



An innovative solution to complete a large urgent pipework project

Easton CE Academy in Bristol was a new customer to UES. We won the work as part of a tender submitted with consultants who we have worked with many times before. We were appointed mechanical contractor and were required to refit the heating mains, and hot and cold water services throughout the building.



The Challenge

Easton CE Academy had previously suffered a leak in their distribution pipework which resulted in approx £250,000 worth of damage and repairs. As part of the response they planned a major refit over the summer of 2019. Under normal circumstances the pipe works we were installing would take 16 weeks. But there were a number of constraints which we had to work within. These included working to a six-week turnaround time (while the children were on school holidays), a busy site with other contractors simultaneously working on other projects, and a "No hot works" policy on site.



The Solution

Not being able to increase our labour force due to the already busy site, and needing to avoid hot works, we recommended an innovative modular heat free joining system called Aquatechnik. This would allow us to complete in excess of 1,500 metres of pipework and hundreds of fittings - ranging from 16mm to 63mm - all within the tight deadline, and without any soldering or welding. The flexibility of the system meant that we could easily accommodate changes to the scope which were requested, such as extra radiators and outlets. During the works, not a single leak occurred.



The Impact

All works were completed within the tight six-week time window, meaning there was no disruption to the school children. **The system comes with a 25-year warranty giving the school peace of mind** that they have a long-term solution. In addition, because of the modular fitting system, alterations can be easily done at a later date, say if the school want additional radiators or outlets. Having suffered leaks with significant financial consequences in the past, the school now has confidence that their new pipework gets an A+.

"I just wanted to thank you for all the work at Easton this summer. The team have been excellent in delivering a huge project in a very short space of time. Both myself and the client have been very impressed with the operatives on site, and in particular the management of the works. Please pass on thanks to all involved, from myself and the school."

Tom Bishop, Surveyor