RFH LINAC 2

Healthcare / Refurbishment

Key Features:

- Refurbishment of the existing LINAC 2 suite
- Robust collaboration with specialist suppliers
- 'Live' Hospital with sensitive adjacent areas

We undertook the refurbishment and upgrade of the LINAC2 suite at the Royal Free to provide a new, modern environment which facilitated the installation of a new linear accelerator by the specialist Varian.

Work included a full strip-out and refit of the main Linac space and accompanying areas, as well as an upgrade of the existing infrastructure services to support the new M&E design.

The existing lead protection regime in the area as a whole was reviewed and supplemented as required to meet current criteria. We also installed new air handling and air conditioning systems to manage airflow and cooling.

The challenge

A key element to the success of the project was the early engagement with Varian. This was essential, to determine; their precise requirements, programme, installation process and then the final testing and commissioning of the linear accelerator.

Moreover, the coordination of the M&E elements being installed by ourselves was particularly crucial to dovetail correctly with Varian's proposals.

Our solution

The Trust's Linac Room 1 was located immediately adjacent to the site area and it was of paramount importance that this remained fully functional and undisturbed throughout the course of the project. Therefore noise, vibration, access, site boundaries and radiation protection lines were all considered when developing our project methodology. The initial time spent on our approach paid dividends, the project was completed to meet the clients key dates and even incorporated substantial additional elements that were added during the course of the scheme.

Client:	Royal Free London NHS Foundation Trust
Project Value:	£400,000
Programme Duration:	12 weeks
Architect:	WT Partnership
Quantity Surveyor:	WT Partnership