

Description

- ◆ This Devon based sports centre is home to many different sports clubs and local groups offering a range of sports
- ◆ The new sports stadium was developed to serve the local community and Plymouth Albion Rugby Club
- ◆ Versatile sports hall, group exercise studio, youth gym and main gym inside whilst outside there is an athletics track and field, grass football pitches and two all-weather pitches
- ◆ A separate standalone sports changing block was designed to serve the practice pitches. The changing block incorporated high security grilles and vandal resistant fittings throughout
- ◆ 2,200m² 4 court sports hub with 140m² dance hall, viewing area, offices, wet and dry changing facilities, along with reception, staff room, first aid, storage, and seating area.



Involvement

- ◆ Detailed design of the Mechanical and Electrical Services for the new BREEAM compliant sports facility
- ◆ Detailed design of air conditioning for gymnasium and dance studio, ventilation to public areas and changing rooms. Heating comprising of under floor heating system served from condensing boilers
- ◆ Indirect calorifiers served from gas boilers were provided to serve domestic services. Detailed design of all electrical services including power, lighting
- ◆ The main sports hall was heated from underfloor coils and high level extract fans were provided for comfort control
- ◆ A new sports changing facility was designed in a separate block. This comprised of gas fired boilers serving underfloor heating and calorifiers providing hot water to showers. Extract ventilation was designed with trickle boost ventilation operated from PIR detectors. Services were designed to be simple and robust.

Benefits Delivered

- ◆ Collaborative approach resulting in an integrated MEP design with the building Architecture and Structure court markings, structural grid, floor fittings, sports rigging, and division nets
- ◆ SBEM calculations and EPC certification to prove Part L Building Regulations compliance.



Extensive facilities for sport, with professional, amateur and community teams taking part