



DMLogic Delivers Lot Tracking

When a pharmaceutical manufacturer decided to replace their existing lot tracking system, they turned to DMLogic for help.

PRODUCT RECALLS

The crisis of a pharmaceutical drug recall is no time to second-guess an inventory management system. Tracking and notification require speed and pinpoint accuracy, not just because the FDA requires it, but also because the welfare of patients and consumers may be on the line. A recall is a costly and critical undertaking and it can succeed only if quality systems are in place. So when a global pharmaceutical manufacturer decided they had to replace their existing lot tracking system, they called on the consultants at DMLogic.

EXPERIENCE MATTERS

DMLogic consultants hold deep experience with pharmaceutical inventory and distribution operations, making us uniquely qualified to answer this challenge. In fact, DMLogic

fingerprints can be found in the systems of many of the world's top pharmaceutical companies, because we understand the business requirements, the inventory systems, and the rigors of validating such crucial systems.

Managing the software had become a major expense with increasing potential to jeopardize the customer's ability to manage a recall.

INTEGRATING OLD AND NEW

The customer was decommissioning their old mainframe based lot recall system, deployed originally in 1985. As is often the case, the system had been customized throughout the decades by internal personnel who had since left or retired. Managing the software had become a major expense with increasing

potential to jeopardize the customer's ability to manage a recall. An additional complication came from the fact that the customer had acquired other companies and systems throughout the years. Their existing lot tracking system had consolidated data from these multiple systems, including other mainframes as well as AS400's used by manufacturing, and from the MARC warehouse management system from RedPrairie.

The customer presented a list of critical requirements for the new system. Among them, the system had to be able to:

- *Collect lot information from each existing system*
- *Report on the disposition of all of the inventory of the lot, including shipments, transfers and current inventory*



- *Expand its capabilities to include a real-time global view of existing inventory across all systems and facilities*
- *Include a user-friendly web-based front end in the new system to allow it to be accessed from any location*
- *Comply with rigorous internal standards and procedures for application development*
- *Include a system validation and security framework.*

DMLogic consultants, designers and supply chain professionals rolled up their sleeves and got to work.

ON TIME AND BEYOND EXPECTATIONS

In less than a year, and in concert with the customer's critical schedule, the DMLogic consultants designed, developed and delivered the application. Four months later, after extensive testing, the system was deployed for production use.

The new Lot Tracking and Recall system allows this pharmaceutical company to quickly initiate a required recall in compliance with FDA directives. The system generates a series of reports so that the Quality Assurance department and contracted third parties can review the shipment history and alert all recipients of the recall. The system continuously updates the status of the recall with full audit capabilities and restricts lots still in inventory to ensure they do not ship.

Our approach improved more than their recall system. The new system now displays existing inventory across their supply chain, including in-transit inventory. Plus, the system houses all archived lot data, whether from prior systems, acquired companies or joint ventures.

The company acknowledged our consultants efforts with an award for the system's reliability, fast performance, accuracy, and for its clean and intuitive user interface.

- See our **ePedigree** and **Clinical Trials** case studies to learn more about the solutions we have delivered to our pharmaceutical customers.

About DMLogic

DMLogic is a team of senior supply chain consultants with decades of experience solving challenges for our customers.

Our capabilities include warehouse management systems, material handling systems and process and facility design for distribution operations.

Our experience includes pharmaceutical, automotive, electronics, retail, publishing and third party logistics.

Our team has provided solutions for Fortune 100 companies in the US and abroad, as well as for smaller companies in the US.

Our customers will attest: DMLogic builds partnerships for the long term, with a solid reputation for customer service and quality work.

DMLogic: a strong partner for companies looking to solve the complex challenges of managing their inventory.

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