

# Fast Track Modular Hire Solutions

Paediatric Dental Theatre Suite

Birmingham Community Healthcare NHS Foundation Trust



## Theatre Day Surgery Unit

ModuleCo Healthcare provided a complete turnkey package at Birmingham Dental Hospital, providing a single paediatric dental theatre and recovery, installed in just 16 weeks from order to handover, utilising our flexible financing options



**Birmingham Community Healthcare NHS Trust in conjunction with multiple partners; including the University of Birmingham, have recently opened the first integrated dental hospital and dental school in the UK for 40 years.**

As part of this scheme, ModuleCo Healthcare were approached to deliver a single paediatric dental theatre and two bed recovery unit to meet the temporary requirements of the Trust.

The tight timescales faced by the Trust meant that a traditional build was not an option. We were able to offer a competitive 16-week programme from design sign off and order to the handover of a fully operational facility.

We worked closely with the Trust and other involved parties to find the best solution for their needs, providing a completely stand-alone, HTM/HBN compliant facility, located within the car park of the brand new Pebble Mill site.

ModuleCo Healthcare provided a full turnkey package, which included design and build of the theatre and all the associated enabling and groundworks for the facility.

The theatre suite is on hire to the Trust for a 3-year period in which time the Trust will look to incorporate a paediatric theatre into the main building. Despite only being a temporary requirement, we have employed finishes which will complement the newly built hospital and also provide continuity for patients as they move between areas.

There were some initial obstacles to overcome with the site location which included the availability of incoming services. There was a very limited electrical capacity and no available natural gas that could be brought to the modular theatre so we had to investigate and propose alternatives. We confirmed that the best approach going forward would be the installation of air source heat pumps into a site built boiler plant room to provide heating to the facility.

Installing a modular facility into a newly completed and operational hospital also presented challenges. It was of great importance to both the Trust and Landlords that the least amount of disruption was caused.





Rooms
(1) Clerking
(2) Waiting room
(3) WC
(4) Assisted WC
(5) Patient change
(6) Staff rest
(7) Staff changing 1
(8) Staff changing 2
(9) Anaesthetic
(10) Lay up Prep
(11) Scrub
(12) Operating theatre
(13) Recovery and step down
(14) Dirty utility
(15) IFS / UPS

ModuleCo's strategic planning brochures covered all aspects of the project and were critical to this process. They insured that the delivery and installation was meticulously documented and planned, covering every detail and discussed with the Trust prior to the work taking place.

As a paediatric requirement, our key aim was to create a relaxed and pleasant environment for children undergoing dental surgery.

Working closely with the Trust, we focused on internal finishes which would be able to create a calm and comfortable environment for the children, rather than the often overwhelming atmosphere created by a standard clinical finish.

## Key specifications:

- 1 full operating theatre suite with a scrub, 56m<sup>2</sup> operating room, anaesthetic, lay up prep and dirty utility room
- HTM/HBN compliant
- 3m internal FFL to ceiling height in the operating theatre
- Electrical plant room and rooftop plantdeck with AHU
- All Group 1 equipment provided including operating theatre lamp, surgeon's panel and two medical gas pendants in the operating theatre
- Two bed recovery
- Administration space inclusive of waiting area, staff change and staff rest
- Standalone and self serving (only requires water and power)

# Order to Handover- 16 weeks



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**01515 560408**

**sales@healthcarehire.co.uk**



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