

smots™

Scotia Medical Observation and Training System



case study
Essex Cardiothoracic Centre



Location

Basildon University Hospital, Nether Mayne, Basildon

Organisation

Basildon Hospital NHS Trust

Project

To put observation systems into Theatre 4 and the new Cath Laboratory.

Background:

Basildon Hospital NHS Trust

This new centre needed state of the art observation systems for training and peer review. Scotia was consulted and instructed to provide the smots™ solution.

Design Considerations:

Basildon Hospital NHS Trust

The system had to be easy to use, discrete and able to be locked out when required, and flexible enough to allow viewing of the output quarter of a mile away in the postgraduate education centre.



“smots™ has been a real success for us here. To be able to watch open heart surgery from anywhere on the campus with only a network connection has widened our horizons considerably.”

Essex Cardiothoracic Centre



Scotia Solution:



Basildon Hospital NHS Trust

Scotia installed two smots™ units into Theatre 4. One wall mounted camera with speaker and microphone gives an overview of theatre activity, while a second smots™ unit connects directly to the output of the Stryker theatre AV system meaning that the light camera output can be viewed anywhere over the campus.

If the surgeon chooses a different source, then this too can be shown to the remote sites. The Cath Lab has similar functionality. The hospital has subsequently ordered more mobile units to give them even greater flexibility.



Result:



Basildon Hospital NHS Trust

This centre has created considerable interest in the monitoring of live operating procedures from afar. No longer is it necessary to install expensive videoconferencing solutions which are limited in their functionality and expensive if used over isdn.

We can using smots, offer the local and wide area network users the ability to watch and control cameras as is desirable, and in the case of other countries, it is possible even to allow viewing over the internet, with appropriate security measures in place. From the surgeon's point of view, smots is there, but it does not get in the way or distract from the procedure in hand.

