

# smots™

Scotia Medical Observation and Training System



## case study

Barts and The London Mobile Simulation Unit





### Location

ITU - The Royal London Hospital, Whitechapel, London, E1

### Organisation

Barts and The London NHS, Trust

### Project

Supply of two wireless smots™ systems



### Background:



#### Barts and The London Mobile Simulation Unit

Tim Stephens had used smots™ at the Barts Simulation Centre in Prescott Street, London and was very familiar with its capabilities. He needed a mobile solution to allow him to take simulation training scenarios "onto the ward".



"smots™ has been a fantastic solution for us and Scotia have always been on hand whenever we have had questions, usually with immediate answers. The quality of output is excellent and more than sufficient for our needs and the mobility of the product has expanded our horizons, quite literally. We would always be happy to recommend smots™ to other simulation sites."

**Tim Stephens**  
Barts and The London Mobile  
Simulation Unit



### Design Considerations:



#### Barts and The London Mobile Simulation Unit

Tim Stephens needed two identical systems which could be transported between sites and could give the full functionality of a simulation scenario in the hospital critical care unit. This would give the added reality of putting the candidates in a real hospital environment with all the pressures that accompany that situation.



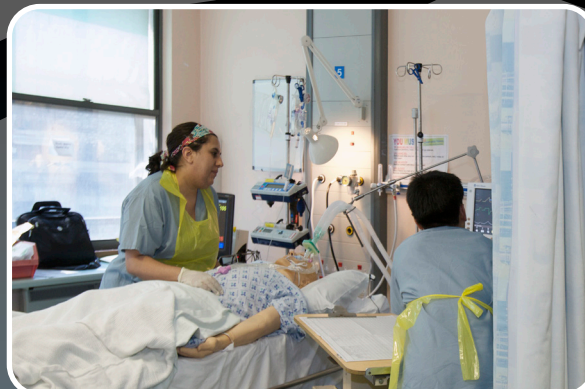


## Solution:



### Barts and The London Mobile Simulation Unit

The company supplied two smotsMobiletrolleys each with microphone, camera, loudspeaker, video recording, and vital signs recording. These connected over a wireless network connection to Tim's laptop computer. The units are compact enough to be located easily in a busy ward and with height adjustment can always offer the best camera angles. Audio pickup is directional meaning that the area of interest around the bedside is recorded while most other extraneous noise is not. The system can be wired or wireless depending on the location.



## Result:



### Barts and The London Mobile Simulation Unit

This system is used "live" with other participants watching from the "debrief" room and then the recordings are played back when the scenario is complete for further analysis.

The robust mobile trolleys have all the features of our main installed smots™ systems. Instead of taking busy healthcare professionals away from their working areas, the full simulation experience can be brought to them with all the challenges that surround real patients and real hospital wards.

