



## **SOLUTION**

Edge Warehouse Solution

## **INDUSTRY**


Pharmaceuticals

# **HOW A PHARMACEUTICAL MANUFACTURER MODERNIZED SERIALIZED OPERATIONS AND STREAMLINED REGULATORY COMPLIANCE**

A U.S.-based pharmaceutical company with operations in New York and Ohio, develops, manufactures, and sells generic and branded specialty injectables, including human and animal health products. Facing the need to reduce operational complexity and ensure DSCSA compliance, the company turned to Antares Vision Group to harmonize its serialization and warehouse workflows across its facilities.

Their existing legacy serialization system had limited functionality and did not provide the necessary functionality for enhanced operations in the warehouse. While the company's ERP and line-level serialization systems were not up for replacement, the fragmented environment made it difficult to maintain compliance and efficiency.

Antares Vision Group was selected to deploy a modular, integrated solution that could centralize warehouse and serialization processes, enable compliance, and support advanced scenarios, such as sampling, all while maintaining compatibility with existing legacy infrastructure and delivering rapid results.



"Antares Vision Group gave us more than just a replacement system - they delivered a complete solution that aligns with our business, ensures compliance, and supports the high volumes we process daily. The flexibility of the Edge platform and the team's responsiveness have made a real difference."

**Director of Supply  
Chain Operations**

## CHALLENGES

- Fragmented operations across ERP (BPCS), serialization (Optel), and warehouse systems
- Regulatory requirements for automated, tamper-proof audit trails
- Special treatment for animal health products not subject to DSCSA (no EPCIS reporting)
- Need for custom sampling capability, enabling unpacking of serialized items from a case and relabeling
- Aggressive timeline with multi-vendor coordination

## BENEFITS

- Unified and compliant warehouse-serialization environment
- Full FDA-ready audit trail: automated, immutable, and accessible for record retention
- Customized sampling workflows with detailed EPCIS events
- Seamless integration with legacy ERP (BPCS) and serialization system (Optel)
- Significant increase in operational efficiency and accuracy
- Reliable support and rapid response to change requests
- Maintains serialization logic without disruption to existing operations
- Trusted, high-usage system for hundreds of daily transactions across two facilities

## SOLUTION

Antares Vision Group deployed its Edge Warehouse solution as the operational backbone between the manufacturer's ERP and serialization environments. The system manages all warehouse and serialization transactions, while maintaining full compliance and providing tailored functionality, including:

- **Integrated Transaction Set (17 types)**
  - Receiving: PO-based and return goods
  - Shipping: Pick/Pack, End-of-Day shipments
  - Serialization Utilities: Create/Decommission SSCC, Add/Remove Items, Reprint, Inquiries, Aggregation
  - Rework & Sampling: Remove serialized units from case, relabel remaining inventory
  - Administration: Manage business rules, reason codes, material UOM, and clearing orders
- **Reporting Suite (5 reports)**
  - Audit Trail
  - Sales Order Status
  - Packing Details
  - Real-time tracking between ERP and serialization systems
- **Custom Functionality for Animal Health Products**
  - Serialized but exempt from EPCIS reporting, handled with tailored logic
- **Scalable Usage**
  - Deployed across two U.S. manufacturing sites
  - Actively used for daily high-volume shipments and large single orders
- **Delivered in under 3 months**

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