

Case in Point: Mosaic



Mosaic is the world's leading producer and marketer of concentrated phosphate and potash, two of the primary nutrients required to grow the food the world needs. Their business engages in every phase of crop nutrition development, from the mining of resources to the production of crop nutrients, feed and industrial products for customers around the globe.

Mosaic has installed SupplyPro Point-of-Use (POU) solutions at its potash solution mine in Belle Plaine, Saskatchewan, Canada. This 24x7 operation has 30 sites spread over 20 square miles and produces Muriate of Potash (MOP), including Fine, Standard, Coarse, Ag Granular, HQ Granular, Special Granular and Water Softener.

“From the outset it was clear SupplyPro had people skills to make [the project] work. Their products are very versatile and adaptable to our harsh environment.”

-- Rod Jacob
Stores Planner
Mosaic Potash Belle Plain

Solution Goals

Mosaic – Belle Plaine implemented the SupplyPro Point-of Use solution to address:

- Consumption reduction
- Increased productivity through reduced product retrieval/travel time
- 24x7 controlled access to PPE materials
- Automation of replenishment processes
- Capture of consumption allocation at the Point-of-Use

Results to Date

- Project ROI was realized within 6 months
- Savings in MANPOWER have been 10-15x cost of materials – 30-45 minute wait times at shift change down to minutes
- Nearly 64,000 transactions to date, all automatically tracked to the correct trade/company code and cost center PER USER
- More than 1,200 users have access to the devices
- New products are being added to the devices raising the average machine capacity to 82%
- A 20% increase in SKUs under control, year-over-year, to well over 300
- Critical parts that impact product time are now ALWAYS available 24x7
- Process remediation improved 6-8x for savings over \$100k/year
- As a result of the system achievements to date, Mosaic plans to expand its SupplyPro implementations in 2011

Translating the Data for More ROI

SupplyPro data evaluation lends an expert eye to areas for further process improvements at the plant-level and across the enterprise.

There is a wealth of data available from each transaction that is recorded by a SupplyPro Point-of-Use dispensing device. As part of our value-added approach, SupplyPro continually looks for new opportunities to help expand our client's understanding of where efficiencies are being gained, where new ones are available and provide additional information about those transactions within their facilities, both at the current location and across the enterprise.



The Solution

Site Summary

- 8 POU areas installed across three main areas – BP Refinery, BP Minefield, BP Maintenance Shop

Solutions Utilized

22 TOTAL DEVICES

- (12) SupplyBay
- (5) SmartDrawers
- (1) 3x4 SupplyLocker
- (2) SupplyAgent Main
- (2) SupplyAgent Auxiliary

First Installation

2006

The Solution

SupplyPro implemented a mixed solution of SmartDrawer, SupplyLocker, SupplyBay and SupplyAgent to meet the different process rules at both the mining and plant operations at Mosaic.

SmartDrawer™

A Low-Cost Automated Solution to Control, Track and Manage Inventories and Critical Assets at the Point-of-Use

SmartDrawer technology is extremely versatile and configurable, allowing users to choose the best level of access control and accountability for each application. Compartments can be set for absolute control for single-item dispense and return or high-density part number level management.

SupplyBay Plus

Absolute Control® in a Rugged, Industrialized Vending System

The most versatile, industrial-grade vending system available. Performance engineered for harsh environments, SupplyBay Plus is designed to handle high-volume throughput and provide trouble-free dispensing for a wide range of industrial tools and supplies.



SupplyLocker

Absolute Control® in a Modular, Industrialized Locker System

SupplyLocker gives you the ability to manage check-out/check-in tooling, loan periods, calibrated instruments, automated lockdown and larger consumable items. Optionally, implement part number-level control to achieve a high-density parts and critical spares management solution.

SupplyAgent

Automated Point-of-Use Cabinet System

SupplyAgent provides compartment-level control and quick access to a wide variety of materials and supplies. It can store a high volume of materials in a very small footprint

Mosaic Solution Applications

- Dispensing of the following consumable items: Assorted gloves, batteries, tape, markers, safety glasses, utility knives
- Tracking take/return of gas & diesel keys
- 350 total SKU's currently loaded into the devices with over 400 SKU's defined in the database for expansion
- More than 1,200 users
- Tracking of spend/use by Trade Code (Primary & Secondary), Company Code and Work Order



Active SupplyPro Features Being Utilized by Mosaic

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|-----------------------------|-------------------------|--------------------------|
| • Inventory alerts | • Product access limits | • Loan Periods |
| • Custom Use of User Groups | • Check-in/Check-out | • Order Agent |
| • Product Quantity Limits | • Automated reports | • Login Allocation Codes |

SupplyPro - Simplicity that Delivers

SupplyPro, Inc. is the premier provider of Point-of-Use (POU) inventory management solutions with over 4,500 installations in 39 countries. Our solutions bring proven simplification to the distribution and management of MROP, safety and tooling supplies at the work cell. Easily adaptable to customers' business environments to deliver the industry's highest return on investment. Industry-leading capability to interface to existing ERP and supply chain systems. **For more information, visit www.supplypro.com, email info@supplypro.com or call 1.858.587.6502 or 1.513.671.4933 x. 107.**