

Clean Water Treatment & Supply

Control systems that keep water safe, compliant and running around the clock.

Clean water sites run day and night, many of them unmanned, under close regulatory scrutiny. Their control systems have to hold every treatment stage within limits, keep the network in supply, prove what happened and stand up to cyber threats, often on assets that have grown up over decades.

YOUR PRIORITIES

What matters most

Water quality you can prove

Every treatment stage in limits, with records a regulator will accept.

Continuity of supply

Supply maintained through faults, maintenance and outages.

Remote, unmanned sites

Reliable telemetry and alarms across a region.

Cyber security

Control networks that support your NIS evidence.

STANDARDS

Standards we work to

Water Supply (Water Quality) Regulations 2016

Drinking water standards, sampling and monitoring in England, enforced by the DWI (Wales has equivalent regulations).

WIMES

Water Industry Mechanical and Electrical Specifications, used across UK water companies.

NIS Regulations 2018 and NCSC CAF

Cyber security duties for operators of essential services, assessed against the Cyber Assessment Framework.

IEC 62443

Security for industrial automation and control systems.

SEMD 2022

The Security and Emergency Measures Direction for water undertakers.

IEC 62682 / ISA-18.2

Management of alarm systems for the process industries.

HOW WE DELIVER

Specify

Design

Test

Commission

Hand over

Support

Systems we engineer

- Raw water abstraction and intake pumping
- Clarification, filtration and disinfection
- Chemical dosing and pH control
- Treated water storage and booster pumping
- Telemetry and regional SCADA
- Maintenance reporting and asset data

PROJECT EXPERIENCE

Water treatment and supply

Matrix delivered the software, electrical and SCADA system for a water treatment and supply scheme: storage reservoirs with sand filtration, pumps, valves, dosing and pressure systems, pH control, clarification, filtration and disinfection, with maintenance reporting built in.

ISO 9001 certified • Cyber Essentials • CHAS • Constructionline • SafeContractor

Talk to us about your project

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