

## Case Study: Education

Internet Videocommunications has forged a long-standing partnership with one of the world's largest universities. With more than 250,000 students enrolled, over 600 courses on offer and 3,500 academic, research, administrative, operational and support staff, the University has built an international reputation for student satisfaction and for its innovative teaching methods.

### Challenge

- To design, install and support ground-breaking audio-visual and videoconferencing facilities that would set a new standard in collaborative working across its main campus, the regional centres and its international development office.
- To establish a dedicated in-house video and audio bridging service to enable the University to become self-sufficient and address the accelerated demand for mixed network, multi-party conferencing.
- To address the highly bespoke audio-visual needs of several Faculties including a unique suite of highly flexible Research & Technology Labs. These needed to accommodate a vast range of experiments (such as testing a website's user-interface, gaming technologies, navigation services, wireless devices) and to enable researchers to monitor and record how the individual or group respond to particular content or stimuli.

### Solution

- Over 150 new areas equipped, including multi-media lecture theatres, presentation suites, seminar rooms and labs. As most facilities were accessible to all, many rooms were given a control panel for a more intuitive user experience.
- The industry-leading, highly secure and high-capacity on-premise multipoint conferencing solution had an immediate impact. Previously having to arrange video conferences days in advance, the University was now able to set up HD face-to-face meetings in minutes. Multiple screen lay-out options allowed each session to be set up to suit the required teaching and learning experience.
- Research Faculties and labs were typically equipped with multiple cameras, microphones and a PC, allowing the capture of multiple, time-stamped video and audio feeds, brought back to a single point either for viewing, or archiving ready for future playback or content editing. The design catered for two distinct ways of operation, firstly via a technician in a control room and secondly, via a simple touch-panel within the lab itself.



### Results

The University prides itself on the variety of methods used for teaching and the diversity of teaching tools and stimuli in delivering content. Internet Videocommunications has deployed world-class facilities, each with an array of features, from simple content presentation capability and HD videoconferencing through to content creation, recording, editing and streaming. In some areas, most notably in the research labs, the simplicity of the user interface belies the thousands of lines of programming code beneath. In such examples, where systems are visible across the network, staff can see online when recordings are scheduled and which labs are in use.

Should a researcher want to monitor an experiment live, they can do so from the control room and recordings can be edited and exported to local drives or onto removable media for publishing to third parties quickly and easily. And with high quality, easily accessible videoconferencing infrastructure in place, within a very short time line, the University has moved from holding just one or two conferences per week to conducting more than ten per day. The end result has greatly improved the output from each Faculty, optimised the University's room resources and enabled both staff and students to collaborate in a manner never achieved before.