How Coldspring utilizes Data Collection/Bar Code Inventory Control.

Session ID: 102440

Beginning in 1898 with a single quarry and a hardworking stonecutter, Coldspring has become one of the largest natural stone manufacturers serving commercial, landscaping, memorialization and residential customers.

Prepared by:

Nathan Kuebelbeck
Business Analyst/Developer

COLLABORATE16
TECHNOLOGY AND APPLICATIONS FORUM
FOR THE ORACLE COMMUNITY

#C16LV

Nathan Kuebelbeck BIO

Received my AAS from Saint Cloud Technical And Community College

Received my BA from Minnesota School Of Business

I've been with Coldspring for 8 years. 5 years doing PC support. 3 years in E1. Couple of upgrades (8.12-9.0 and 9-0 to 9.1). I do a majority of the E1 development at Coldspring. Ranging from FDA to C BSFN and anywhere in between.

Married with a couple kids. Hobbies include web development, console video games, fishing and golfing

About Coldspring

- E1 since 2007
  - Finance
  - Distribution
  - Transportation
  - Manufacturing
  - BI Publisher
  - Inventory
  - Address Book
  - Procurement
  - Job Cost
  - Contract Billing
  - Fixed Assets
- Markets Served
  - Memorial
  - Residential
  - Building Materials
  - Tools
- Product Offering
  - Blocks
  - Slabs
  - Memorials
  - Bronze Memorials
  - Diamond Tools
  - Cut to Size

We have quarries, plant facilities and sales offices located across the country to stay responsive to our customers and help them buy regionally. This is one company that is truly made in America.

Coldspring Headquarters
Fabrication Facility
Sales Office
Quarry Location

Coldspring E1 Platform Information

Current Platform Information

- 2 IBM i E1 Servers 9.1 (Tools 9.1.4.6)
  - PD/NON-PD
- 2 Windows E1 Servers
- 3 Windows Web Sphere web client servers
- 2 Windows Web Sphere BSSV servers
- 100-200 users
- Bolt-on
  - Credit Card
  - Shopping Cart/E-Commerce
  - Tax

Coldspring Hardware/Coverage

4 Locations

1. Minnesota

2. Texas

3. New York

4. California

Intermec Ck3 handhelds(110)

Cisco WAP (52)

1-2 Square Miles of coverage/usable area

2-3k transactions daily

Intermec Smart Systems

- Single, easy-to-use portal for hands-free device provisioning, deployment and management of Intermec devices
- Minimizes the effort spent on software upgrades, monitoring and trouble-shooting
- Centralized, easy, stand-alone operation, remote administration and license activation
- User-friendly mechanism for One-Step Provisioning of software bundles
- Scan-to-Connect barcodes enable single step connection to the network and software loading directly from FTP/HTTP sites
- Monitor and track Intermec data collection equipment
- Integrates with industry leading device and system management solutions

Source:
http://www.intermec.com/products/smrtsysfoundation/
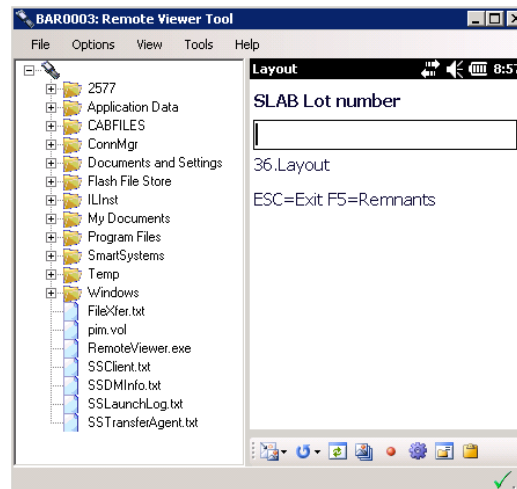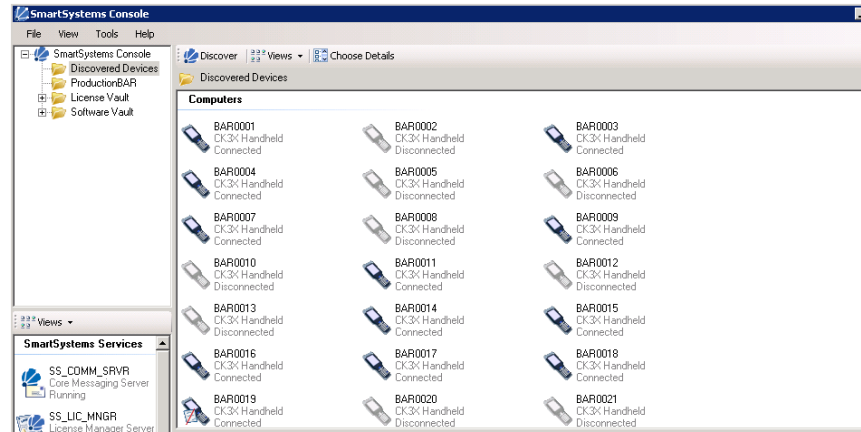
Coldspring Goals for Manufacturing

- Increase stone yield
- Increase visibility to production
- Real time transactions
- Barcoded production Tickets
- Accurately track job costs

World Class Information Systems

Why World Class Information Systems?

- AS400 software

- Knowledgeable with E1 Manufacturing System

- Wide Selection of Stock Applications

- Competitive Pricing

- Excellent Referrals

High Level Coldspring process

Source: https://www.coldspringusa.com/about-coldspring/sustainability/stone-utilization/

Production Tickets
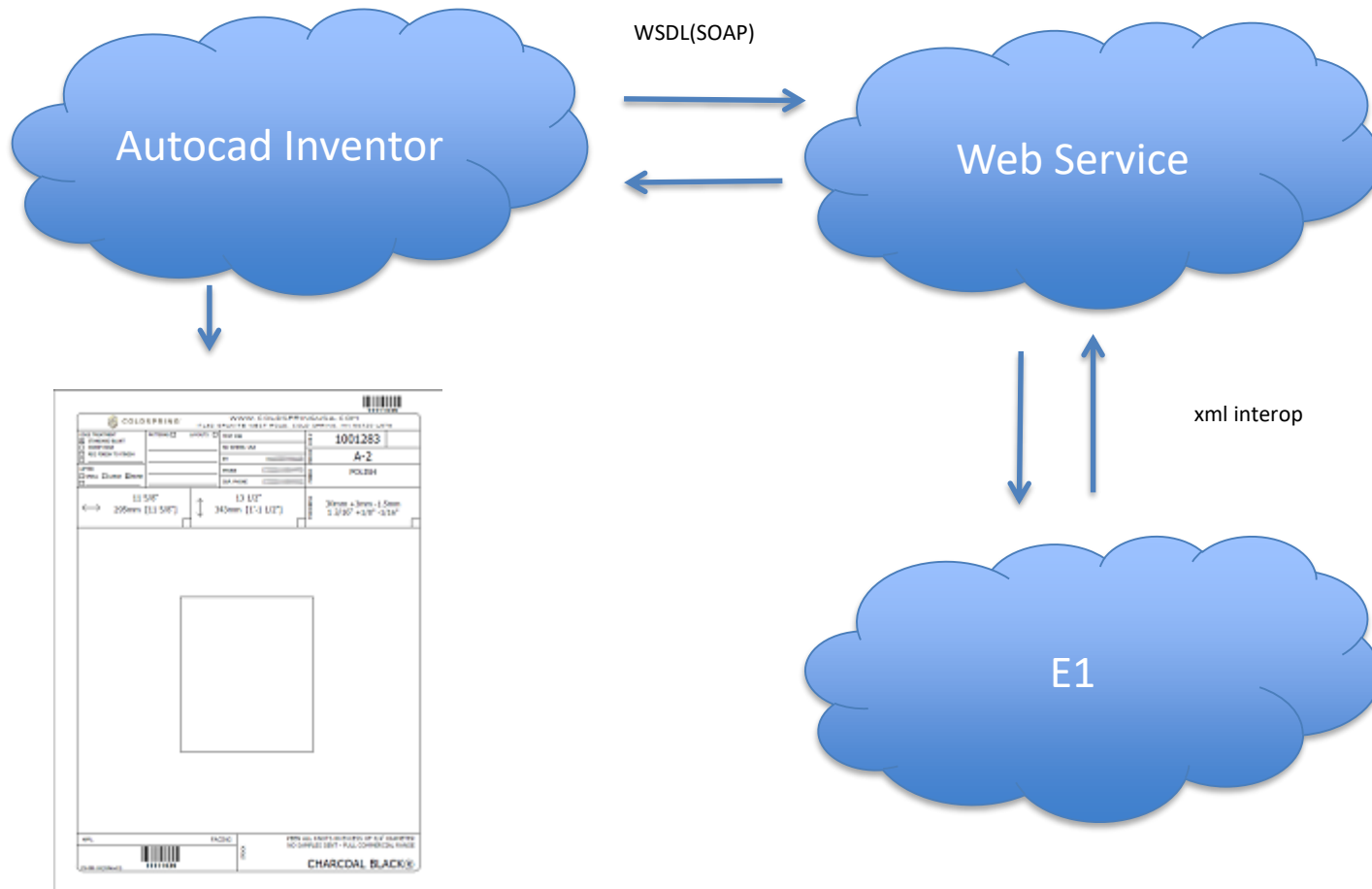
A Video Demonstration

Production Layout

WCINFO APP

Coldspring/ World Class Information System Layout Demo

Work Order Routings (P311221) WCINFO Executing BSSV

Work Order Completion (P31123) WCINFO Executing BSSV

Manufacturing Improvements

- Eliminated the paper process of recording transactions
- Speed up process
- Accurate costs using job cost
- Real time tracking work in process
- Stone yield (TBD)

Block to Slab (Inventory Re-class P4116) WCINFO Executing BSSV

Block to SLABS

Block Lot Number

25.11.111

85.Block to SLABS

ESC=Exit

Block to SLABS

F or P

p

Block:25.11.111

Block to SLABS

More Slabs? - Y/N

y

Batch:00653667

Block to SLABS

Slab Thickness

32

Slab:14-910025

Qty:6.

Alloc:41

Fin:04

Saw #:081

Length:120.

Height:65.

ESC=Exit F1=Prior

Block to SLABS

Enter Quantity:

6

Slab:14-910025

Block to SLABS

Slab Lot

14-910025

Batch:00653667

Block to SLABS

More Slabs? - Y/N

n

Batch:00653670

Continued on next slide

Block to Slab (Inventory Re-class P4116) WCINFO Executing BSSV

Block to SLABS

Slabs/Yield Batch#0065367

```
14-910025  120x032x065
14-910026  120x032x065
14-910027  120x032x065
14-910028  120x032x065
14-910029  120x032x065
14-910030  120x032x065
Yield:        36.
***End of List***
```

Enter=Complete Esc=Clear

Inventory Issue (P4112)
WCINFO Executing BSSV

Flash Message

Transaction Accepted

Cardex is: 12-13699

Issue to Grout

Lot Number

12-136993

86.Issue to Grout

ESC=Exit

Flash Message

Error

No Inventory Available, Select
F41021

Press Enter to Clear.

Inventory Adjustments(P4114) WCINFO Executing BSSV

Slab

Resize Slab

Slab/Lot:

14-428386

77.Resize Slab

ESC=Exit

↓

Resize Block

Length

75

78.Resize Block

ESC=Exit F1=Prior

↓

Resize Block

Width

35

78.Resize Block

ESC=Exit F1=Prior

↓

Flash Message

Transaction Accepted

Cardex is: 14-42838

Block

Resize Block

Block/Lot

95-14-105

78.Resize Block

ESC=Exit

↓

Resize Block

Length

75

78.Resize Block

ESC=Exit F1=Prior

↓

Resize Block

Thickness

50

78.Resize Block

ESC=Exit F1=Prior

↓

Resize Block

Width

35

78.Resize Block

ESC=Exit F1=Prior

←

Inventory Improvements

- Eliminated the paper process of recording transactions
- Speed up process
- Instant transactions
- Eliminate downstream issues
- Accurate inventory
- Educated users

Cycle Count – Slabs (+/- 5,000 slabs) WCINFO APP

Before
1.   Stop all transactions
2.   Select Items for Cycle Count
3.   Read/Write every slab
4.   Turn in work sheets
5.   Data Entry
6.   Run Edits Reports
7.   Recount any glaring issues
8.   Submit Cycle Count
Resources
1 day
100 head count

After
1.   Stop all transactions
2.   Select Items for Cycle Count
3.   Enter Count Number into handhelds
4.   Scan slabs
5.   Run Edit Reports
6.   Recount any glaring issues
7.   Submit Cycle Count

Resources
2-3 hours
50 head count

Other World Class transactions

- Work Order Scrap (BSSV)

- Pick Slip Generation (WCINFO)

- Reprint Pick SLIP (WCINFO)

QUESTIONS?

Quest is the home for PeopleSoft and JD Edwards Users

Visit the Quest International Users Group Booth #323

- Let us show you how to leverage the Quest community to <u>maximize your ERP investment</u>

- Receive your <u>personalized Quest Activation Plan</u> & learn how to make the most of your membership

- Plus, find out <u>more about our upcoming events</u> PeopleSoft RECONNECT (July 19-21) and JD Edwards INFOCUS (August 8-10)