



SOLUTION

Data Collection and Digitalization

INDUSTRY

Chemicals

RAMPING UP VISIBILITY FOR POLYESTER FILM MANUFACTURER

END-TO-END INTEGRATION OF COMPLEX MANUFACTURING PROCESSES

A global giant in polyester film manufacturing was struggling to maintain control of its manufacturing operations. Serving different industries from multiple plants, the firm's production processes are complex and diverse, manufacturing bulk films and custom orders to exacting specifications. A lack of integration between the firm's SAP solution and shop-floor systems was muddying supply chain visibility. The firm wanted to run all of its global divisions on SAP but custom legacy systems deployed at some plants weren't built to integrate with standard ERP.

We were tasked with bringing the divisions into line, providing a data collection solution that could integrate seamlessly with SAP, without sacrificing configurability to each plant's specific needs.



Data Collection and Digitalization tracks, records, and reports on critical process data across diverse production lines and staging areas, feeding data directly into SAP. With no gaps in visibility, even when SAP is down, the company can rely on its data to deliver accurate insights that optimize operations.

CHALLENGES

- Vast manufacturing operations with multiple plants and complex multi-line production processes
- Lack of integration between SAP and shop-floor systems was impacting visibility, productivity, and efficiency
- 24/7 data collection was essential to maintaining visibility, even during SAP or network outages
- Integration with SAP was critical but also ease of configurability to support rollout to other global plants

BENEFITS

- End-to-end visibility across complex multi-line manufacturing processes
- Significant gains in operational efficiency
- Real-time integration with SAP with 24/7 data collection, even during downtime
- Fast and cost-effective rollout to the division's other plants

SOLUTION

- Data Collection and Digitalization tracks products and materials at the item level across the entire supply chain
- Real-time integration of SAP with multiple manufacturing lines, staging areas, and post-production
- Continuous data collection, storage, and forwarding ensures data integrity during SAP outages
- Prebuilt yet configurable processes were quick and easy to tailor to the company's requirements