

CASE STUDY



Water Pumping Solutions for an NHS Client

PROJECT INFORMATION

Client: NHS Client

Date: May 2026

Timeline: Supply completed within 6–8 weeks
(delivery finalised by end of May)

Industry: Healthcare / Commercial Building
Services

Project: Supply of complete pump package for
hospital plantroom refurbishment

System/Equipment:

Multiple variable speed pump systems
including Grundfos NBE end suction pumps, TPE
line pumps, MPC-E booster sets, Magna3, CME
multistage pumps, and associated system
components.



High-Efficiency Pump Upgrade for NHS Plantroom Refurbishment

Tricel Pumps supplied a comprehensive range of high-efficiency pumping solutions as part of a plantroom refurbishment for an NHS Client.

The project required the replacement of outdated fixed-speed pumps with modern variable speed systems to improve efficiency, performance, and reliability in a critical healthcare environment.

Working closely with Alpha Pumping Solutions and Edmund Services, Tricel ensured all equipment was delivered on time, enabling a smooth and efficient installation process within tight project timelines.

CLIENT REQUIREMENTS

The NHS Client required a complete upgrade of its plantroom pumping systems to support operational efficiency and performance. Key requirements included:

- Replacement of legacy fixed-speed pumps with modern, energy-efficient alternatives
- Reliable supply within a strict project timeline
- Equipment designed to simplify and accelerate installation
- High-performance systems suitable for a healthcare facility

PRODUCTS SUPPLIED

- 35 × Grundfos NBE variable speed end suction pumps
- 7 × Grundfos TPE variable speed line pumps
- 2 × Grundfos MPC-E variable speed cold water booster sets
- Grundfos Magna3 variable speed canned rotor pumps
- Grundfos CME horizontal multistage pumps
- Grundfos UPS destratification pumps
- Spacer kits, expansion vessels, flexible connectors, inertia bases



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GENERATIONS OF INNOVATION

PROJECT CHALLENGES

TIGHT DEADLINES:

All equipment needed to be delivered quickly to meet refurbishment schedule

INSTALLATION EFFICIENCY:

Required pre-designed solutions (e.g. spacers) to reduce install time

CRITICAL ENVIRONMENT:

Healthcare setting requiring reliable, high-performance systems

SOLUTION & APPROACH

Tricel Pumps provided a tailored supply solution designed to meet both performance and installation requirements:

- Fast response times and strong customer support throughout the process
- Technical expertise to ensure correct product selection
- Manufacture of custom spacer kits to simplify installation
- Reliable procurement and delivery within a 6–8 week timeframe



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GENERATIONS OF INNOVATION

RESULTS

- All pumps supplied on schedule (completed by end of May 2026)
- Smooth installation enabled by pre-prepared components
- Improved system efficiency with modern variable speed pumps
- Enhanced performance and energy savings compared to legacy system

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