New MRI Facility, Extension & Refurbishment

Tullamore Mid Regional Hospital

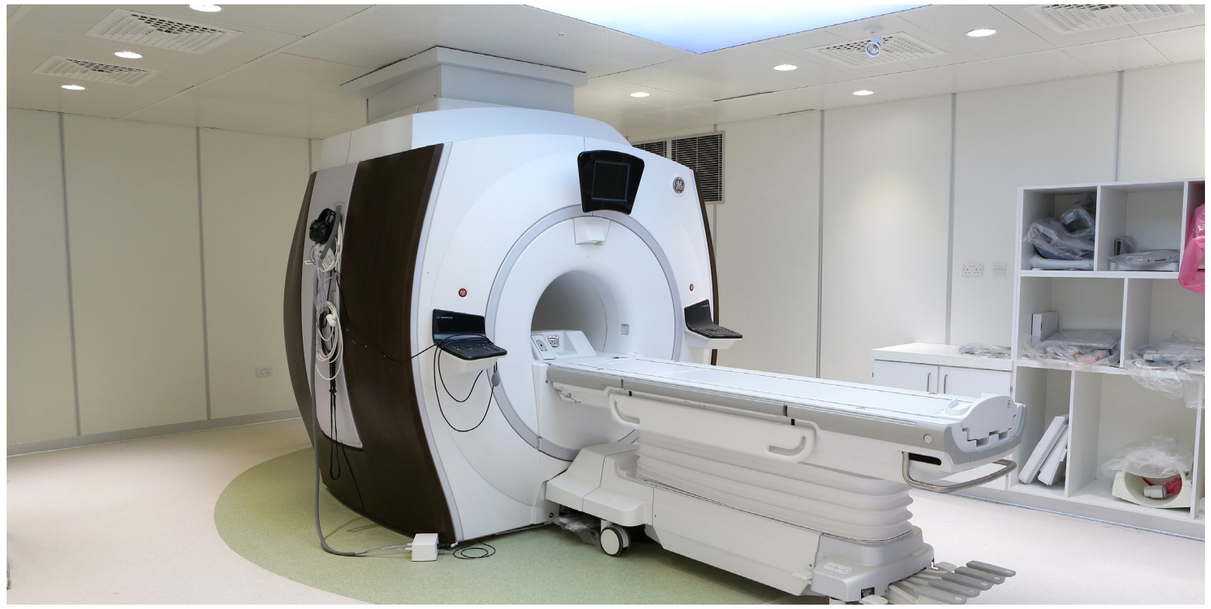
The Midland Regional Hospital in Tullamore is a modern live acute hospital campus. After a successful prequalifying and tender process we were selected as the preferred tenderer for the project based on both our experience and also commercial offering. The project consisted of a new MRI scanner, control room, Tech room, plant room, coms room, five bay recovery area, Anesthetic prep area, three ultrasound rooms, consultants offices, waiting areas, changing areas and reception area.

The MRI & Ultrasound Department is attached to the side of the existing X-Ray & CT department and below the operating theaters. The project consisted of five different tie in points and also remodeling of the existing hospital corridors. All M&E services also had to be tied into the existing hospital services. The chilled water had to be brought from the existing roof plant room to the MRI plant room in order to serve the new MRI scanner. Significant existing services had to be diverted prior to any construction works commencing on site. All hospital interfaces were agreed thought a strict method statement procedure. A method statement tracker was issued at each progress meeting to track the status of submitted method statement and also one that were pending.

The external facades consisted of self coloured rendered block work, Zinc wall paneling, Aluminum windows and Louvred walls. Access panels were incorporated into the louvered wall which would make it easy for future MRI replacement. This louvered wall also allows for Air circulation into the plant rooms and tech room. The roof consisted of mastic asphalt, roof lights and aluminum capping's. A small amount of plant was placed on the roof and an exclusion zone was formed around the quench pipe from the MRI unit. We appointed Imedco to supply and installed the RF cage and internal walls paneling within the scanner room. GE Supplied and installed the MRI scanner. We arranged numerous coordination meeting with all parties to ensure that the RF cage and the scanner was coordinated and installed in strict accordance with the manufacturers instructions. The scanner was brought in when the project was 75% completed. A panel of RF cage and wall paneling was left off in order to accommodate the scanner deliver. Once the scanner was in a protected we completed the RF cage and wall paneling. The scan room, tech room and control room were handed over to GE once we had the RF.

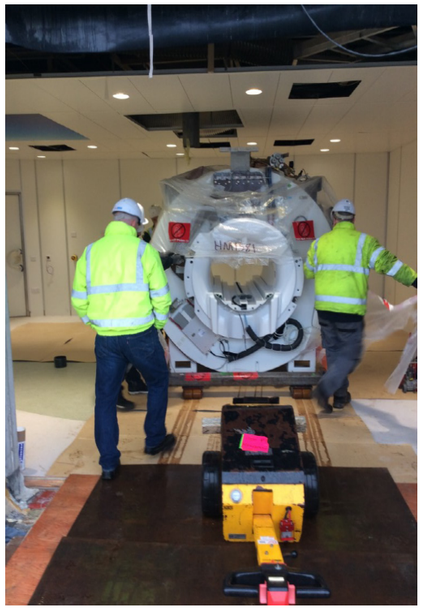
Once the 1st Fix was completed on the joinery we commenced with the DPM and floor leveling compound to the vinyl flooring. This allowed us to dress up the skirting under the IPS and furniture. Once the following was completed it was protected immediately. The M&E in the ceilings was then completed and ceiling tiles were laid in. Around the same time the 2nd fix joinery was occurring along with 2nd coat decoration. All wall protection was then completed. The final fix of all trades was then completed and the automatic doors & screens.

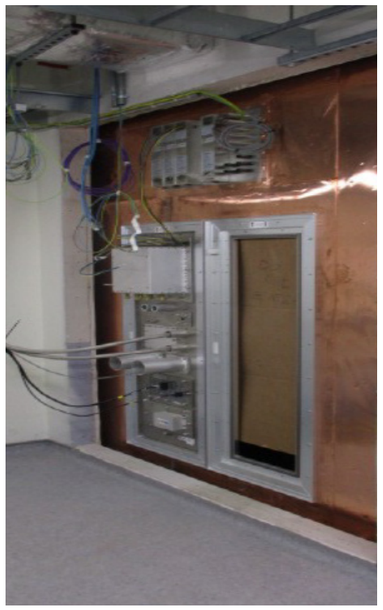
Once the works were completed we commenced the commissioning of all systems. All certificates were complied and put into the O&M. All BCAR information was also complied and ready prior to substantial completion. Once the systems had been verified we requested the Design Team to inspect same and the certs. Demonstrations were then arranged for the Maintenance and End user teams. This project consisted of all of the issues associated with working on a live acute medical campus. Our Team and company management systems ensured that the project was delivered on time and achieved all BCAR requirements.



Client:	HSE
Value:	€ 2,368,000
Size:	10,000 Sqft
Duration:	11 months
Architect:	MRL & Van Dijk
Services Consultant:	FLN
C&S Engineering:	Hayes Higgins

Feidhmeannacht na Seirbhíse Sláinte
Health Service Executive





Elliott GROUP