



# RETROFIT PLANT AUTOMATION UPGRADES

## DIGITALIZATION UPGRADES

IntelliFlux upgrades your existing plant automation system with digitalization features enabled by a powerful machine learning and artificial intelligence guided decision engine. This converts your plant to a "smart plant".

IntelliFlux enables you to track, report, and optimize your plant's uptime, throughput, operational logistics, energy, water, and economic footprint—in real time.

Every process plant is different, and your needs for each plant are different. IntelliFlux offers three core service platforms through three customized product lines to meet your requirements.

Product Line	Services		
	Monitoring	Reporting	Optimization
Smart SCADA	✓		
Virtual Assistant	✓	✓	
Virtual Operator	✓	✓	✓

**Monitoring:** If you do not have a SCADA support for your plant or process operation, this service is an essential step toward digitalization and smart plants.

**Reporting:** This service relieves you from the duties of sifting through SCADA data and compiling reports for your stakeholders. With IntelliFlux, you get your business intelligence directly from your plant—automatically.

**Optimization:** Let IntelliFlux Virtual Operator unleash the ultimate frontier of digitalization—decision automation for your plant. You will not only monitor your plant, but ensure its sustainability and reliability with IntelliFlux to maximize production, uptime, and reduce water, energy, chemical, labor and waste.

### ABOUT INTELLIFLUX



IntelliFlux installations consist of an edge control device (ECD) with our proprietary plant operating system (POS) software customized for your plant or unit. The system communicates with your existing control hardware, and automates all repetitive actions commonly performed by an operator, including monitoring system performance, managing setpoint changes, and reporting. IntelliFlux assists operators with timely alarms, warnings, anomaly detection, and maintenance scheduling.



## PRODUCT LINES

### SMART SCADA

IntelliFlux Smart SCADA adds predictive and business analytic components to any industrial control architecture, enabling operators to continuously monitor the plant's overall performance and health, assess capacity utilization, optimize production capacity and economics.

### VIRTUAL ASSISTANT

IntelliFlux Virtual Assistant is a machine learning and artificial intelligence powered operator assistance program that not only monitors system performance through dashboards, provides predictive analytics, and business intelligence, it also produces daily and weekly reports, and serves critical and predictive information to plant operators and stakeholders.

### VIRTUAL OPERATOR

IntelliFlux Virtual Operator can autonomously adjust selected control setpoints of a plant within prescribed ranges to maintain the plant in an optimal operating regime without requirement of operator intervention. The virtual operator can continuously monitor the plant's conditions, and adapt to external anomalies and influent quality excursions. This toolbox implements the complete decision automation framework in an existing plant, and manages complex repetitive tasks for the operator.

### THE INTELLIFLUX TECHNOLOGY



A Patent Pending Tunable Combination of Digital Twin and Deep Learning



Deployed in a Client-Server Configuration



Deliverable on any Existing Plant Automation (DCS/SCADA) Platform



REIMAGINE YOUR PLANTS WITH INTELLIFLUX

You are in control from anywhere—anytime