Coleg Menai Campus

Location:
Anglesey, Wales

Project Value:
£13.5 million

Main Contractor:
Capita

M & E Consultant:
A J Field

Sector:
Education

Services Used:
Mechanical & Plumbing

A new state of the art engineering centre at Coleg Menai's Llangefni campus has been constructed. The totally new facility will help train the next generation of mechanical engineers. The £13.5m Centre for Engineering Excellence, due to open in spring 2019, will be home to around 120 students on technical and vocational courses and feature classrooms and workshops equipped with the latest engineering technology.

The Centre for Engineering Excellence, alongside the specialised Energy and Construction Centres already located on the Llangefni campus will train the next generation of skilled professionals. There is also a particular focus on training those needed to complete the nearby Wylfa Newydd development – a new nuclear power station to replace the original Wylfa facility that was closed in 2015.

Viega's Profipress connections for copper pipe were used across the centre's domestic hot and cold water (DHCW) and drinking water systems. Specialist M&E contractor AJ Field selected the Viega system in consultation with Capita who provided M&E consultancy on the project and merchant SBS Merseyside located on Turbine Road in Birkenhead.

In addition to the copper pipework, thick-walled steel tube was specified to provide enhanced durability for the new building's heating system. Viega's Megapress system allows press connections to be used on thick-walled steel and provides between a 60% and 80% time saving compared with alternatives such as welding, grooving or threading tube.

Furthermore, the construction of the Centre for Engineering Excellence is intended to serve as an illustration of modern construction techniques and engineering technology. As such, sections of the pipework will be left exposed to provide an installed example of the systems that students will be trained to use.