



**WHITFIELD & BROWN**

## Case Study

# Linacs 7 and 8 Royal Preston Hospital

**The construction of Linac 7 & 8 was undertaken to meet the growing demands for radiotherapy services at Preston Royal Hospital.**

The new 1122m<sup>2</sup>, 3-storey extension has been linked to the existing Rosemere oncology outpatients department and provides two more linear accelerator chambers, reception, waiting area and male & female toilets.

The linear accelerator chambers to the basement have been constructed as concrete radiation proof bunkers with 2.5m thick walls and ceiling. The upper floors have been constructed using conventional steel frame and the brickwork and mono pitched oyster grey roof has been designed to match the existing facility.

An oncology maintenance workshop has been created on the lower ground floor, at ground floor level there is flexible space for office accommodation and to the first floor is the plant room.

All work has been carried out on a permit to work system due to the locality being directly adjacent to the existing radiotherapy unit.

### Key Aspects

- ✓ BREEAM Very Good rating
- ✓ 'Green agenda' of conservation and sustainability through the use of natural light and ventilation
- ✓ Receipt of deliveries before 7am
- ✓ Close coordination with manufacturers to meet critical installation dates of the £1.6 million linear accelerators



<b>Client:</b>	Lancashire Teaching Hospitals NHS Foundation Trust
<b>Architect:</b>	Mersey Design Group
<b>QS:</b>	Frank Whittle Partnership
<b>Value:</b>	£1.8 million
<b>Contract Period:</b>	43 weeks
<b>Procurement:</b>	Single Stage Tender / Traditional Contract

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