

Case Study

NHS Chlorine Dioxide Unit Installation





BACKGROUND

Healthcare facilities face unique challenges in maintaining water safety due to their complex infrastructure and the vulnerable nature of their occupants. From operating theatres to patient wards, every water outlet must meet the highest standards of safety and reliability.

An NHS building, built in 2009, was reliant on its original chlorine dioxide unit for water treatment. TEC began maintaining this unit in 2021 as part of our water treatment contract, successfully extending its operational life by two years through strategic maintenance, including replacement of dosing pumps and adherence to manufacturer's servicing guidelines.

However, in 2023, the control unit on the dosing system failed, necessitating complete replacement as the client had no alternative means of controlling the chemical treatment in their system.



THE CHALLENGE

The project required urgent action to replace the failed chlorine dioxide unit in a healthcare setting where maintaining water quality is critical. The installation needed to be completed quickly to minimise disruption to the hospital's operations while ensuring compliance with all relevant healthcare and safety regulations.





THE SOLUTION

TEC implemented a rapid-response solution, selecting and installing a chloriDOS ClO₂ unit. The project demanded precise coordination between multiple stakeholders, including chloriDOS manufacturers, the NHS Water Safety Group, and Oxiflo.

The team managed the complete process, from removal and safe disposal of the existing unit – in compliance with Hazardous Regulation 2005 – to installation and commissioning of the new system.



THE OUTCOME

The entire project was successfully completed within a two-week timeframe, demonstrating TEC's ability to respond quickly to critical infrastructure needs in healthcare settings. The new chloriDOS ClO₂ unit was efficiently installed and commissioned, ensuring minimal disruption to hospital operations while maintaining essential water treatment standards. This project showcases TEC's expertise in managing urgent technical installations within highly regulated healthcare environments.



The installation needed to be completed quickly to minimise disruption to the hospital's operations.



YOUR PARTNER

Total Environmental Compliance – a PTSG Company – is a leading UK based consultancy providing water treatment, water hygiene and remedial services.

Find out how we can become your trusted partner, delivering water safety, protection from Legionella and compliance that you can rely on.



info@tecompliance.co.uk



www.tecompliance.co.uk



Total Environmental Compliance Ltd



Northern Office: 0151 2579302



Southern Office: 01536 650601

