DCT Solutions Group – Case Study

Enterprise WMS Modernization in 90 Days

Business Case:

Our client is a leading provider of products and services to the electric utility, telecommunications, tree care, lights and signs, and contractor markets operating in 100 countries throughout the world. They operate 26 parts and service facilities in North America and stock over 35,000 items. They also operate on a global Oracle platform including Oracle WMS.

Initially, they contacted DCT to inquire about adding a new parts label and mobile printers for their St. Joseph, MO facility. In addition, the management team desired a process change that would allow them to label each part individually during order fulfillment. The team was also looking for new mobile computers with bigger displays and a modern operating system.

Proposed Solution:

DCT conducted Discovery sessions with our clients key Industries personnel reviewing current WMS processes and technologies and evaluating alternatives to streamline and modernize operations. The key challenge facing the team was that no changes could be made to the global Oracle WMS system. After conducting several fact-finding meetings, DCT proposed using the Velocity telnet client from Ivanti in conjunction with Getac 8” Android tablets, ProGlove wearable scanners and Zebra portable printers to create a modern user experience and add the desired new functionality at the device level.

Project Planning:

DCT facilitated a detailed Requirements Definition process with their key Industries stakeholders to document current state and future state warehouse processes.

A variety of mobile computers, scanners, printers and mounting solutions were evaluated for technology compatibility, suitability to task, durability and cost. Warehouse processes and WMS transactions were evaluated and areas of improvement were identified to streamline and modernize operations.

All processes were documented and the existing Oracle screens captured. These activities resulted in a formal Statement of Work with roles, risks, responsibilities, timelines and budgets.

Project Execution:

Initial Prototypes: DCT developed four UI prototypes to ensure that the new application would be easy to understand, easy to train and easy to support by front line personnel.

Development: DCT utilized Velocity software to transform the legacy Telnet application into a full GUI interface utilizing Java Script and CSS.

Hardware Staging and Configuration: All hardware was procured tested, configured and kitted.

Testing: Full unit, system and regression testing took place throughout the development process.

On Site Installation and Training: DCT personnel spent time on-site working side by side with management and end users to address last minute issues.

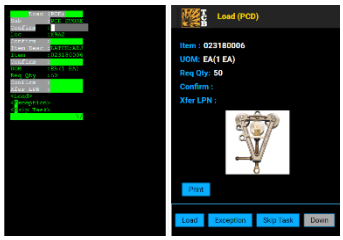
Go live support: DCT operated in a “Hyper Care” mode through project roll-out to make sure any final changes or bugs were addressed immediately.

Results:

Our client began deploying the system approximately 90 days after the initial Discovery sessions. In addition to the new GUI, warehouse personnel now have the ability to label each part as it is picked. Images of all parts were added to inventory transactions, greatly reducing errors. Productivity was increased by giving users the ability to perform operations off the fork truck via the Bluetooth ProGlove scanners and the larger screen of the Getac Tablet. The initial location is fully deployed and the system is being rolled out company wide.

Partners:

Getac: ZX70 8 inch Android tablet w/ Power Converter for fork truck
ProGlove Mid-Range Wearable Scanner
Zebra ZQ 500 mobile printers.
Ivanti: Velocity TelNet client.



About DCT Solutions Group

Whatever the challenge, chances are we can develop and deliver a smarter solution for your business. Since 1996, DCT Solutions Group has provided inventory management software, mobile computers and wireless networks for major corporations and companies across the globe.

Call us today, or visit our website to learn more about DCT!

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