

Intelligent OPC: Elevating Compliance and Efficiency with Real-Time Digital Intelligence



Challenge

Food processing facilities face ongoing pressure to maintain the highest hygiene standards while reducing operational costs. Traditional OPC (Open Plant Cleaning) processes rely heavily on manual supervision, subjective reporting, and inconsistent visibility into cleaning activities. These gaps lead to **resource waste**, **inconsistent outcomes**, and increased **compliance risks**.

With labour, water, and chemical usage under constant scrutiny, customers need a smarter way to monitor and optimise OPC performance—without increasing workload.

Solution

Intelligent OPC is an advanced digital system that transforms cleaning supervision from manual and reactive to **automated, data-driven, and transparent**. Using real-time monitoring, automated step detection, and powerful cleaning analytics, Intelligent OPC provides unmatched insight into OPC performance—helping you ensure **cleaning consistency**, **resource efficiency**, and **compliance confidence**.

Value



With Intelligent OPC You Can:

- **Strengthen food safety and compliance** through precise digital validation of cleaning steps.
- **Identify anomalies early** and prevent procedural drift using continuous cleaning analytics.



- **Gain real-time visibility** into resource consumption and cleaning activity across your site.
- **Improve efficiency** through automated detection of rinse, detergent, and sanitation phases.



- **Move from supervision to insight**, enabling smarter resource allocation and more consistent hygiene results.
- **Reduce waste** by understanding actual usage of water, energy, and utilities.



Value Advantage

A step-change in OPC monitoring methodology

Intelligent OPC replaces subjective, manual observation with **automated digital intelligence**, providing measurable improvements in cleaning consistency, operational efficiency, and compliance readiness.

This digital solution enables your team to:

- Track and validate every cleaning step with confidence
- Reduce reliance on manual reporting
- Enhance transparency across the entire OPC operation
- Make informed decisions using weekly performance reports and live dashboards

Intelligent OPC Setup

Site Configuration

- Suitable for mostly fixed process equipment or process equipment that is cleaned in the target area
- Compatible with both decentralized and centralized set-ups.

Requirements

- Installation of a **ComBox (data capturing device)** to each satellite or hook-up point.
- Secure encrypted transfer of data to the cloud
- Sensors installed on each satellite, including:
 - **Flow**
 - **Pressure**
 - **Temperature**
- Collaboration with customer teams to map **object cleaning recipes** and OPC steps

Data Handling

- Data is sent securely to the cloud
- Automated algorithms analyse process patterns
- Processed insights delivered to the customer via Intelligent OPC solution and weekly performance reports

Contact us today to discover how Intelligent OPC can elevate your cleaning compliance, improve operational transparency, and enhance efficiency across your, and enhance efficiency across your facility.



Meeting Customer Needs

From Challenges

- Limited visibility into cleaning performance
- High resource waste
- Subjective manual reporting
- Inconsistent cleaning quality
- Reliance on visual supervision alone

To Benefits

- Real-time monitoring of OPC processes
- Automated step detection with clear time-stamped records
- Resource usage tracking for water, energy, and utilities
- Cleaning analytics that detect inconsistencies early
- Instant compliance insights through digital reporting

