



Description

- ◆ The aim of this £1m, four-stage project was to improve and expand Exeter University's existing science teaching space, whilst also creating new build teaching and study spaces. The primary aim of the project for the university was to support self-directed learning through experimentation and cross-disciplinary interaction
- ◆ Key to the project was the formation of an 80-space, 24/7 collaborative computer visualisation and simulation modelling lab and eight student groupwork, self-led learning rooms. Also included were refurbishments of a basement circulation area, ground floor corridor and upper floor offices for senior staff

Involvement

- ◆ Full mechanical and electrical design consultancy, from feasibility and budget calculation to detailed design
- ◆ Site meetings and inspection duties during the construction phase
- ◆ Survey of existing services to avoid disruption by unforeseen services
Develop the mechanical and electrical performance specification and concept design drawings
- ◆ Collaboration and co-ordination between SDS and the prefabricated building manufacturer ensured mechanical and electrical services were integrated fully
- ◆ Several audio-visual systems such as collaboration screens, computers, projectors and sound system were integrated into the design

Benefits Delivered

- ◆ Improved lighting environment for staff and visitors leading to increased visitor numbers, and improved staff wellbeing
- ◆ Automatic lighting dimming controls to maximise benefits of natural daylight and reduce energy use
- ◆ Guidance on options to deliver the building energy strategy
- ◆ Energy efficient ventilation used in modular building with automatic controls to avoid overheating and additional cooling
- ◆ Design of ICT infrastructure to facilitate integrated web based online learning, multimedia interactive teaching and learning with video, audio and communication support and media displays

£1m project expanding and upgrading Exeter University's teaching space