Scope of Works
Mechanical & Electrical Services

Client
Health Service Executive (CUH)

Value
€8,000,000

Duration
12 Months

Architect/Design Certifier
MCA Architects

Consulting Engineer
Ethos Engineering

Main Contractor
BAM

Category
Healthcare

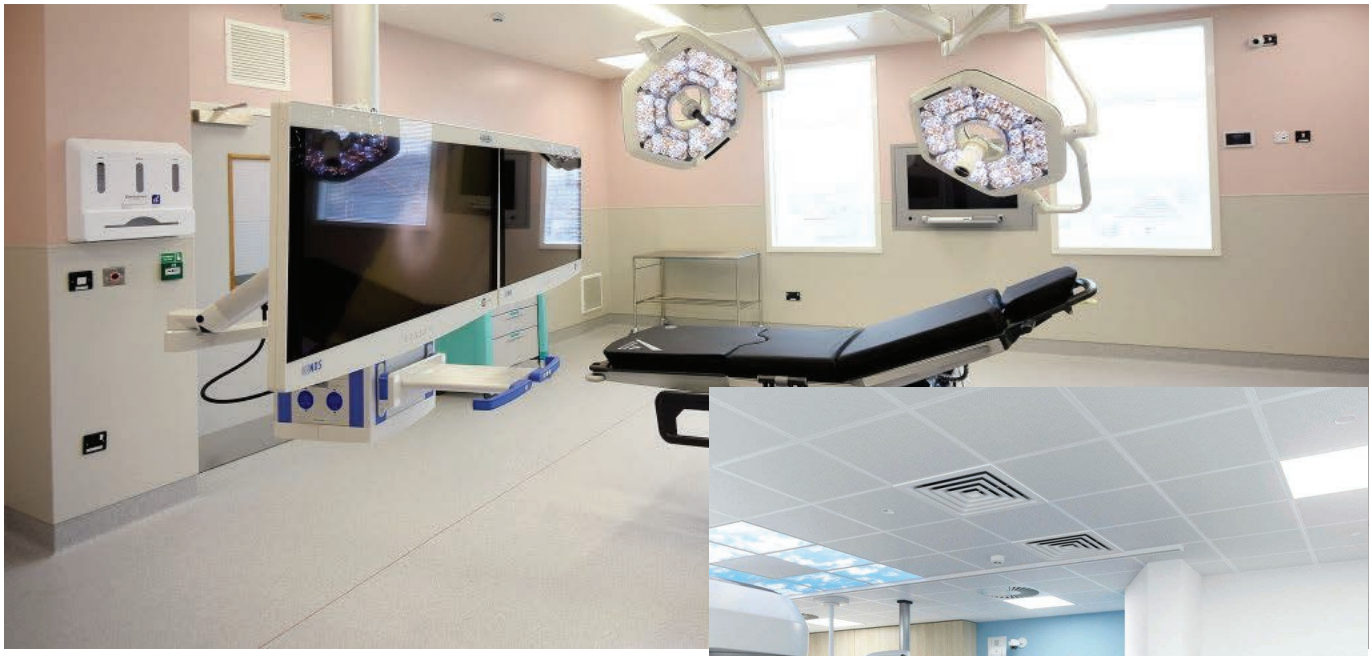
Cork University Hospital, Radiation Oncology Centre

Cork University Hospital, Wilton, Cork

PROJECT INFO

The CUH Radiation and Oncology hospital in cork is a state of the art 9,000m2 cancer hospital with 5 linear accelerators, 2 CT suites, HDR and Brachy theatres and associated plant spaces. Working with BAM we completed the complex and integrated mechanical and electrical services in this 250 room hospital

- Seven 'concrete bunkers' for radiotherapy treatment
- Brachytherapy suite with High Dose Radiation (HDR) theatre.
- MRI suite and two CT scanner suites.



SCOPE

Electrical:
MV & LV distribution, Back-up UPS, Lighting & Emergency Lighting, Security & Access Control, Lightening Protection, Induction loop, Fibre and Data Cabling, BMS and Controls.

Mechanical:
Mechanical Utilities, HVAC, Medical Gasses, Equipment installation and hook-ups, Plumbing and Sanitary services.

THE CHALLENGE

The Cork University Hospital Oncology Centre is a critical project for the region – it provides its inhabitants with local access to a range of important oncology services, advanced diagnostic services and modern treatments.

With an ambitious timeline, offering hospital users a cutting-edge facility that is safe and reliable was a major priority for this project.

THE SOLUTION

It is a major safety stipulation to assure the security of a whole building in case of electrical fault. A requirement that we fully met thanks to the bespoke modular wiring system, covering all the standard lighting, small power and general services.

- Pre-tested 'plug & play' modular wiring system with components from Wieland and Woertz.
- A prefabricated wiring system for the distribution of lighting, and power circuits. The system offers a high degree of flexibility and comprise modular sub circuit distribution, entirely prefabricated off site.

THE BENEFITS

- A quick cost-effective installation (system easy to install for reduced install/labour costs.)
- Low maintenance and easy to adapt and expand to future needs.
- Maintained integrity and reduced human error for a safe reliable environment.
- The confidence that the solution meets all compulsory specifications and standards.
- Overall, flexibility and peace of mind for all.