

## RSSC unit, Papworth Hospital



As a specialist respiratory and sleep study centre (RSSC) Papworth Hospital required an extension to their facilities. The site was located in an awkward area within the centre of the hospital's grounds.

Construction work comprised of diverting many services, piled foundations, a steel frame, a single ply roof and composite cladding panels externally. The project consisted of two 4 bed wards and two 2 bed wards located around a nurse's station. Service areas, outpatients and consulting rooms made up the remainder of the ground floor. The first floor was allocated solely for the extensive administration required in a modern hospital. Internal partitions were constructed from metal studwork, with considerable quantities of stainless steel wall protection and hygienic wall coverings.

The confined nature of the site posed problems in installing the drainage. The floor level was 2.0m lower than the adjacent nursery and many of the drains were in excess of 3.0m deep. In order to mitigate this, 200m of directionally drilled storm drains were laid to falls avoiding the major works involved in laying drains 3.0-4.0m deep beneath existing services.

In conjunction with the new build, works were carried out to install a new back up generator to serve the hospital's essential supply. Careful coordination was required to install and commission the containerised plant, fuel tanks and control gear without disruption to the hospital.

### Client

Papworth NHS Trust

### Architect

Frank Shaw Associates

### Structural Engineers

Richard Herman Associates

### Mechanical and Electrical Consultant

IBS

### Contract Details

JCT IFC 98 with quants,

Value: £3.5m Period: 50 weeks in 3 phases

### Constructed

2007