

**PLATAINE**<sup>®</sup>  
people-smart automation

Super  
Visibility  
Powers

Super  
Scheduling  
Powers

Super  
Connectivity  
Powers



**AI SOFTWARE SOLUTIONS GIVE  
YOU SUPERPOWERS TO OPTIMIZE  
YOUR MANUFACTURING**

Your Intelligent Automation Partner  
Delivering the Factory of the Future

# Digital Manufacturing Optimization

## LEVERAGING AI AGENTS TO MEET YOUR PRODUCTION DEADLINES & GROWTH GOALS



Plataine's AI agents optimize, digitize & automate manufacturing to help you make optimized decisions in real-time, every time.

Our cloud-based solutions easily integrate with your existing infrastructure, helping you to increase efficiency, productivity and improve on-time delivery.

### Solution Benefits

- Increased production throughput and yield
- Reduced production costs, re-work and waste
- Digitalization replaces paperwork, spreadsheets and manual tasks
- Enhanced visibility at your factory and across the supply chain
- Improved quality and quality control by full traceability of the Digital Thread from raw material to end product
- Enterprise-Class Security. ISO 27001 certified, FedRAMP and ITAR compliant solutions that meet regulatory requirements

# Key Applications

## **PLANNING & SCHEDULING**

Smart and connected AI Agents automatically create and optimize production plans in seconds and maximize the use of your factory floor resources. They ensure on-time delivery and 100% visibility while quickly responding to changes on the factory floor. 'Ability to Promise' Agent determines if you have the capacity to commit to additional work orders. Simulate scenarios & optimize strategies with Sandbox, without affecting your live production.

## **TIME SENSITIVE MATERIAL MANAGER**

AI Agents streamline and optimize the management of time-sensitive materials, ensuring materials are tracked, monitored, and utilized efficiently to minimize waste, prevent delays, and maximize production outcomes. Material Selection Agent assigns the best material for each job while automatically creating material pick lists.



## **TOOL MANAGER**

Plataine Agents track tools' location and status while optimizing maintenance and service. Tool Agents assign tools to jobs and locate missing and misplaced tools to reduce disruption due to tools' availability.

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## **FABRIC OPTIMIZER**

Cut Plan Optimization Agent automatically creates optimal cut plans according to the required work orders, constraints, machines and material types. The solution avoids material waste and provides 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.

## **SUPPLIER CONNECTIVITY MANAGER**

The solution boosts operational efficiency and supply chain collaboration by streamlining operations across OEM, suppliers, material suppliers and customers. AI agents automate shipping and receiving and deliver a holistic view of material full genealogy across its entire lifecycle, from Digital Passport of the raw material to the full Digital Thread of the finished part.

## **3D LIVE MAP SOLUTION**

Streamlines operations for enhanced visibility & control of production processes. Map view application enhances productivity and drives business growth. Supply Chain Agent provides information about order delays and helps to manage customer expectations.



# 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 and other existing systems with no disruption to your on-going production.

# About Plataine

Plataine is the leading provider of Industrial AI-powered optimization solutions for advanced manufacturing. Plataine's enterprise grade, intelligent, connected AI Agents empower manufacturers to make optimized decisions in real-time, every time.

Combining state-of-the-art AI with deep manufacturing expertise, Plataine's cloud-based solutions continuously assess the production floor's current status and predict future events. AI Agents provide real-time insights, alerts, and recommendations, empowering production teams to make optimized decisions with confidence.

Plataine's patent-protected technologies are used by leading manufacturers worldwide, including Airbus, IAI, Triumph, MRAS (an ST Engineering company), Acituri, Kineco-Kaman, Tata, Kanfit and Qarbon Aerospace.

For this work, Plataine has received Frost & Sullivan's 2025 Technology Trailblazer Award for Agentic AI for Manufacturing and Innovation Awards from the JEC. Plataine received SME's 2021 Excellence in Composites Manufacturing Award and awards from CompositesUK organizations.

FOR MORE INFORMATION

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