



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 & yield
- Reduced production costs, re-work & waste
- Digitalization replaces paperwork, spreadsheets & manual tasks
- 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. ISO 27001 certified, 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 TRACKER

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.

PRODUCTION SCHEDULER

AI-based algorithms automatically create & optimize plans to maximally utilize your factory floor resources, ensuring on time delivery, considering variable demand and available resources such as machines, material and tools.

SHELF-LIFE MANAGER

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.

QUALITY MANAGER

Collects sensor data enabling improved quality control. Advanced AI-based tools offer predictions and identify root-cause for quality issues, creating full digital traceability and ensuring full compliance with regulations and audit processes.

TOOL MANAGER

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

WIP OPTIMIZER

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.

SUPPLY CHAIN MANAGER

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

FABRIC OPTIMIZER

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

MANUFACTURING OPTIMIZATION

Leverages Industrial IoT & AI-based technologies to digitize factories, track & trace all tools, parts and materials, creating the digital twin and allowing full traceability of the Digital Thread from raw material to end-product.

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, GE, Renault F1® Team, Stelia North America, Muskogee Technology, IAI, Triumph, General Atomics, TPI Composites and Ethan Allen.

Plataine partners with Siemens PLM, McKinsey & Company, VIRTEK, the AMRC with Boeing, and CTC GmbH (an Airbus Company), and is also a part of the National Composites Centre (NCC) membership network, 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). Plataine is ISO 27001 certified for compliance with information security management requirements.

For more information, visit: www.plataine.com.

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