management

Polypipe Building Services has supplied a complete water management solution to one of the largest construction projects ever commissioned by a UK university.

Polypipe supplies drainage across world class university facility



The seven-year development, which will have a huge overall floor space the size of 11 football pitches, will house almost 7,000 university students and more than 1,200 staff.

For the project Polypipe designed a system using large diameter Terrain FUZE installed in the building basement. This high performance HDPE system is installed via fusion-welded joints for maximum integrity and as it is light in weight, can be installed quickly and efficiently once delivered to site.

The University of Manchester's colossal £400 million Manchester Engineering Campus Development (MECD) is using Polypipe Building Services large diameter Terrain FUZE soil and waste pipes to manage water across the eight-storey, 78,000 square metre building. Built environment consultant Arup requested Polypipe Building Services to provide a drainage management system which was installed by mechanical contractor NG Bailey.

To maximise installation efficiencies, Polypipe Building Services also provided continuous support during the design stage and training to contractors on-site.

MECD has been designed to create "world-class facilities for innovation in technology and working practices, and encourage collaboration between researchers, schools and industry".

CASE STUDY

Project
MECD

Client
Arup

Application
Soil and waste water management and drainage

Product
Terrain FUZE

Furthermore, technical designers are able to work with the Polypipe team throughout the manufacturing process to specify systems that meet exact on-site requirements.

Terrain solvent-weld soil and waste pipes were specified throughout the MECD building, as it is one of most extensive ranges of solvent and push-fit soil and waste systems, and is fully adaptable with the Terrain FUZE drainage system.

**Jonathan Greenwood,
Technical Sales Manager,
Polypipe Building
Services:**

"In order to remove the rainwater, we worked with the design proposal and configured the FUZE trap in the basement with the expansion of pipe in horizontal runs, which included bracketry and jointing methods. We were able to offer a range of fittings and materials that were sympathetic to the aesthetics of the building, while ensuring contractors on-site were fully prepared to install the solution when they were delivered to the development. We pride ourselves on supplying systems that provide not only multi-functional benefits to the end user, but also financial and manpower efficiencies to our customers during projects."

"Having previously worked with Polypipe Building Services on a number of other projects, we were already familiar with the company's dedication to quality and efficiency and its expertise.

Being such a high-profile development, we knew Polypipe was the ideal drainage provider for a project of this scale. We were naturally thrilled with the solution Polypipe supplied. It surpassed all expectations. We look forward to continuing our great relationship with Polypipe Building Services in the coming years."

**Don Mercer, Mechanical Senior Project Manager,
NG Bailey.**

