



Two-Storey Single Theatre Project

Spire Healthcare Group
Spire Harpenden Private Hospital, Hertfordshire



For permanent solutions contact
01242 663050
www.moduleco.com



For semi-permanent and lease hire options contact
01242 663060
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Our range covers all essential healthcare areas and includes:

- Operating theatres
 - General anaesthetic
 - Orthopaedic
 - Ophthalmic
- Recovery areas
- Wards
- Endoscopy suites
- Theatre sterile supply units
- Diagnostic rooms
- Patient and staff ancillary areas
- Isolation wards
- High dependency units
- Containment areas
- Pathology laboratories
- Mortuaries

Maximising the Hospital Estate

ModuleCo delivered a single operating theatre suite repurposing redundant courtyard space as an HBN26 compliant orthopaedic surgery facility.





Single Operating Theatre Suite

Key specifications:

- A full operating theatre suite with a scrub, 56m² operating room, anaesthetic, prep and utility rooms
- All Group 1 equipment provided including operating theatre lamp, surgeon's panel and two medical gas pendants in the operating theatre
- Pre-engineered second floor plant decks, incorporating air handling units and controls all finished in the factory before being craned into position on site
- Laminar flow canopy
- Integration of Karl Storz pendants and media system

Complex courtyard installation

This type of project is an ideal solution for NHS 'nucleus' courtyards. This type of space is often the only usable space available within many hospital estates which have developed all accessible space over the years.

ModuleCo specialise in a design and construction methodology that allows us to deliver HBN compliant designs that maximise the limited space available in most hospital estates.



Vital design considerations and off-site assembly

The footprint of the courtyard available to Spire to host the facility was just 12m x 10m and occupied two storeys.

Working in conjunction with the hospital team, ModuleCo designed a bespoke two-storey solution that exactly fitted the footprint, fully utilising the limited space available. The theatre was supported on bespoke support columns designed by ModuleCo, which allowed the space underneath to be fitted out as a BUPA Wellness Clinic.

The design made use of existing circulation and plant space to improve the design flow. Limited plant space was available on site and this was solved by the use of a pre-fitted and commissioned plant deck supporting power, air handling and refrigeration units at second storey level.

The unique off-site assembly and installation method employed by ModuleCo ensured minimal disruptions to a fully operational hospital site, something that would have been unavoidable with a conventional build. In fact, 90% of the fit-out for this project took place within our factory, allowing simultaneous site enabling works to take place, significantly reducing the overall programme.

ONLY 19 weeks from order to handover



Do you need help with your next healthcare facility? Contact us to discuss your requirements

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