Mile End Hospital - Early Diagnostics

LOGAN CONSTRUCTION

Healthcare / Refurbishment

Key Features:

- Internal refurbishment and external plant-room
- Phased programme with decant / recant strategy
- Delivered via strict COVID-19 protocols

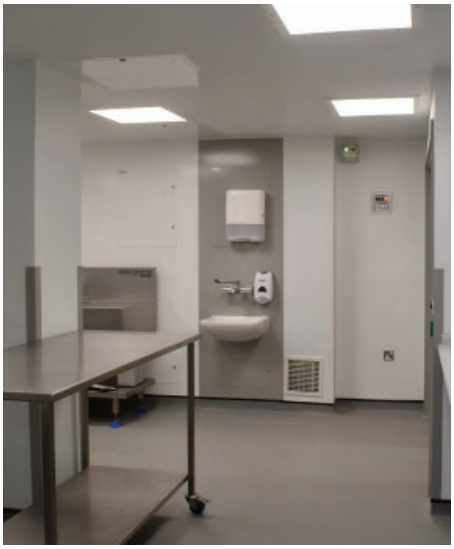
Collaborating with the Trust's team, we formed a new early diagnostic hub, providing endoscopy, decontamination and ultrasound services.

Our work delivered a complete strip-out of the ground floor Wing, followed by a complex fit-out to form two new endoscopy suites with associated changing facilities, clinical areas and specialist clinical equipment washing facilities. Moreover, new staff facilities, office areas and a waiting room was provided as part of our scope of works.

The project was heavily engineered, requiring new services throughout as well as the formation of an external plant-room situated in the adjacent courtyard area. There was also civil and structural engineering works with respect of the new below ground drainage and forming of openings, in addition the external plant-room and support work.

Coordinating the M&E Design

Due to the space being operational up to the moment the project began, access to perform early surveys was very restricted.



As a result, it quickly became apparent that the M&E design would be a big challenge to install into the limited available space onsite. This also meant some services had to be run down an adjacent corridor which was required for limited staff access.

As a result there were extensive meetings held to review the design. Making use of 3D drawings, underpinned by the combined experience f our project team and supply-chain partners, we coordinated a design which we were able to robustly accommodate onsite.

Additional design changes in the construction phase were also enabled successfully through our agile delivery model.

Client:	Barts Health NHS Trust
Project Value:	£4,700,000
Programme Duration:	55 weeks
Architect:	Murphy Philipps Associates LLP
Quantity Surveyor:	WT Partnership

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Furthermore, there was very limited space for the plant yard which housed three new air handling units, medical gas facilities and a chiller.

Following early engagement, we noted that there were several existing underground obstructions. Following this discovery, we coordinated large scale changes to the foundation design of the medical gas unit and chiller structure.

Collaborating Robustly wihtin the NEC Suite

As the contract was NEC, there was an opportunity for all parties to come together and discuss options before a final decision was made. Owing to the complex M&E design, this was particularly significant. Using our experience of collaborating robustly in this contract suite, as well as our considerable knoweldge retained from past Hospital projects, we were able to deliver to the exemplary safety and quality benchmarks of the Trust.

Multi-Phased Programme

In addition to the main build, minor enabling works were required to Block 5 to facilitate a move of the existing occupants to the main site. This was carried out prior to the main works commencing. Works were then delivered across two separate construction phases, in order to accommodate the continued operation of the Endoscopy Department.

Safe Working Through the COVID-19 Pandemic

Despite the COVID-19 pandemic, we were able to deliver a new Early Diagnostic Centre which exemplifies the World class health standards of the Mile End Hospital. To deliver to these standards, our team demonstrated a collaborative, dynamic, and problem-solving approach. This included adapting to a range of new challenges, such as new infection control requirements and pressures in our supply-chain.

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