

# Critical Care Centre



Location:  
John Radcliffe Hospital,  
Headington, Oxford,  
Oxfordshire



Client:  
Ideal Building Systems



Architect:  
IBI Group



Value:  
£122.9m (Combined)



Civil Engineering

**Structural  
Engineering**

Building Consultancy

Geotechnical and  
Geoenvironmental  
Engineering

Project Management

Specialist services

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Two phases of construction delivered to the prestigious John Radcliffe Hospital in Oxford; A 5 storey, 48-bed critical care building and a 5 storey, ward and operating theatre building.

Both structures utilising Modern Methods of Construction (MMC) through volumetric modular construction.

## Engineering and Design Factors

The new buildings include operating theatres, specialist testing equipment spaces, ward spaces, consultation rooms, social spaces and plant areas. The superstructure was designed as volumetric modular with a requirement to meet HTM specifications and in accordance with current European building design codes. As part of the superstructure design, significant dynamic analysis was undertaken which Alan Wood and Partners liaised with the client and end user to ensure would be suitable for the building usage.

## Description of the Works

Alan Wood and Partners provided structural design services for both superstructures. To date, these projects have been very successful providing the required spaces to meet the clients needs. The phase 1 project has been highly commended including being an Offsite Award Winner 2022 & Building Better Healthcare Award Winner 2022.

## Core services

Structural Engineering

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## Sectors

Health, Social Care and Bluelight