

# Hydro-X

Case study outlining the benefits of  
using PTSA traced inhibitors to extend  
the life of ageing cooling systems

Contact: [www.Hydro-X.co.uk](http://www.Hydro-X.co.uk)  
Headquarters: 01909 565133

## Hydro-X's new range of PTSA Inhibitors:

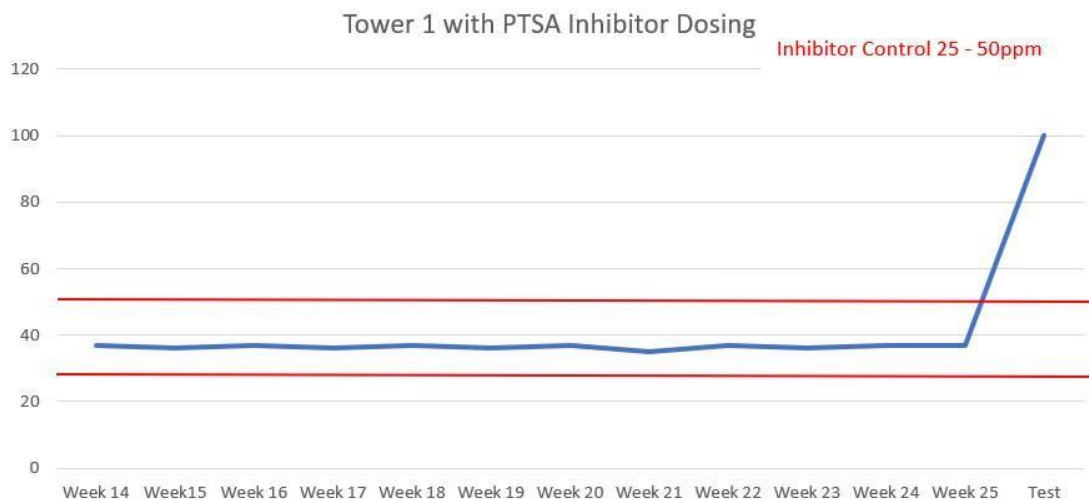
- Now standard as part of our liquid range of cooling system inhibitors
- Integrated into our new range of solid Hydro-Solv chemicals



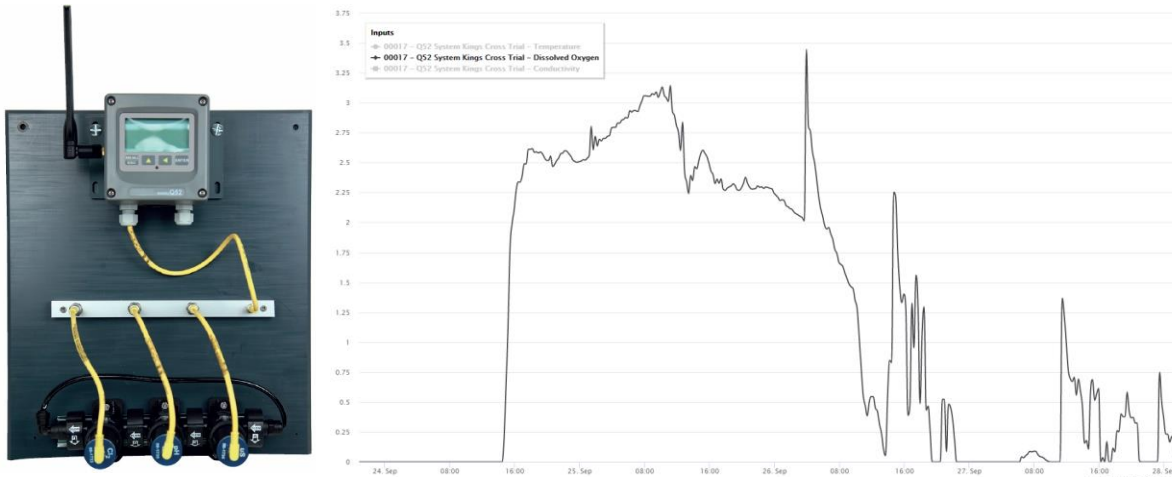
### Field Example:

As part of our dilapidation study it was agreed to make best use of the existing but aging infrastructure for a further 5 years. The challenge was to make good the systems for this extended period of time with very tight limits on corrosion rates whilst giving reassurance that we could futureproof for expected increased throughput.

Hydro-X undertook a detailed cost benefit analysis which determined the need to improve visibility of key performance indicators which included corrosion, deposition and bacteria monitoring. Using the 'Hydro-Cor' synergic blend of corrosion and scale inhibitors with PTSA technology, the customer was able to have confidence that the right product was being dosed at the right levels, all of the time.



Coupled with Hydro-X Hydro-Net both parties were able to have the confidence to move to the next level - drive for higher cycles of concentration: a calculated risk that brought highly tangible reward. This included 15% reduction in water and salt usage. With a more predictable water consumption it was then feasible to invest in dedicated bulk storage facilities that minimised chemical transfer and handling.



Although Hydro-X manufactures its own products in the UK, the reduction in carbon footprint via less transportation vehicles travelling to site was still not insignificant. In addition, it has all but eliminated manual handling and disposal of empty containers.

Hydro-X has over 2500 days of continued operation without a RIIDOR. Safe, compliant working is an integral part of Hydro-X's business culture. This case study is a key part of the customer sustainability targets both on site and globally within their organisation.

At a recent client legionella audit, the 'Hydro-Net' system was utilised to show trending and reporting that enabled the auditor to have all the answers they needed around legionella risk management.

#### **Detail:**

The upgraded range of Hydro-X Controllers provide recorded data every 15 seconds and can be simply downloaded, linked back to any BMS or data sent to the cloud with GSM. Soon the system will be available to link back to your client portal.

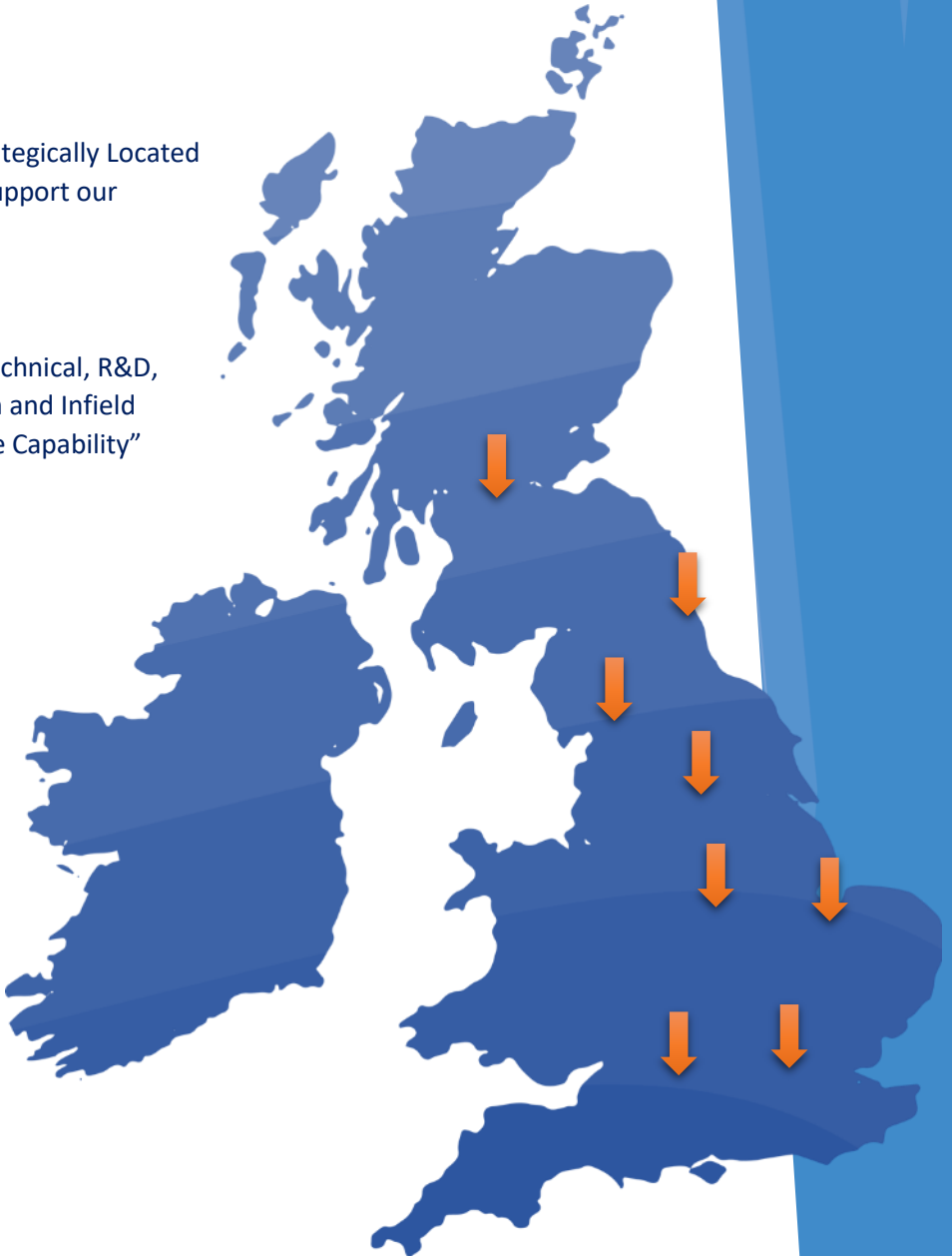
# About Hydro-X Group



8 Regional Location Strategically Located throughout the UK to support our Business Partners



Over 120 Staff – Sales Technical, R&D, Products, Administration and Infield Engineers with “In House Capability”



## Committed to Protect your Organisation.

Through innovative technologies and continual investment with reliable product and services that –

- Provide peace of mind concerning your compliance
- Enhance your plant longevity
- Reduce your total cost of operation
- Providing compelling Return on Investment
- Helping us both differentiate from competition



### Water Treatment

Cooling Systems

### Steam Boilers

Pre-Treatment

### H & C Systems

Effluent Treatment

### Pre-Commission Cleaning

Filtration and Chemical



### Water Hygiene

ACoP L8 Compliance

### Water quality

### Sampling to UKAS

System Clean & Chlorination

### Chlorine Dioxide

Log Books

### Same Day Reporting



### Risk Assessments

Legal Compliance

### Legionella RA

C&G Training

### Water Surveys

Reviews

Audits

### Closed system Assessments



### Engineering

Water Treatment Plant and Equipment

### Chemical Cleaning

Tank Installation

### Process and Optimisation

Water Reclaim

### Pre-Treatment



### Air Hygiene

Duct work Cleaning

### Kitchen Extract

Fire Dampers

### Indoor Air quality

Post Clean Verification

### Deep Cleaning