



## Diagnostic Unit, Papworth Hospital



The project was designed for use as a one stop diagnostic unit for the Hospital's inpatient requirements and as an outpatient facility for neighbouring hospitals and clinics. Work included the housing of a Digital X-ray machine, a MRI scanner and a CT scanner with associated reporting rooms, waiting areas, administration and consultant's offices.

The building comprised of a steel framed structure with metal framing to the external skins, clad in brick and timber cladding. The specialist areas were constructed to suit the equipment with the MRI in a faraday cage and the x-ray and CT scanner in lead lined rooms. The roof had a composite steel insulated panel with interlocking tiles. Asymmetric beams with a metal deck for insitu concrete formed the 1<sup>st</sup> floor. This enabled wide spans and a large service void to the suspended ceiling below. The building was designed to complement the surrounding hospital thereby meeting planning restrictions.

Planning permission was obtained in November 2006 facilitating an enabling works package to clear the site and to place letters of intent for the steel frame, lift and a PCC lift shaft in line with our start date of February 2007. The building with the installed diagnostic equipment was handed over within 11 months and fully functional by the hospital within 13 months from obtaining planning permission.

Successful delivery of this complex project was a result of careful coordination with the client and design team. Work was completed on a very confined site, adjacent to operating theatres and outpatient areas without disturbing the everyday activities of the hospital.

### Client

Papworth NHS Trust

### Architect

A D Architects

### Structural Engineers

Richard Herman Associates

### Mechanical and Electrical Consultant

IBS

### Contract Details

JCT 2005 with quants, negotiated

Value: £3.0m Period: 48 weeks

### Constructed

2007