



school of languages heriot-watt university

CLIENT: Heriot Watt University, Edinburgh
ARCHITECT: Hypostyle Architects (formerly Merrylees & Robertson)
M&E Value: £0.65m
SECTORS: Higher Education

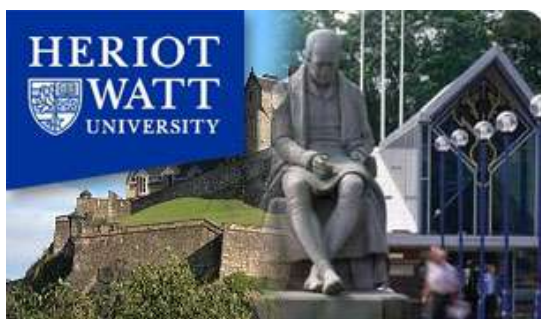
A new building was constructed to house the Universities School of Languages which specialised in simultaneous translation. In addition to traditional classrooms, offices and staff facilities, the school also houses three large simultaneous translation rooms with translation booths and central conference table facilities and a television recording studio. A particular challenge in this project was to achieve the very onerous acoustic criteria set by the School for these special facilities.



cray supercomputer installation university of edinburgh

CLIENT: The University of Edinburgh
ARCHITECT: Not Applicable
M&E Value: £0.35m
SECTORS: Higher Education

On two occasions the University has been successful in winning the contract to house Cray Supercomputers with massive parallel processing capability as part of a pan European computing project to model dynamic phenomenon like complex traffic flows and the behaviour of atoms and molecules. These exceptionally powerful machines had very exacting servicing requirements to ensure reliability of operation. Even momentary failures in supplies of power, cooling and the like could cause serious disruption to the operation of the computer or even physical damage to the machines which are worth tens of millions of pounds. Irons Foulner were responsible for the design of the electrical and mechanical infrastructure to support the operation of the computers. Special backup systems were designed to ensure that the computers could operate 24/7.



new medical centre & offices heriot-watt university

CLIENT: Heriot-Watt University
ARCHITECT: Campbell & Arnott
M&E Value: £0.35m
SECTORS: Higher Education

Heriot-Watt required a new, larger medical centre to cope with the expanding student population at Riccarton Campus. A new building was constructed for the facility which contains consulting rooms, treatment rooms and a dental practice with all of the associated office and other support facilities.



department of business organisation heriot-watt university

CLIENT: Heriot Watt University, Edinburgh
ARCHITECT: Hypostyle Architects (formerly Merrylees & Robertson)
M&E Value: £0.4m
SECTORS: Higher Education

A new building was constructed to house the department of business organisation. The building, as a number of others on the Campus, followed Andrew Merrylees' vision for an 'organic' growth of the campus buildings with wings branching from a central trunk, providing relatively narrow plan blocks that created the opportunity for good daylight and natural ventilation to the lecture rooms and offices. Irons Foulner were able to design a well insulated low energy building around these principles, with high efficiency lighting and minimal use of cooling or mechanical ventilation.



central communications facility university of dundee

CLIENT: The University of Dundee
ARCHITECT: Wellwood Leslie
M&E Value: £0.35m
SECTORS: Higher Education

The University is carrying out a campus wide upgrade of the telecommunications and datacoms systems. Part of this upgrade involved establishing a new central communications hub to house the servers, telecoms switches and routers for the entire University. The critical nature of the facility required very high reliability from the services systems supporting the equipment. Irons Foulner designed air conditioning systems and electrical support systems with duplicate plant and equipment to provide uninterruptible standby facilities for the hub together with high security access control and fire detection and suppression installations.



department of optoelectrics & lasers heriot-watt university

CLIENT: Heriot-Watt University
ARCHITECT: Not Applicable
M&E Value: £0.30m
SECTORS: Higher Education

Attached to the Department of Physics, this new building was constructed to allow the expansion of their specialist area of optoelectronics – a field in which the University has an international reputation. The laboratories housed a variety of lasers and equipment for research into the optical properties of semi-conductors at temperatures down to –200 oC.