

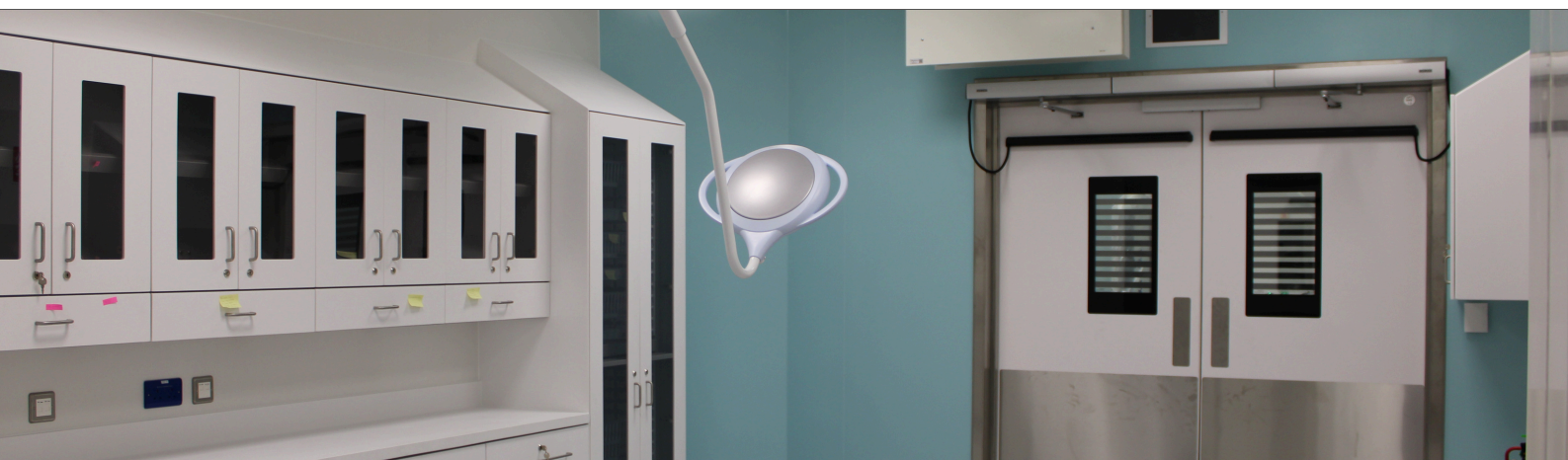


Healthcare

P. McVey  **BUILDING
SYSTEMS**

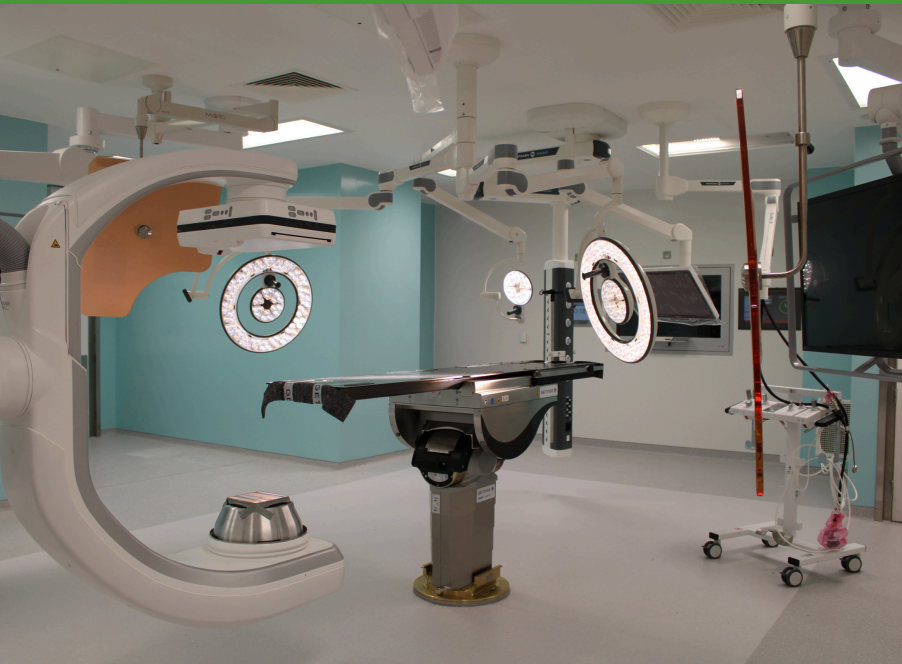
BEAUMONT HOSPITAL

Beaumont Hospital
Dublin



TIMESCALE

The modular hybrid theatre project for Beaumont Hospital was completed in June 2024. Constructed offsite, the entire installation was executed within a single day to minimise disruptions to the hospital's operations, particularly the 12 operational theatres and recovery wards.



PROJECT INFORMATION

P McVey Building Systems, was contracted to design and build a state-of-the-art hybrid theatre facility for Beaumont Hospital, with a total contract value of €12 million the project was completed in 13 months. Successfully delivering a high-quality, innovative facility that met exacting standards.

The facility consisted of 12 modules, each measuring 12m wide, 20m long, and 4.5m high, with a total area of 3650 sq ft. It included ground floor areas for scrub, anaesthetic, and theatre spaces, along with a first-floor plant room. The installation took 15 hours due to the client's higher ceiling requirements, requiring bespoke continental haulage vehicles and complex urban navigation.

Modules had to be delivered through an urban setting and lifted over the hospital, adding complexity. The central courtyard location, used for hospital deliveries, increased offsite work and complicated post-installation logistics.



OFFSITE SOLUTION

The project was a testament to the environmental and operational benefits of modular construction, with all 12 modules built offsite. This offsite approach reduced waste, minimised on-site disruptions, and lowered the hospital's overall carbon footprint. Innovative modular construction techniques were used, including 60-minute fire-rated timber frame walls for safety, rapid-response liquid screed flooring for efficiency, and self-contained systems for air handling and ventilation.



The modules were then lifted into place in a single day over a live hospital environment. Close collaboration with partners like Siemens and Bender UK ensured seamless integration of essential theatre equipment, making this project one of the first independently functioning hybrid theatres at Beaumont Hospital.

WANT MORE INFORMATION?

GET IN TOUCH

Interested in creating your own bespoke, high quality off-site project or modular building?

CONTACT US TODAY

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