

Description

- ◆ Plymouth Studio School is a new project built by contractor Kier, on the University of St Mark & St Johns campus with EFA funding and build requirements
- ◆ This £3.7m project of 1900m² will accommodate 100 students at its opening in September 2015 expanding to 300, 14 and 19 year-olds, in the coming years
- ◆ Learning will be related to employment opportunities in sport, leisure and tourism and hospitality and event management.

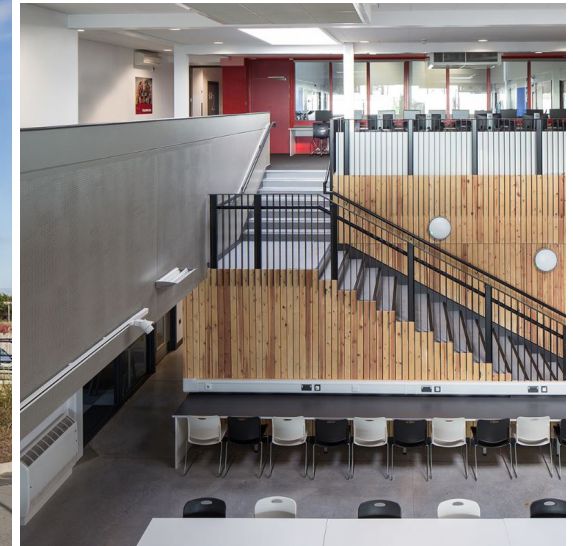


Benefits Delivered

- ◆ Close dialogue with the client, throughout the project, to understand their business and value drivers and site requirements.
- ◆ Assisted in establishing the client brief to achieve their sustainability and accessibility aspirations
- ◆ Primary services distribution run in Revit MEP to co-ordinate services within the structure eliminating construction coordination risks
- ◆ Supported client engagement meetings to gain a full understanding of proposed mechanical and electrical systems.

Involvement

- ◆ SDS carried out the detailed design of the mechanical and electrical services for this EFA development from initial feasibility through preparation of performance brief to final delivery of the design
- ◆ Site surveys were undertaken to identify necessary disconnections and services rerouting
- ◆ Initial energy modelling for compliance verification and thermal modelling for overheating analysis
- ◆ Daylight modelling was carried out to EFA standards to provide strategic guidance on the building form, fabric and orientation
- ◆ The requirements of school FFE were identified in the delivery of the final design
- ◆ Scope of the mechanical and electrical systems for the detailed design of the heating, ventilation, lighting, emergency lighting, power, IT provision, BMS, security and CCTV
- ◆ Active participants in design team meetings and sustainability, accessibility, BREEAM, value and risk workshops
- ◆ Prepared detailed tender documents to clearly communicate solutions to the contractor.



A new studio school offering academic excellence focusing on employment in the sport, leisure, tourism, hospitality and event management