



HEALTHCARE

case study



PROJECT Various new build and refurbishment projects

CLIENT Royal Brompton and Harefield Trust

VALUE £4M

CONSULTANT Floyd Slaski Partnership

Lakehouse has completed a number of refurbishment and new build projects for the Royal Brompton and Harefield Trust (RBHT). Our work continues at Harefield Hospital where there is large investment in the re-development of many of the facilities.

Lakehouse has already completed projects which have included:

- Build of shell for recovery area
- Re-fit of recovery area, including ten additional rooms such as the isolation room, staff area, clean and dirty utility rooms
- Fit out of LV switch room /new generator room
- New build bulk storage tank
- New build on-call room
- Refurbishment and conversion of staff room to store room
- Creation of a temporary storage area
- Strip out of existing plant room
- Demolition and re build of decontamination room
- Demolition and re build of endoscopy room
- New build medical gases room



The oldest buildings at Harefield Hospital date from 1938 when the hospital opened. Over a four year period more than £10million has been spent to upgrade the hospital.

In August 2009 Lakehouse completed the £2.2million fit out of the new high spec. **Recovery Area**, a showcase for Lakehouse's work in the health sector.



The most complex part of this project was the installation of seven Draeger units, which required the precise positioning and fixing of steel supports in the ceilings.

By getting devices and media supplies off the floor the ceiling supply units support improved patient access and enable devices to be positioned directly where they are required. Users also don't have to worry about tripping over lines or causing unintended disconnections so there are massive health and safety benefits too.

One of the challenges faced by the site team was the large volume of ducting and services to be installed in the confined ceiling space. A high level of co-ordination was required and the team had to ensure the ceiling was 100% airtight upon completion.

Combating Healthcare Associated Infections (HAI) is regarded as one of the most important performance requirements in the health sector and the team were involved in a number of anti-bacterial tests to adhere with the hospital's strict policies on hygiene and infection control.

Mark Lynn, Senior Project Manager for RBHT, was delighted with the results and has commented that *"The quality of*

workmanship is to a very high standard and one of the best finished products that I have ever seen."

The work undertaken to demolish and construct the new **Decontamination Room** and **Endoscopy Room** was difficult, largely as a result of health and safety considerations.

Both existing buildings were located in a totally enclosed courtyard of less than 20m x 30m in size. This was separated from a car park, the most appropriate means of access, by a glass corridor used by hospital staff and the general public on a daily basis.

Scaffolding had to be erected over the glass corridor to enable rubble from the demolition to be removed from the area and materials for the new build to be carried into the courtyard.

Lakehouse has since commenced work on a 16 week project that will involve the demolition and rebuild of the **Thoracic Theatre Suites** to provide a much improved alternative layout.

The quality of workmanship is to a very high standard and one of the best finished products that I have ever seen.

Mark Lynn, Senior Project Manager for RBHT