



INDUSTRIAL IOT SOFTWARE FOR MANUFACTURING OPTIMIZATION

Your Intelligent Automation Partner
Delivering the Factory of the Future

DIGITAL MANUFACTURING OPTIMIZATION

LEVERAGING IIOT & AI IN ADVANCED MANUFACTURING



Plataine's Industrial IoT and AI-based optimization solutions for advanced manufacturing provide intelligent connected Digital Assistants that empower manufacturers to make optimized decisions in real-time, every time. Our solutions easily integrate with your existing infrastructure, helping you increase material utilization, improve productivity, quality and quality control.

SOLUTION BENEFITS

- Increased production throughput
- Reduced re-work & waste
- Enhanced visibility by real-time tracking factory floor assets.
- Improved quality & quality control by full traceability of the Digital Thread from raw material to end product
- Improved auditability and audit readiness
- Defect repetition prevention by automatic tool utilization and work cycles tracking
- Increased staff efficiency through paperless and streamlined production environment
- Cloud-based solution with minimal upfront expenditure. Faster ROI.
- Enterprise-Class Security. FedRAMP and ITAR compliant solutions that meet regulatory requirements.

CUSTOMERS & PARTNERS

Plataine's patent-protected technologies are used by leading manufacturers, and its partnerships help advance the 'Factory of the Future' worldwide.



EASY INTEGRATION, SMOOTH DEPLOYMENT

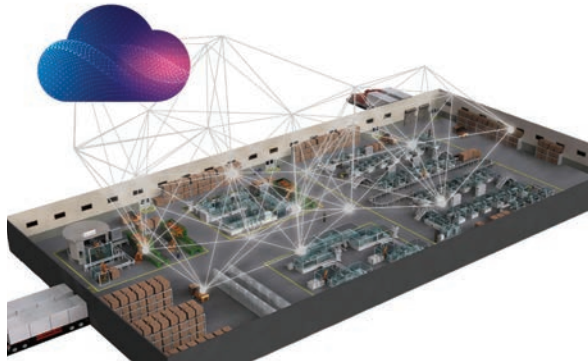
Our customers enjoy quick integration with ERP, MES, Inventory Management Systems and other existing systems to ensure the continuity of information flow with absolutely no disruption to your on-going production.

MATERIAL & ASSET TRACKING

Digitally integrates with factory floor sensors (RFID, BLE, Barcode), collecting real-time data on all critical assets' location & condition in real-time throughout the entire manufacturing process.

MATERIAL SHELF LIFE MANAGEMENT

Automatically calculates materials exposure time left in real-time and assigns best material for job. Tracks remaining shelf-life and validates that jobs will complete on time, while maximizing material usage.



TOOL TRACKING & SERVICE

Tracks tools' location and status while optimizes maintenance and service. Locates missing and misplaced tools to reduce disruption due to tools' availability.

WIP OPTIMIZATION

Locates and tracks all types of WIP (Work In Process). Shows work order progress and warns if it is in risk of being late. Reduces errors, promoting accuracy and allowing greater visibility throughout the entire order fulfillment including AI-based bottlenecks prediction.

INTEGRATION WITH GOOGLE GLASS ENTERPRISE EDITION

Provides sophisticated AI algorithms augmented by Google Cloud's Dialogflow functionality, to deliver real-time insights and recommendations allowing for complete hands-free digital communication with the system to resolve factory floor challenges.



QUALITY CONTROL & AUDIT

Digitally logs every step in the production process, improving quality control and audit readiness, through full traceability of the Digital Thread from raw material to end-product and back.

SUPPLY CHAIN COLLABORATION

Spanning the Digital Thread beyond the factory, across the entire supply chain to other factories, suppliers, and distribution centers, ensures uniformity and increases visibility.

CUTTING & KITTING FabricOptimizer

Automatically optimizes cut plans to order, always fetching the latest geometries while providing real-time progress tracking of all cutting & kitting operations.

Plataine is the leading provider of Industrial IoT and AI-based optimization solutions for advanced manufacturing. Plataine's solutions provide intelligent, connected Digital Assistants for production floor management and staff, empowering manufacturers to make optimized decisions in real-time, every time.

Plataine's patent-protected technologies are used by leading manufacturers worldwide, including **Airbus, Boeing, GE, Renault Sport Formula One™ Team, IAI, Triumph, General Atomics, TPI Composites, PCC, Steelcase and MT Aerospace.**

Plataine partners with **Google Cloud, Siemens PLM, McKinsey & Company, TE Wire & Cable, the AMRC with Boeing, and CTC GmbH (an Airbus Company)**, to advance the 'Factory of the Future' worldwide.

For this work, Plataine has received a Leadership Award from Frost & Sullivan and Innovation Awards from the JEC and CompositesUK organizations, as well as the Shanghai Society of Aeronautics (SSA).

FOR MORE INFORMATION

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