

Break through the IIOT noise with INTECH's Industrial Intelligence Solutions (IIS)

INTECH's IIS, built on the plantOS Platform, allows industrial enterprises to speed up their digital evolutions by:



Unifying IT, OT, and IIOT into a single framework



Providing a rich modeling environment for asset, production, logistics, and business operations



Bringing real-time business intelligence to the plant floor through a streaming analytics framework



Delivering a flexible application building environment that allows a customer to grow their use cases with increasing speed of deployment

While Platforms and Frameworks are the essential building blocks of applications, use cases make the most meaningful impact on your business. The Industrial Intelligence portfolio is designed to cover a wide variety of industrial plant-floor use cases.

Visibility		Management		Intelligence	
Production Tracking	OEE	Production Planning & Scheduling	Maintenance Schedule & Permit Management	Predictive Maintenance	Production Forecasting
Quality / Loss Analytics	Energy Tracking	Case Management	FMEA (Failure Modes and Effects Analysis)	Predictive Quality	Production Optimization
Equipment Health Monitoring	Alarm & Event Analytics			Anomaly Detection	RCA (Root Cause Analysis)



In today's digital enterprise, the demand for analytics and visibility exists at all levels of the organization, from the C-Suite down to shop-floor operators. What's the point of investing in the next generation of industrial software if you can't provide access to anyone who needs it?

Application use cases built on plantOS can serve a variety of roles in your organization.



Corporate Managers and Executives

Visibility into all of your production operations, regardless of location via the plantOS Analytics Framework.



Business Analysts

Derive insight from analytics applications to identify opportunities for improvement.



Plant Managers and Supervisors

Keep your teams on the same page through one integrated application framework, enabling them to do their best work.



Operations and Maintenance Engineers

Maximize your plant's uptime by using insights from the past and present to plan future work.



Operators

Real-time production count, events, and work instructions enable highly productive operators



plantOS is architected with flexible building blocks that enable rapid application development and speed up your time-to-value.



Data Integration



Sensors & Gateways



Control Systems



Data Historians



SAP



IBM Maximo



Other Enterprise Systems



LIMS/Quality



Applications & Visualizations

- ▶ Use-case Driven Dashboards
- ▶ Rich Charting Library

- ▶ Time Series Trends
- ▶ Tables

- ▶ Map Views
- ▶ Forms

- ▶ Fully Customizable UI Frames



Digital Twin & Data Models

- ▶ ISA-95 Data Types
- ▶ PlantOS Type Enhancements
- ▶ Model Cataloging & Extendability
- ▶ Digital Twin Builder
- ▶ KPI Builder



Data Management & Cataloging

- ▶ Sensor Tags
- ▶ Events
- ▶ Schemes
- ▶ KPIs Cases
- ▶ Scripts
- ▶ Knowledge Models
- ▶ Machine Learning Models



Analytics Framework

- ▶ OT-IT Integrated Data Warehouse
- ▶ Use-case Driven Virtual Tables
- ▶ Digital Twin - Data Warehouse Pipeline
- ▶ Bi-dimensional Analysis



Processing & Persistence

- ▶ Time-series Data Historian
- ▶ Unstructured Data Storage
- ▶ Real-time Sensor Data Storage

- ▶ Stream Processing
- ▶ Batch Processing

- ▶ Rich Event Generation Framework
- ▶ Event Builder UI

- ▶ Flow Builder UI
- ▶ ETL Rule Engine



Deployment



Server



Cluster



Multi
Data-Center Cluster

On-Premise



amazon
web services

Microsoft Azure

Google Cloud Platform

Cloud

About INTECH Process Automation

For 30 years, INTECH has been helping industrial businesses enhance process visibility, control, and reliability in their industrial plants and assets. Now, in a rapidly evolving digital world, we are here to partner with you in bringing out the best your facilities have to offer through full enterprise visibility and AI-based insights and analytics.



13 Offices
Around the
World



450+
Global
Employees



Projects
in over 40
Countries



2000+
Projects
Since 1991

Americas

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