

NHS Trust

## New External Data Centre

**Client Brief:**

To provide the Trust with a new External Data Centre to host the critical services following a reorganisation of its I.T. infrastructure.

**Timescale:**

Due to tight timescales and the integration of new services it was critical that this project was completed on programme, with an 11 week schedule timeslot (including the External Shell construction). Secure I.T. Environments Limited's experienced service management delivery team – working in conjunction with a client representative – planned each stage in detail prior to its implementation, to ensure the efficient completion of this project.

**Logistical Challenges:**

Secure I.T. Environments were appointed to design, build and coordinate a cost effective solution to accommodate the I.T. equipment from the existing facility and provide a total solutions package for the integration of all services to the new Data Centre. This was particularly challenging with the location of the site, involving strategically planned deliveries to arrive on the Island to meet these timescales. Design criteria to include N+1 UPS, with designated Generator backup, N+1 Denco Air Conditioning Systems, dual power feeds fed via diverse routes following the provision of a new 400 amp power supply installation.

Upon the arrival of the Modular Room panels the external shell construction took place, this was completed within two weeks, followed by the installation of an anti-static raised access floor, major M&E Plant deliveries and installation. This was followed by the LV Switchboard panels providing connectivity into the new power supply, culminating with the Fire Suppression System and a 20 Cabinet installation, Environmental Monitoring, Access Control and CCTV facilities.

The successful completion of this project, followed with Secure I.T. Environments being invited to present a major award at the Annual NHS Awards Ceremony 2009 – Celebrating Excellence and Innovation in Healthcare.

**Phase 1 Room Size:**

13.9m x 10.50m - 146m<sup>2</sup>

