

Real-Time Traceability, Built for Life Sciences

How a national organ procurement and regenerative medicine innovator gained real-time inventory traceability across a highly regulated supply chain.

- **Industry:** Life Sciences / Regenerative Medicine
- **Solution:** SAP Enhancements, RF Optimization, ALE Integration, S/4HANA Readiness
- **Scope:** Inventory traceability, order management, master data automation, and compliance enablement



The Challenge

A leading global organ procurement organization and regenerative medicine innovator required greater operational control across its critical healthcare supply chain.

Legacy RF processes lacked real-time serial number scanning, bin-level validation, and streamlined inventory tracking capabilities, creating challenges in traceability, operational efficiency, and compliance across highly regulated processes.

The Solution

ITRadiant redesigned and optimized SAP processes to create a more intelligent, automated, and scalable operational framework.

Key solution highlights included:

- **Enhanced RF Capabilities:** Enabled 18-character serial number scanning and dynamic BIN validation directly through RF devices for improved inventory accuracy.
- **Optimized Order Processing:** Developed custom SAP transaction frameworks (ZVA01) to accelerate multiple sales order scenarios and overcome legacy limitations.

- **Automated Master Data Integration:** Implemented ALE-driven (Application Link Enabling) data flows to improve consistency and reduce manual intervention.
- **S/4HANA Readiness & Document Optimization:** Improved system architecture and Adobe Document Services (ADS) execution to support future transformation initiatives.

Business Impact

The transformation strengthened operational precision, compliance readiness, and scalability across critical life sciences processes.

Key outcomes included:

- End-to-end inventory traceability through enhanced serial number and bin-level tracking
- Faster and more efficient order processing across multiple business scenarios
- Improved data accuracy through automated master data synchronization
- Enhanced compliance alignment with industry standards including AATB, FDA, ISO 13485, and UNOS
- Established a scalable SAP foundation supporting future S/4HANA transformation

The solution enabled the organization to operate with greater confidence, ensuring that technology supports the precision, reliability, and compliance required in life-saving healthcare operations.

