Insights for Water Utilities

streamwiseD.I.™
DIGITAL INTELLIGENCE

Overview

Ageing infrastructure, spiraling energy costs, protection of assets and departure from compliance, are just some of the many challenges facing water utility companies.

Accelerating the adoption of intelligent technologies such as AI and machine learning, can provide real-time upstream information to better manage and optimize processes downstream, at the water utility plant.

Key Drivers

Site Wastewater Data	Compliance Manager	Water Utility Plant
• Collecting accurate and secure data such as pH, temperature, flow and contaminants, in no or low touch ways	• Real-time data with compliance metrics to easily investigate wastewater operations	• Increasing capacity with limits in infrastructure
• Capturing and holding operating data for easy access and review	• Immediate alerts and alarms upstream to assist downstream processes and management	• Managing responses to emergences, safety and security of assets
• Visibility of breaches with immediate alarms for compliance excursions and exceptions reporting	• Full operational history for review of site wastewater performance and control	• Reducing overall costs for both operations and capital expenditure
	• API connecting directly to water authority automated billing software	• Prolonging asset life and reducing asset destruction due to concrete corrosion
	• Working in a transparent and collaborative way with wastewater producers	• Prioritizing repair work and preventive maintenance
		• Ensuring better quality wastewater is returned to the environment

Like to learn more?

Streamwise D.I.™ gives water utilities and compliance managers access to live and secure, cloud based wastewater information for full transparency and peace of mind.
For further information please contact us:

1300 344 468 | **info@streamwisedi.com** | **www.streamwisedi.com**

How Streamwise D.I.™ works

Streamwise D.I.™ empowers water utilities and compliance managers to intelligently process real-time information from wastewater producers within their network. Streamwise D.I.™ brings together the latest in:

• Digital and sensor technologies
• IIoT (Industrial Internet of Things) and wireless communication
• AI and big data analytics
• Powerful industrial grade edge device.

By combining these capabilities, Streamwise D.I.™ delivers an unparalleled way for water utilities to monitor wastewater data and increase visibility across their network.

How Streamwise D.I.™ helps water utilities

1. **Easy installation:** An out of the box, ready to go solution, Streamwise D.I.™ is sent directly to site for installation by either onsite personnel or one of our approved integrators.

2. **Full visibility of your network:** Using Streamwise D.I.™ data from a wastewater contributor is continually digitized and analyzed in a secure, advanced cloud based portal. This gives the water utility plant operators accurate, real-time data, insights and 24/7 visibility of the wastewater quality entering their network, with immediate alerts for compliance breaches. By deploying wireless video and imaging of a wastewater stream, information by time, flow or compliance excursions is also available.

3. **Customized alarms:** Alarm systems for each site are customized and automated, based on the trade waste agreement. Multiple alarms, via SMS and email, can be escalated to different management levels onsite and within the water authority for identification and rectification.

4. **Automated billing & data integration:** With Streamwise D.I.™ data can be linked (via APIs) to other operating systems such as the water authority's automated billing, as well as compliance and breach metrics.

5. **Compliance monitoring:** The Streamwise D.I.™ portal reports on compliance metrics such as total flow, instantaneous flow, pH, temperature, conductivity, turbidity or Total Suspended Solids (TSS). Reports can be linked to any other available data streams either directly, or via the site's SCADA or PLC. Customized reporting is also available for each site, including a display of bespoke compliance metrics and operational summaries.

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