

OYO Geospace Corporation

dcLINK® brings precision to inventory data and processes

OYO GEOSPACE

OYO Geospace Corporation
Houston, Texas, USA
<http://www.oyogeospace.com/>

Challenge

- Improve inventory accuracy
- Manage inventory using real-time data
- Eliminate the work stoppage and expense of full physical inventory audit
- Increase picking speed and accuracy
- Track and manage serialized goods

Solution

- dcLINK®
- JD Edwards EnterpriseOne integration
- Intermec CK31 barcode scanners

Results

- Increased inventory accuracy by 39%
- Eliminated full physical inventory audit
- Increased daily cycle count throughput
- Gained visibility of serialized products
- Increased picking accuracy
- Automated product label capabilities
- Eliminated paper-based processes and manual data entry errors

Challenge

OYO Geospace's dependence on paper-based processes and manual data entry for tracking raw materials and finished goods hindered its ability to manage inventory accurately. The company wanted to enable more efficient cycle counting processes and eliminate the need for a year-end physical inventory.

Solution

After evaluating several options, OYO Geospace selected DSI's dcLINK® with integration to JD Edwards EnterpriseOne to enable uninterrupted data collection and transaction execution as part of the work process.

Employees at the company's facilities in Houston, Texas, and Calgary, Alberta, Canada, now use dcLINK and Intermec CK31 wireless barcode scanners to work more quickly and efficiently as they execute daily tasks. "We now use dcLINK in our inventory management, purchase order receiving, work order management, and product labeling processes," said Todd DeLoach, Warehouse Manager at OYO Geospace.

Results

Using dcLINK, OYO Geospace achieved its primary goals for improving inventory accuracy and streamlining processes. dcLINK guides users as they work, enabling them to work quickly and accurately.

"The benefits we've seen so far have gone beyond initial expectations, especially with the flexibility of the system," said Bobby Hoeflich, IT Director for OYO Geospace.

"We're able to keep everything real-time by using dcLINK."

*Todd DeLoach
Warehouse Manager
OYO Geospace*

"With dcLINK, our inventory accuracy is the best it's ever been."

*Bobby Hoeflich
IT Director
OYO Geospace Corporation*

Efficiency Begins With A Barcode

For OYO Geospace, efficiency now begins by labeling incoming materials, a process previously done by hand. "With the push of a button, we can now quickly generate accurate barcode labels for our materials inventory," Hoeflich said.

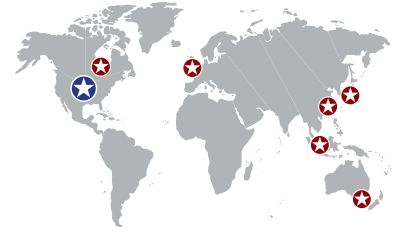
Employees scan the barcodes as they work, sending real-time inventory data to the company's enterprise application. Prior to dcLINK, OYO Geospace's enterprise application did not reflect actual inventory availability in a location, because paperwork was manually generated and processed to move inventory through various locations and stages in the warehouse.

DeLoach explained, "We're able to keep everything real-time by using dcLINK. The transactions happen right away. Now we know immediately that needed items are available and that they have been committed to the work order or the sales order. That's real-time for us, and it's a great, great benefit."





OYO Geospace Corporation designs, manufactures, and deploys seismic instrumentation, reservoir monitoring, cable/umbilical, and thermal imaging solutions used by the global petroleum industry.



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Cycle Counting Improves Inventory Management

Using dcLINK's directed cycle counting functionality, OYO Geospace further eliminated the problems it had experienced with inventory inaccuracies:

- **Improved inventory accuracy by 39%.**
"With dcLINK, our inventory accuracy is the best it's ever been," said Hoeflich.
- **Eliminated the work stoppage and expense of a full physical inventory.**
"It used to take a week to do a full physical inventory. Once, we outsourced it at a cost of \$60,000," stated Hoeflich. "Now that we use dcLINK for cycle counting, we don't need to do a full physical inventory."
- **Increased daily cycle count throughput by more than 165%.**
dcLINK guides workers through the cycle count, enabling them to work quickly and accurately.

"Before dcLINK, we did every cycle count manually. Now, dcLINK enables us to do well over 160 cycle counts per day by scanning information rather than doing handwritten transactions," DeLoach elaborated.

Visibility Aids Tracking Of Serialized Goods

dcLINK also enabled OYO Geospace to gain visibility of individual serialized finished goods and streamline processes associated with their movement:

- **Track serialized finished goods.**
"Previously, we did not have real visibility of serial numbers or where the products were until the products shipped," continued Hoeflich. "Now, we can track individual products by serial number, down to the pallet, case, and location."
- **Manage the movement of 1,000 — or 10,000 — individual serialized finished goods with a single step.**
"We are now able to scan one barcode and know exactly which serial numbers are in a specific case or pallet," said Hoeflich.
- **Associate individual serial numbers with specific work orders.**
"If we find a defect, we can pinpoint every item that came out of that work order and its location in our facility, or the customer who received it," Hoeflich explained.

To further extend benefits gained, OYO Geospace is deploying dcLINK to its other facilities as well as adding functionality to monitor time, labor, and productivity.

"We've only touched the tip of the iceberg of what dcLINK can do," Hoeflich concluded.



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