



**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



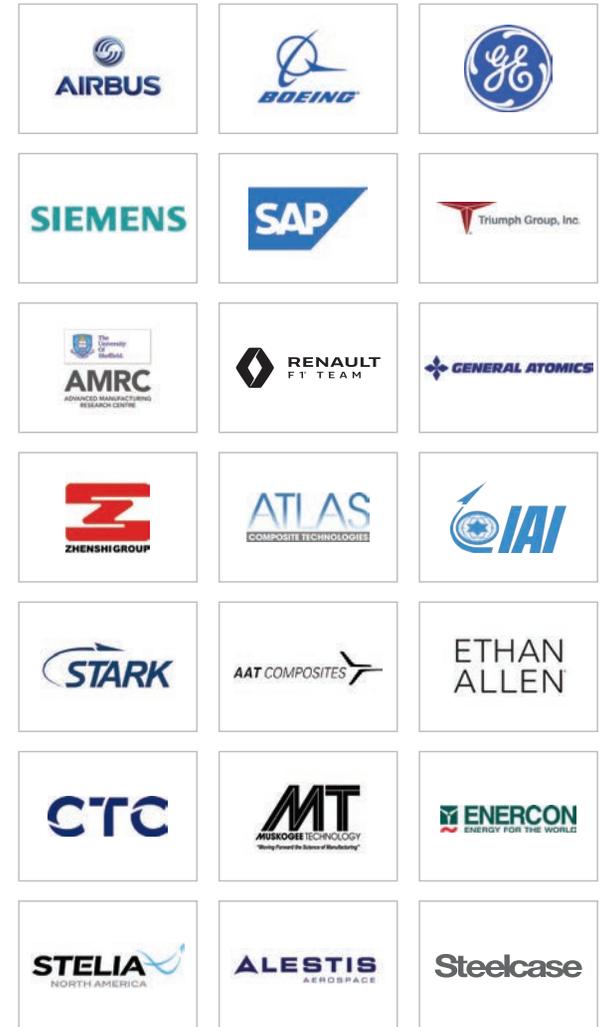
Plataine's Industrial IoT and AI-based optimization solutions for advanced manufacturing provide intelligent connected Digital Assistants that empower manufacturers to make optimized decisions in real-time, every time. Our solutions easily integrate with your existing infrastructure, helping you increase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

TOOL MANAGER

Tracks tools' location and status while optimizing 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 at risk of being late. Reduces errors, promoting accuracy and allowing greater visibility throughout the entire order process including AI-based bottlenecks prediction.

FABRIC OPTIMIZER

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

DIGITAL THREAD

Creating the asset's full genealogy by correlating material, operations and resources to parts and assets. Documenting every step of the production, enabling improved insights into the process. Digital thread helps manufacturers meet the strict quality requirements, full compliance and enabling audit readiness while remaining profitable and competitive.

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 intelligent, connected Digital Assistants take manufacturing to the next level by automating and optimizing decision flows on the production floor. Plataine's cloud-based solutions predict future events on the production floor, provide actionable insights, alerts and recommendations, empowering production management and staff to make optimized decisions in real-time.

Plataine's patent-protected technologies are used by leading manufacturers worldwide, including Airbus, GE, IAI, Triumph, Renault F1® Team, Stelia North America, Alestis, Enercon, TPI, Kaman, IFS and Ethan Allen. Plataine partners with SAP, Siemens PLM the Advanced Manufacturing Research Centre (AMRC) with Boeing, and CTC GmbH (an Airbus Company), and is also a part of the UK 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. Plataine is ISO 27001 certified for compliance with information security management requirements.

FOR MORE INFORMATION

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