

A Global Geosynthetics Manufacturer

Enhancing **Finance, Production, and Supply Chain Operations** with D365 and Microsoft Fabric



About the Company

A world leader in geosynthetic manufacturing, delivering sustainable solutions for civil and environmental infrastructure projects. With operations across 32 legal entities, 10+ manufacturing units, and 19 warehouses spanning 4 continents, the company specializes in geosynthetic materials used in construction, mining, and environmental protection.

Industry

Geosynthetics Manufacturing

Workforce
3,500+

Presence

North America, Europe, Asia, Australia, and Africa

Service



D365 Finance & Supply Chain Management



D365 CE



Power BI with Microsoft Fabric



Power Automate



Quality Automation



SecureD365



Document Management



Transportation & Banking Integration



Dual Write Integration



Advanced Production & Quality Automation

Solution

Global ERP Standardization

Implemented a Greenfield rollout of D365 Finance & Supply Chain Management across 32 entities, supported by a unified global template for standard processes and reporting.

01

Finance Optimization & Automation

Standardized AR/AP processes, automated accruals, and integrated HSBC banking systems for faster and compliant financial transactions.

02

Advanced Production Planning

Deployed drag-and-drop scheduling and machine capacity planning with real-time adjustments for breakdowns and resource changes.

03

Quality Management Automation

Integrated Instron machines for automated test data capture and ISO/ASTM standard validation using color-coded quality tracking.

04

Supply Chain Modernization

Implemented Advanced Warehouse Management with mobile scanning, reservation hierarchies, and inter-warehouse transfers for real-time inventory control.

05

Transportation Optimization

Integrated MercuryGate TMS with D365 to automate load planning, improve truck utilization, and streamline freight cost management.

06

Data & Reporting Modernization

Replaced legacy ETL with Microsoft Fabric-powered Power BI for unified, real-time dashboards and global reporting refreshed every 3 hours.

07

Document Management System

Integrated Datahaven for secure, centralized, and structured document storage within D365, improving audit readiness and compliance.

08

Results and Outcomes

- Standardized finance and operations across 32 legal entities and 4 continents.
- Reduced Power BI report refresh times from hours to every 3 hours.
- Automated production, quality, and financial workflows, minimizing manual effort.
- Achieved real-time visibility into global manufacturing and logistics performance.
- Reduced freight costs, improved truck utilization, and shortened delivery cycles.
- Streamlined accounts payable and receivable processes for faster closures.
- Enhanced audit readiness and compliance with centralized document control.
- Improved transparency, data consistency, and productivity across all entities.