



Case Study : GKT Dental Institute

Devise and install a training facility that would help to create one of Europe's most advanced clinical skills laboratories

Client:

GKT Dental Institute

Location:

King's College and St Thomas' Dental Institute, Guy's Hospital, London

Project:

Devise and install a training facility that would help to create one of Europe's most advanced clinical skills laboratories



Background:

Scotia UK had successfully designed and installed dental training facilities in a number of UK universities. Our client wanted to build on these successes to create a state-of-the-art, user-friendly facility that would attract dental students from all over Europe.

Solution:

The facility devised by Scotia UK consists of no fewer than 62 hi-tech simulators, each of which is connected to a dual tutor control unit in the centre of the room. Ceiling mounted cameras and an operating microscope above the console allow the tutor to transmit live pictures of a patient 'operation' as it is being conducted. Each simulator is equipped with a 15" high definition monitor that allows the student to see exactly what is going on - in graphic detail. Crucially, each student can put into practice what he or she is learning using their simulator's own mannequin head. The real beauty of this system is that it can be installed into existing university or hospital buildings, making it a highly cost-effective and highly impactful system to commission.

Equipment:

- Crestron control systems
- Cat5 signal distribution system
- Canon ceiling mounted cameras
- Digidoc wireless camera
- Allen & Heath IDR digital processor

"We wanted to create a dental training environment which was the best in Europe and when Scotia provided exactly that we were delighted. The integration of their systems with the A-dec phantom heads has allowed us to substantially improve the quality of the learning process..."

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