

SAP S/4HANA: Reshoring Critical Manufacturing

How a U.S. pharmaceutical manufacturer turned a newly acquired 394,000-square-foot facility into a compliant, SAP-driven production site.

- **Industry:** Pharmaceutical Manufacturing
- **Solution:** SAP S/4HANA, SAP ALE, OTC Automation, LIMS Integration
- **Scope:** Manufacturing operations, logistics integration, batch traceability, and compliance enablement



The Challenge

A leading US pharmaceutical manufacturer acquired a 394,000-square-foot manufacturing facility to restore domestic production of critical antibiotics. The inherited SAP environment contained legacy data, lacked brand-specific configurations, and required rapid transformation to support compliant pharmaceutical operations.

The organization needed a reliable digital foundation to enable seamless manufacturing, logistics coordination, batch-level traceability, and regulatory readiness.

The Solution

ITRadiant executed a rapid SAP S/4HANA 1709 migration and system transformation program, establishing a streamlined platform for pharmaceutical manufacturing operations.

Key solution highlights included:

- **SAP S/4HANA Migration & Optimization:** Cleansed legacy data and configured the system to support the new operating model.
- **Integrated Logistics Operations:** Connected third-party logistics (3PL) networks using SAP ALE for seamless data exchange.
- **Automated Order-to-Cash Processes:** Implemented streamlined OTC workflows to improve operational efficiency.

- **Enhanced Traceability & Compliance:** Enabled batch-level inventory tracking, FDA-aligned validation processes – Operational, Installation, and Performance Qualification (OQ/IQ/PQ), and LIMS integration.

Business Impact

The transformation enabled the pharmaceutical manufacturer to rapidly establish a compliant, scalable, and efficient domestic production ecosystem.

Key outcomes included:

- Enabled timely restart of critical domestic antibiotic manufacturing operations
- Achieved end-to-end batch traceability across manufacturing and logistics processes
- Improved coordination with 3PL partners through integrated systems
- Automated goods receipts and reconciliation processes for greater operational accuracy
- Strengthened compliance readiness through validated digital processes

The solution provided a robust SAP foundation that improved manufacturing reliability, enhanced supply chain visibility, and supported the delivery of essential medicines to the market.

