



## Swift and Comprehensive Legionella Response for a Premier Hotel & Resort

### Background

An award-winning hotel and resort located in North Warwickshire, offers over 300 luxurious bedrooms and suites, complemented by an array of exceptional amenities. Guests can indulge in multiple dining options, unwind in stylish bars, and make use of versatile event and meeting spaces. For relaxation and rejuvenation, the property boasts a leisure club and a luxurious spa, offering a haven of tranquillity.



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### The Challenge

The challenge involved addressing a critical situation with an extremely fast turnaround. Legionella was detected on-site, requiring immediate action to safeguard users and mitigate risks.



Before the installation of the Genox unit.



### The Solution

To address the Legionella issue, a comprehensive solution was implemented swiftly and effectively. Within a month, the outdated chlorine dioxide (CLO<sub>2</sub>) unit was removed and replaced with a Genox unit, providing a robust primary solution. Point-of-use Legionella filtration was installed on all outlets to ensure immediate protection for end users while the mechanical solutions were being implemented.

The site went thorough review and remediation process to optimise water system safety. Dead legs in the system were identified and removed, and unnecessary tanks were bypassed to reduce stored water and prevent stagnation.



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Additionally, all outlets were descaled to remove significant limescale buildup, and TMV (Thermostatic Mixing Valve) servicing was conducted, including cleaning the strainers to enhance system hygiene and performance.

This proactive approach, combined with the rapid deployment of T-safe filters across the site, ensured both immediate and long-term protection for users, successfully mitigating the risks posed by Legionella.



**T15-30 LC Genox unit with brine tank and Neuthrox tank.  
Micro water softener and carbon filter. Two Prisma dosing pumps and Centurio chlorine monitor.**

### Value Added

The implemented solution provided robust protection for all users of the water system, safeguarding their health and wellbeing.

Beyond immediate safety, the measures also protected the client's reputation, ensuring their operations could continue without the risk of association with a Legionnaires' disease outbreak.