

Wastewater Treatment

Control systems that keep effluent within permit, whatever the weather.



Wastewater works and sewer networks never stop receiving flow. They have to treat it to permit limits in dry weather and in storms, run pumping stations and storm tanks across a region, handle sludge and biogas safely, and show regulators and the public what was discharged, when and why.

YOUR PRIORITIES

What matters most

Staying within permit

Final effluent in limits, with records that stand up.

Storm overflows under scrutiny

Fewer spills, and event data you can rely on.

Energy and digestion

Lower energy use, safe and productive digestion.

Remote, unmanned assets

Secure, reliable telemetry across the network.

STANDARDS

Standards we work to

Urban Waste Water Treatment Regulations 1994

Collection and treatment of urban waste water in England and Wales, and the treatment standards works must achieve.

Environmental Permitting Regulations 2016

Permits for water discharge activities in England and Wales, including final effluent and storm overflow conditions.

MCERTS

The Environment Agency's Monitoring Certification Scheme, including its requirements for self-monitoring of effluent flow.

WIMES

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

DSEAR 2002

Fire and explosion risks from dangerous substances, including biogas in digestion and gas handling areas.

IEC 62443

Security of industrial automation and control systems across their lifecycle, for asset owners, integrators and suppliers.

HOW WE DELIVER

Specify

Design

Test

Commission

Hand over

Support

Systems we engineer

- Inlet works, screening and grit removal
- Aeration and activated sludge control
- Storm tanks and overflow monitoring
- Sewage pumping stations and telemetry
- Sludge treatment and anaerobic digestion
- Biogas handling and energy monitoring

Why Matrix

- **Standards first.**
- **You own the system.**
- **Tested before site.**
- **Multi-vendor.**
- **In it for the long term.**

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

Talk to us about your project

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