

Case study

# New Day Case Surgery & Imaging Centre

Harrogate and District NHS Foundation Trust is advancing its transformation programme with the establishment of a new Day Case Surgery and Imaging Centre.

The project entails a new two-storey building housing two state-of-the-art operating theatres, two treatment rooms, a day case ward, and an imaging department including MRI and CT scanners, x-ray rooms, ultrasound scanners, bone density scan, and real-time fluoroscopy.

The site, formerly occupied by the Therapy Service building, posed dimensional challenges due to its previous infrastructure. Careful coordination among design teams was crucial to integrate necessary hospital services within limited space, necessitating innovative approaches such as embedding the steel frame within the composite metal deck for enhanced usability.

Due to varied medical requirements, each of the building's two floors features distinct layouts, necessitating transfer structures to support the upper floor while ensuring unobstructed functionality for the lower floor.

Alan Wood & Partners provided Civil & Structural Engineering Services from RIBA Stage 1 (Preparation and Brief) through to RIBA Stage 7 (In Use). The project, aligned with BIM level 2 standards, encompassed approximately 3500m². Services included design and detailing of foundations, reinforcement, steelwork, drainage, and external works, delivered under ACE Conditions of Engagement 2009, Agreement 1: Design and Schedule of Services Part G (a) Civil and Structural Engineering, as a non-lead consultant.



Location:  
Harrogate



Client:  
Harrogate & District  
NHS Foundation Trust



Architect:  
Race Cottam  
Associates



Value:  
£50m



Civil  
Engineering

Structural  
Engineering

Modern Methods  
of Construction  
(MMC)

Geotechnical and  
Geoenvironmental

Engineer/  
Manage/  
Deliver/