

SHIPMENT TRACKING



INDUSTRY: Aerospace & Defense

WEBSITE: sekisui-aerospace.com

ABOUT SEKISUI AEROSPACE

SEKISUI Aerospace is a tier-2 aerospace manufacturer with 30+ years of experience in designing, testing, and manufacturing composite products. They specialize in carbon fiber, thermoplastics, aerospace interiors, structural composites, composite tooling, ducting, and engineering services. Their commitment to manufacturing excellence and complete customer satisfaction is reflected in the company's high-quality products. SEKISUI Aerospace is dedicated to driving the future of flight through intelligent automation and the dedicated efforts of their skilled employees.



”We completely eliminated missing plaster shipments, it's not an issue anymore”

— Julie Traweck, Sr. Product Manager, Industry 4.0

Streamlining shipments between facilities

OVERVIEW

SEKISUI Aerospace faced significant challenges with their internal shipments of single-use plaster tooling, including 600 missing shipments per month, 30% on-time delivery performance, and customers parked in offices asking for parts. Their key challenge was rooted in the initial production process: the daily creation of hundreds of single-use plaster layup tools in a satellite facility managed on paper. Any delay at this stage had a domino effect, disrupting downstream operations and negatively impacting on-time delivery.

CHALLENGES

- **Production Delays:** Delays in plaster operations have a cascading effect on downstream operations, negatively impacting on-time delivery performance.
- **Missing Shipments:** The company regularly faced 600 missing internal shipments per month, resulting from delivery errors, misplacement, or loss.
- **Paper-based dispatch system prone to errors:** Inadequate for high customer demand and dynamic production planning.
- **Inefficient manual barcode scanning:** Excessive time-consuming manual scanning, disliked by team members, unsuitable for production environment.

SOLUTION

- **Leveraged Xemelgo's intuitive cloud-based software** to manage 580 daily shipments between three facilities.
- **Applied RFID tags** directly to single-use plaster tooling and deployed 20 RFID readers in shipping and receiving areas to automatically track shipments without manual barcode scanning.
- **RFID enables users to easily locate shipments** using "Search-and-Find" and Xemelgo's mobile app.

RESULTS

Eliminated Missing Shipments

Decreased from 600 to 0 monthly, improving on-time delivery and streamlining operations.

Increased Productivity 125%+

With average plaster production increasing from 4 per-person per-day to 9.

Avoided Direct Headcount Increase

When aerospace production rates resumed post-COVID.

