Insights for Food & Beverage Producers

streamwise D.I.™
DIGITAL INTELLIGENCE

Overview

Wastewater generated from Food & Beverage (F&B) production is often high in organics and contaminants such as BOD, COD, Suspended Solids (TSS), as well as Fat, Oil and Grease (FOG). Phosphate and nitrogen are also potential by products. Globally, water authorities are enforcing stricter compliance and higher fees for the discharge of such wastewater as it can be difficult and costly to manage.

Accelerating the adoption of intelligent technologies such as AI and machine learning, F&B producers can optimize overall plant performance, improve compliance, lower OPEX costs and reduce risk.

Key Drivers

F&B Producer	Environmental Manager
• Achieving Environmental, Sustainability & Governance goals	• Full 24/7 visibility of all plant operations
• Ensuring better quality wastewater is returned to the environment	• Real-time data with compliance metrics to easily investigate wastewater operations
• Lowering operating costs	• Collecting accurate and secure data such as pH, temperature, flow and TSS, in no or low-touch ways
• Meeting agreed effluent requirements to minimize trade waste fees	• Automating chemical dosing to ensure no excess chemicals are used or discharged
• Visibility of breaches with immediate alarms for compliance	• Excursions and exceptions reporting
• Real-time reporting and compliance reporting to the water utility	• Customizing and automating alarms for faster for identification and rectification
• Prolonging asset life	• Minimizing plant outages
• Realizing the economic benefits of better managed wastewater	

Like to learn more?
Streamwise D.I.™ helps F&B producers optimize plant performance, reduce trade waste costs and reduce risk.
For further information, please contact us:

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

How Streamwise D.I.™ works

Streamwise D.I.™ empowers F&B producers to intelligently process real-time information from their wastewater treatment plant, by bringing 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 evidence-based decision intelligence and enhanced automation to boost plant efficiencies and lower costs.

How Streamwise D.I.™ helps you.

1. **Lowering OPEX:** Improving the efficiencies of wastewater treatment processes delivers improved compliance, as well as savings on operator oversight and overall operating costs.

2. **Full visibility:** Data from your treatment plant is continually digitized and analyzed in the Streamwise D.I.™ secure, cloud based portal. This gives your plant personnel accurate, real-time data, insights and 24/7 visibility of the plant, with immediate alerts for compliance breaches.

3. **Compliance monitoring:** The Streamwise D.I.™ portal reports on compliance metrics such as total flow, instantaneous flow, pH, temperature, conductivity, Turbidity or TSS. Additional data streams can be added directly or via SCADA or PLC, to the Streamwise D.I.™ portal and reports. By ensuring your plant adheres to strict environmental regulations, you save on trade waste penalties and surcharges.

4. **Customized alarms:** Alarm systems are customized and automated for your site, based on the trade waste agreement and site requirements.

5. **Enhanced automation:** Using our AI and machine learning models, simulations to boost plant performance can be tested before deploying in the real world

6. **Chemical management:** Reduce wastage and fully automate your chemical supply with intelligent dosing, inventory tracking, usage metrics and automatic re-ordering and delivery, saving time, money and resources.

Like to learn more?

Streamwise D.I.™ helps F&B producers optimize plant performance, reduce trade waste costs and reduce risk.
For further information, please contact us:

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