

# Clinical Medical Provider –Clinic Inventory Management

## Objectives and Challenges

Our client was manually tracking clinic drug inventory, and updating its core SAP inventory and order management with its main supplier. Inventory levels were not being maintained properly, clinics were dependent on a single supplier for replenishment, the clinics and supply chain team lacked visibility into on order and incoming shipments.

## Elyxor Approach

Elyxor and its partner Bar Code Direct were selected to automate data collection, integrate inventory data directly to the drug suppliers, and integrate SAP purchase order and inventory data. Elyxor designed and built a mobile based application and back end solution that allows clinics to collect both inbound and outbound inventory as part of the back-office process. The clinics scan and check in receipts against POs, verify inventory counts (cycle counting), and create purchase orders. The clinics and supply chain teams now have visibility into incoming shipments by integrating advance shipment notifications from the suppliers into the clinic inventory system.

## Results

The supply chain team can now improve management of lot/expiration tracking of very expensive and critical drugs, and allows for alternative suppliers to be used reducing costs. The clinics have clear visibility to incoming shipments, reduce erroneous and over ordering of drug supplies, and insure proper supplies of critical drugs are on hand improving patient care.

## Tech Stack

- NodeJS
- Angular
- AWS Aurora DB
- AWS Cloud Servers
- Java – Android OS
- Zebra Handheld with internal bar code scanners
- Elyxor Managed Servers
- BarCodeDirect Help Desk Services