



HORSHAM HOSPITAL MECHANICAL & ELECTRICAL UPGRADE

The Horsham Hospital project involved a comprehensive three-phase upgrade of the hospital's heating and electrical infrastructure improving operational reliability and preparing the site for future low-carbon heating solutions.

Delivered within a live healthcare environment the works included the refurbishment of existing plant rooms, replacement of heating boilers, extensive mechanical and electrical upgrades, and complex structural and demolition works.

Through close collaboration with multiple stakeholders including NHS Property Services, GB Partnerships, the hospital's Estates Team and Specialist Subcontractors, the works were carefully coordinated to minimise disruption to hospital operations whilst maintaining a safe working environment for patients, staff and visitors.

Phase 1 - Heating Plant Room Refurbishment

- Refurbishment of the existing heating plant room, including structural alterations, asbestos removal and new wall, ceiling and floor finishes.
- Removal of existing circulation pumps and pipework, followed by the installation of three new gas-fired boilers and associated controls.
- Installation of new electrical supplies, fire alarm infrastructure, boiler flues and a new gas main to provide an independent heating supply.

Phase 2 - Main Boiler House Upgrade

- Installation of temporary gas-fired boilers to maintain heating services during the replacement of three permanent boilers.
- Installation of a new Building Management System (BMS), associated pipework, flues and mechanical infrastructure.
- Refurbishment and modification of the main boiler house to improve heating distribution and system reliability.

Client

NHS Property Services
Estates

Project Manager

GB Partnerships

Architect

Jefferson Sheard
Architects (JSA)

M&E Engineer

CBG Consultants Ltd

Structural Engineer

Green Structural
Engineers Ltd

Cost Advisor

McPhersons

Apr 2023 - Sep 2026
(Phased over 3 stages)

£2.7m

Phase 3 - Electrical Infrastructure and Enabling Works

- Replacement of the hospital's main electrical panel to improve electrical infrastructure and facilitate future air source heat pump installations.
- Carefully coordinated electrical isolations and temporary power arrangements to support essential services during the works.
- Phased demolition of the redundant water tower, including asbestos removal, temporary works and bespoke scaffold design.
- Associated structural and enabling works to support the hospital's future low-carbon heating infrastructure

The three-phase programme has significantly enhanced Horsham Hospital's heating and electrical infrastructure improving operational resilience and providing a foundation for future sustainable heating solutions.

Delivered within a live healthcare environment, the project demonstrates LST Projects' expertise in managing complex mechanical, electrical and structural works whilst minimising disruption to essential healthcare services.

