

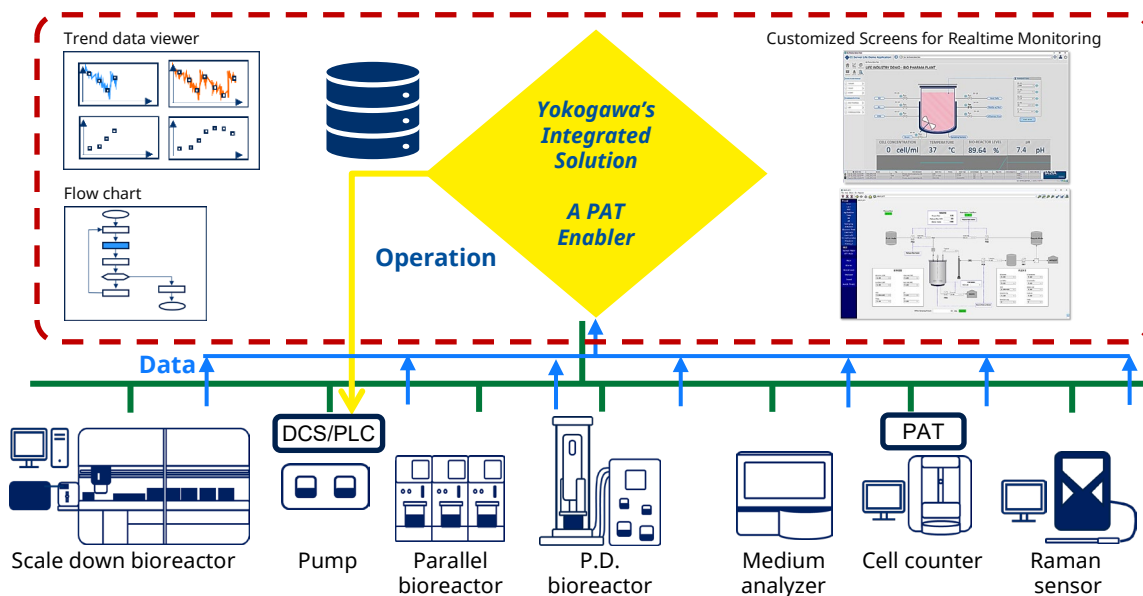
BioPilot

Optimizing BioProcess with PAT and Advanced Process Control

BioPilot is a user-friendly, all-in-one integration and automation tool designed to address the complex challenges of bioprocessing.

Drawing on over 30 years of experience across diverse industries and more than 3,000 licenses, we provide a powerful solution for optimizing bioprocess operations.

- **Seamlessly integrates bioprocess instruments** from multiple vendors across various protocols
- **Real-time data collection** from PAT equipment for advanced analysis
- Automation of daily and manual operations with an intuitive, **easy-to-build flowchart interface**.



Key Features

Connectivity: Seamlessly integrates PAT sensors, analyzers, and bioreactors from various vendors, enabling enhanced process control and streamlined data flow.

Plug-ins: A unified platform for direct communication with DCS/PLC systems from a variety of vendors, supporting numerous communication drivers for various controllers and adhering to industry standards.

Data Integrity: Secure and efficient data collection from both online and offline analyzers, consolidating information into a meaningful database to optimize operations and boost production efficiency.

Real-time Monitoring: Fully customizable operation monitoring interface, supporting batch, fed-batch, and perfusion cultivation for detailed and dynamic oversight.

Easy-to-Build Programs: Create your own automation flowchart with an intuitive drag-and-drop interface—no programming skills required.

Automate Manual Operation: The flowchart functionality automates manual tasks, tracks operational progress, and guides the appropriate next steps to ensure smooth processes.

Compliance: Built-in technical features guarantee compliance with 21 CFR Part 11, ensuring regulatory standards are met.

User Benefits: Empower your team by reducing human error, minimizing quality variation and production inconsistencies, and improving overall uptime, while decreasing batch failures and enhancing operational efficiency.

OpreX™ Yokogawa achieves operational excellence by providing products, services, and solutions based on the OpreX comprehensive brand that cover everything from business management to operations.

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