

# ROYAL MARSDEN HOSPITAL, LONDON



8 Weeks

Duration

£237,000

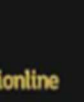
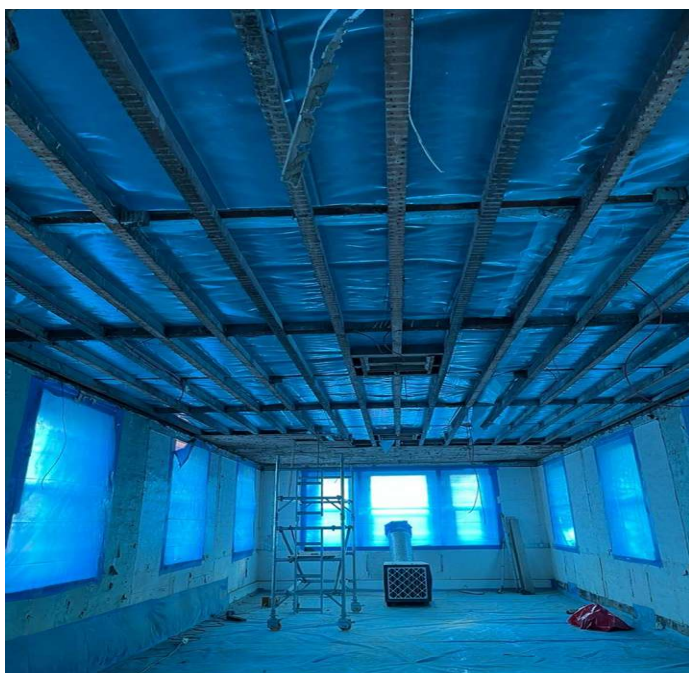
Value

## PROJECT OVERVIEW

INNOX was commissioned by the client to undertake licensed asbestos removal works within D Block, Royal Marsden Hospital, as part of the building's pre-demolition enabling phase. The works involved the removal of loose fill asbestos insulation located between the lath and plaster ceiling and roof joists within the first-floor loft areas

Due to the scale and condition of the asbestos (poor condition, Chrysotile & Amosite), the project required the creation of three large, licensed enclosures, with all works carried out internally on the first floor of the block. Enclosure 1 and 2 shared combined Airlocks/Baglocks due to restricted space, while Enclosure 3 utilized a tunneled access route to the ground floor

After the initial works were completed, asbestos thermal insulation was found to be present within the ground floor, floor voids and the service tunnel. Access and confined space control measures were a key issue when planning and undertaking the works. Confined space control measures were applied to the licensed removal works within the service duct.





## SCOPE OF WORKS

The licensed removal scope included:

- Removal of loose-fill ACMs from loft voids and ceiling structures.
- Construction of 3 licensed enclosures with negative pressure, CCTV, and access control.
- Installation of oversized Airlocks/Baglocks due to volume of waste.
- Delivery of a full wet removal process, shadow vacuuming, fine cleaning and decontamination.
- A full crawl-board access system was installed, ensuring safe movement and stability within the confined loft environment.
- Safe transfer of asbestos waste using wheelie bins to locked, sealed 35-yard hazardous skips.
- Successful completion of 4-Stage Clearances for all enclosure areas.
- Second phase of works consisted of another 3 licensed enclosures with scaffold access erected to provide compliant access to the deep floor voids.
- Confined space rescue equipment and gas monitoring was used for the complex removal works to the service tunnel
- Final stage of works was to remove newly found thermally insulated district heating pipe from the external grounds of D Block to allow new carpark to be constructed.

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## KEY CHALLENGES

- Confined loft access and tight working areas.
- High fibre-release potential from loose-fill asbestos.
- Extended internal waste routes through redundant hospital corridors.
- Shared Airlock/Baglock requirements due to limited space.

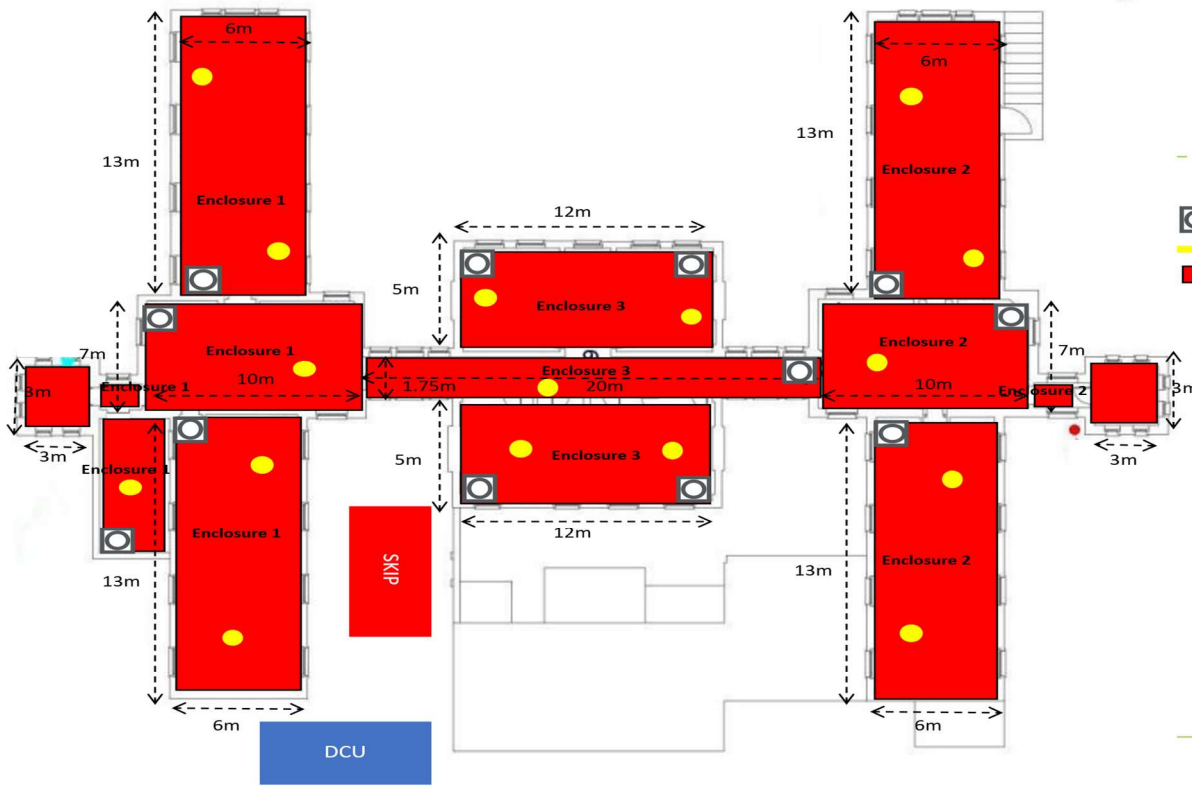
## HOW INNOX OVERCAME THESE




- Strategically Installed controlled crawl-boards to internal waste/transit routes under supervisor direction.
- Applied surfactant spray (1:10) and used continuous shadow vacuuming.
- Built oversized Airlocks/Baglocks and a tunnelled route for Enclosure 3.
- Used CCTV monitoring, airflow testing and full Control Point sign-offs.
- Enforced strict waste-handling procedures using sealed wheelie bins and supervised transport.
- Ensured all INNOX staff working on the project were confined space trained with compliant rescue and air/gas monitoring equipment present onsite.
- Specialist scaffolding designed and erected to provide compliant access throughout works.

## PROJECT OUTCOME

- All asbestos safely removed in compliance with CAR 2012.
- All enclosures passed 4-Stage Clearances on the first attempt.
- Zero incidents and full documentation submitted to the client.
- Additional works managed and compliantly undertaken within estimated timescale.
- Project completed on time and all within the client's budget.
- Area handed back clean, safe and ready for demolition.

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-  CCTV x10
-  Type H vacuum
-  Ceiling to remove to expose loose fill
- Enclosure 1 3.5m H Void sheeted out in loft
- Enclosure 2 3.5m H Void sheeted out in loft
- Enclosure 3 3.5m H Void sheeted out in loft