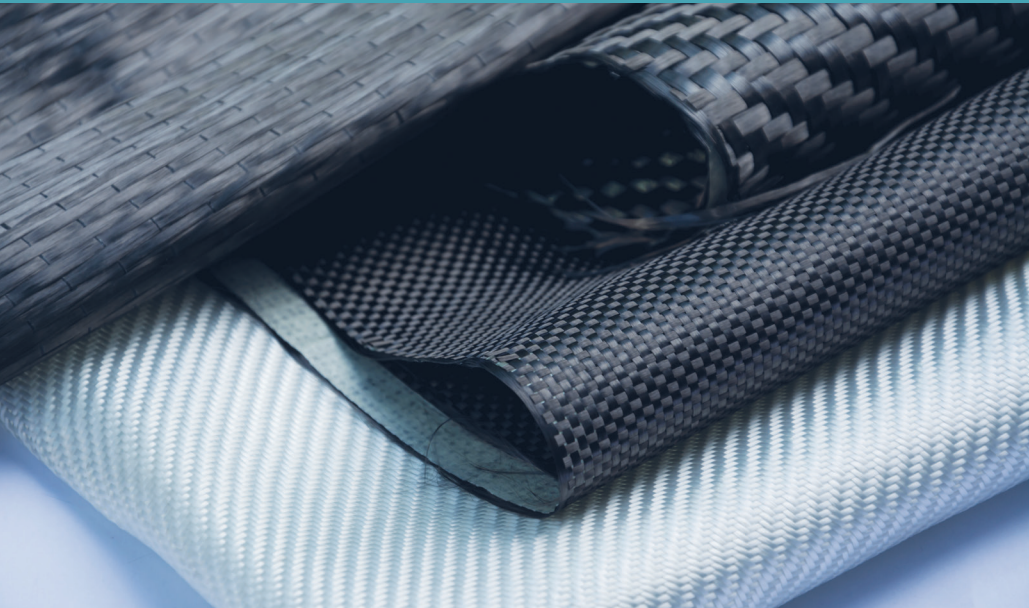


IIoT & AI-based Cloud Software Solutions FOR COMPOSITES MATERIAL MANUFACTURERS



OVERVIEW

Plataine is the leading provider of AI-based and IIoT optimization solutions for advanced manufacturing. Our TPO (Total Production Optimization) suite offers intelligent, connected Digital Assistants for production floor management and staff, empowering manufacturers to make optimized decisions in real-time. An easy integration with your existing data sources provides you with an end-to-end solution to digitize manufacturing, manage inventory in real-time and offer a digital ID card with complete process history to your customers, of every roll you produce.

A FULLY AUTOMATED SOLUTION



Resin blocks

- Creation
- Record recipes (powder and mix)
- Monitor shelf-life



Resin films

- Creation
- Correlate to resin blocks
- Shelf-life



Prepreg rolls

- Creation
- Correlate resin films
- Shelf-life

Full Genealogy & Traceability for Every Roll you Produce

We focus on your improvement areas

- Managing and monitoring sensitive materials automatically
- Efficient inventory management in real-time
- Digitizing manufacturing and storing genealogy
- Selecting the right material for the job
- Sharing digital history with customers (e.g. fault log)

Digital Assistants

- **Material & Asset Tracker**
Real-time inventory management and smart selection of resin blocks
- **Production Scheduler**
Optimized production schedule that maximizes utilization of your factory resources
- **Shelf-life Manager**
Automated shelf-life and exposure time recording of in and out of freezer times
- **Digital Thread**
Fault log, transport data and genealogy

Quick Deployment

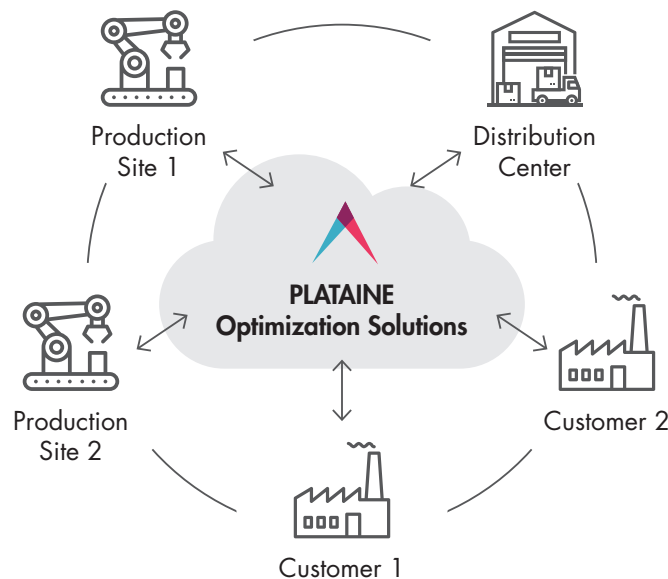
- Cloud software, no installation needed
- Completely configurable, no coding
- Easy integration to existing enterprise systems
- No disruption to daily production

Digital Thread: Full traceability & auditability

- Full digital traceability
- Transportation data
- Genealogy back from the recipe to the prepreg roll
- Audit ready data



Scale Up Beyond the Factory Level



Plataine AI-based Applications

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 are completed on time, while maximizing material usage.

DIGITAL THREAD

Plataine maintains full traceability of the Digital Thread, documenting every step in the process chain, including fault log, transport data and genealogy per each produced roll, enabling improved AI for quality control.