Presentation to:

Presentation by:

**Jeff Widmer – Director, Sales and Marketing**

Main Topics

- **Data Security**
- **User Efficiencies**
- **Reporting**

3LOG Background

- Founded in 1997 with focus on forestry solutions
- 25 professionals on staff and growing
- The leading industry provider for log/by-product management solutions
- Over 500 installations throughout North America
- Extensive experience in:
  - Forestry/wood products
  - Business process improvement
  - Software design and development
  - Implementation and support

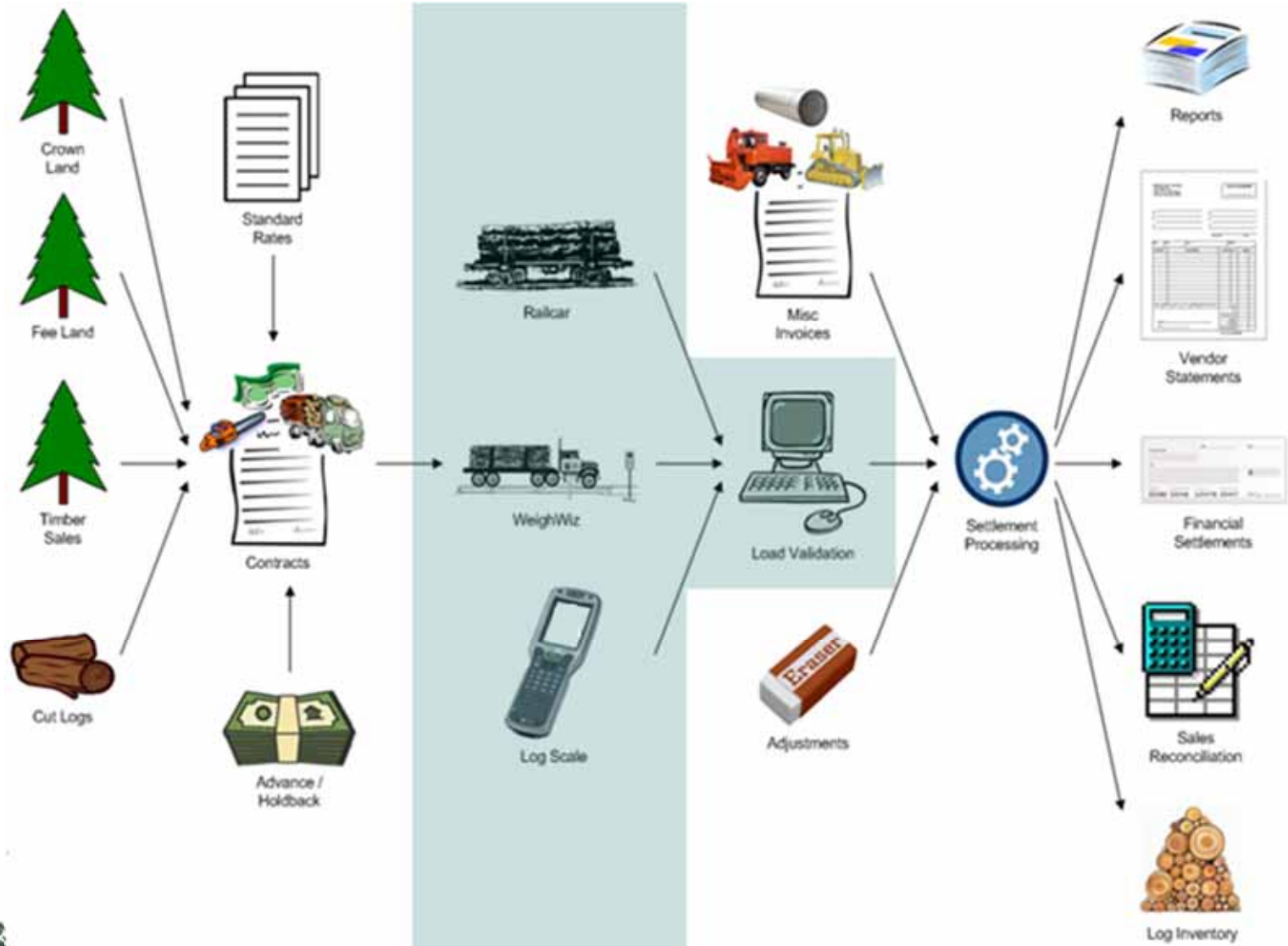# 3LOG Installations

North American locations using 3LOG software
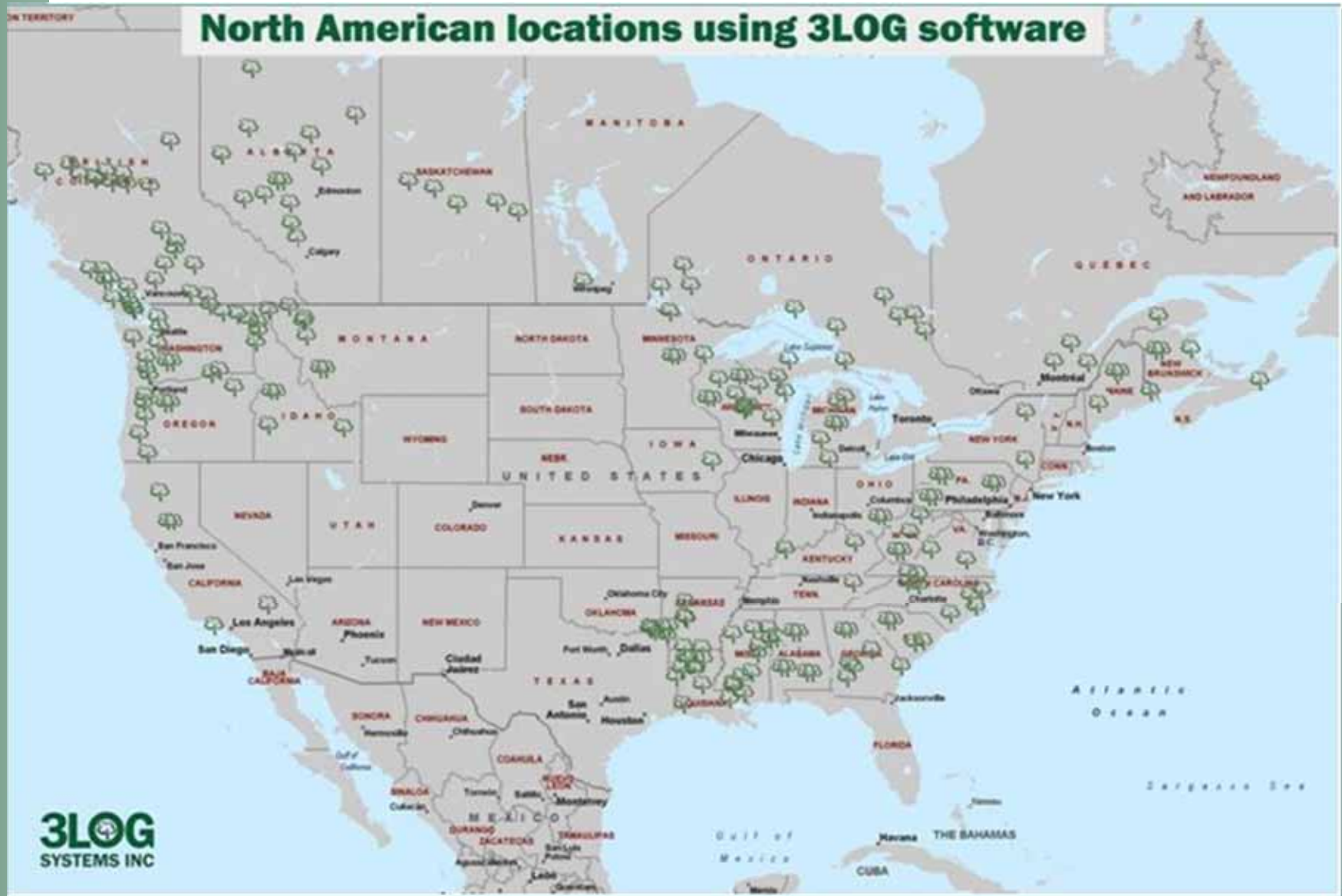
Partial Customer List

- Acadian Timber
- Ainsworth Lumber
- Atlas Holdings
- Alberta-Pacific Forest Industries
- ANC Timber
- Apollo Forest Products
- Avista Corp
- Biewer Lumber Company
- Boise Inc
- Canfor Pulp
- Celgar
- Clearwater Paper
- Coastland Wood Industries
- Columbia Forest Products
- Conifex
- DMI
- Domtar
- DTE Energy
- Eastern Hardwoods
- Fibrek
- Futurewood
- Georgia Biomass
- Glatfelter
- Grant Forest Products
- Greenleaf Power
- Idaho Forest Group
- International Paper
- Lakeland Mills

- Ledcor
- Lone Rock Timber
- Longview Timber
- Matson Lumber Company
- Merrill & Ring
- Millar Western Forest
- NewPage
- Northwest Hardwoods
- Pacific Rim Log Scaling Bureau
- Pallan Group
- Paper Excellence
- Potomac Supply
- RockTenn
- Roseburg Forest Products
- RSG Forest Products
- Simpson
- Sojitz
- Storey Creek
- Sun Mountain Lumber
- TimberWest
- TMI Forest Products
- Vaagen Bros Lumber
- Vanderwell Contractors
- Western Forest Products
- West Fraser Timber
- Weyerhaeuser
- Wheelabrator Shasta Energy

3LOG SYSTEMS INC

Overview

Company Land / Timber Purchase

Harvest

Haul

Outside Purchase

Scale

Gatewood

Ship

Inventory

Plant

Roundwood Deliveries

Load Processing Issues

- **Contractor issues**
  - Record incorrect information on delivery slips
  - Use the wrong trip ticket for the job
  - Ship more than their delivery quota
  - Send trucker to wrong destination

- **Hauler issues**
  - Arrive at the wrong destination
  - Don't know where they are coming from
  - Don't know who they are hauling for
  - Don't know what they are hauling
  - Record incorrect information about the load

Load Processing Issues

- **Scaler issues**
  - Don't record critical information about the load
  - Record incorrect information about the load

- **Customer issues**
  - Track load information differently than you do
  - Cannot provide all of the information that you track

… and a whole lot more!

Trip Ticket Management

- **Generate and issue tickets**
  - **Single use or Reusable**
- **Record details to reduce data entry at scales**
- **Track and reconcile trip tickets**
  - **Active / Void / Used**

Single Use Ticket

Democorp

Source : **WCL4000296**

Steitler/Ortor

Vendor : STEITLER LAND & TIMBER

Supervisor Bloggs, Joe

WC722212

- **Data entry shortcuts**
  - **Bar coding and RFID reduce data entry error**
  - **Link to related entities to save data entry time**
    - **Contract / source / raw material / species / etc.**
- **Reduce manual input by a trucker**
- **Provide an audit trail of load activity**

Reusable Ticket

- **Multiple loads per ticket**

Data Entry Box/kiosk

- Camera points directly at truckdriver (if computer goes down, truckdriver can hold card up to camera so scale attendant can copy contract number and create a manual load)

- Speaker (if scale attendant needs to speak to truckdriver)

- Touch screen

- Card reader

- Final scale ticket output

- Intercom (original means of communication but truck noise was too much)

- Phone for truckdriver to speak to scale attendant (added phone as truck idle noise was too loud for intercom system to be useful)
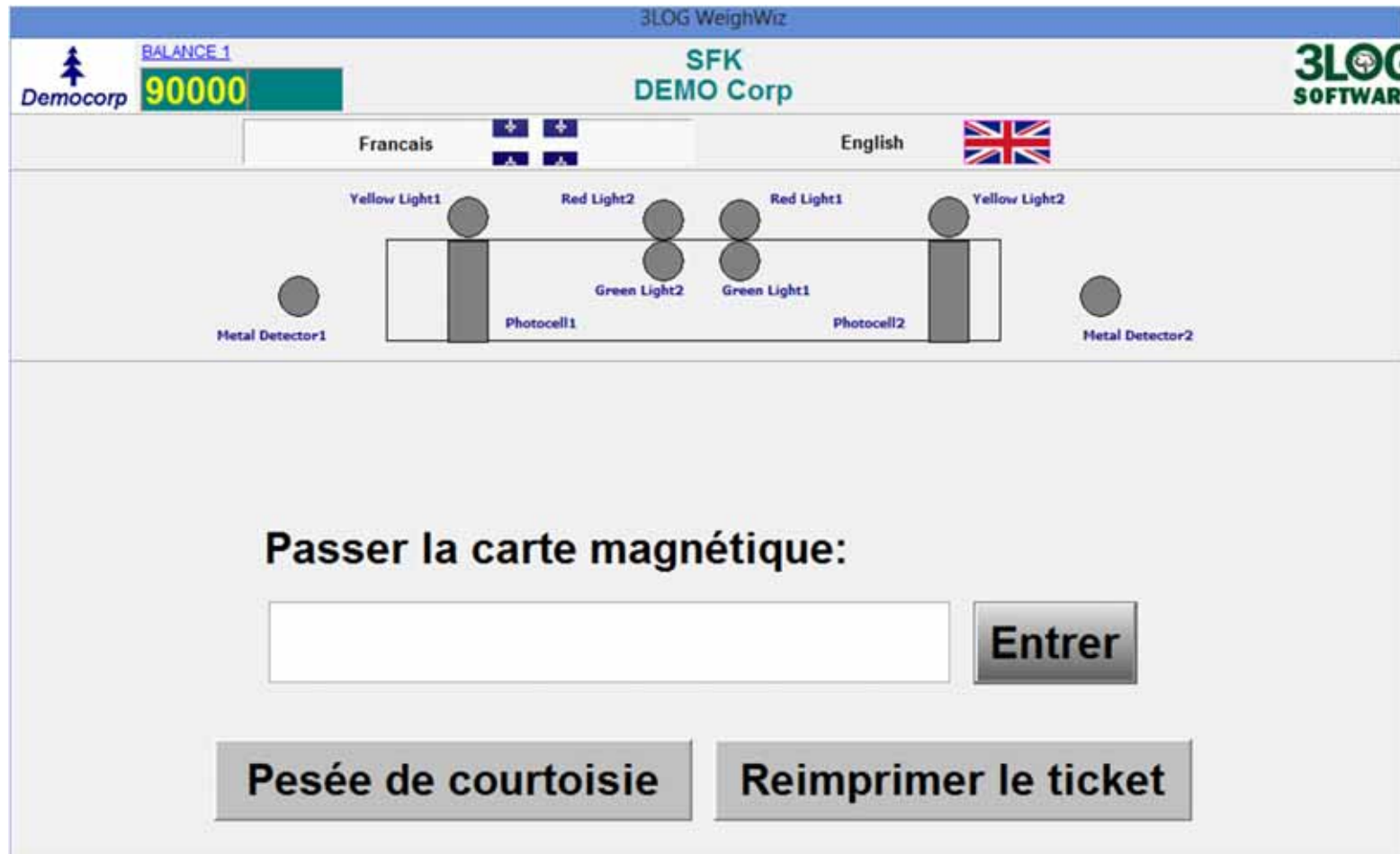
Weighscale

- **Attended or Unattended operation**
- **Automatic Synchronization**
  - **Downloads raw material, contract and source info**
  - **Uploads load information for processing**
- **Fault tolerant**
  - **Scale database operates when not connected to network**
  - **Automatic synchronization when reconnected**
- **Supports all known scale hardware**
  - **Mettler-Toledo, Fairbanks, Cardinal, Pacific Scale, etc**
  - **Bar code scanners and RFID devices**
  - **Touch screens and kiosks**
  - **Gates, traffic lights and cameras**
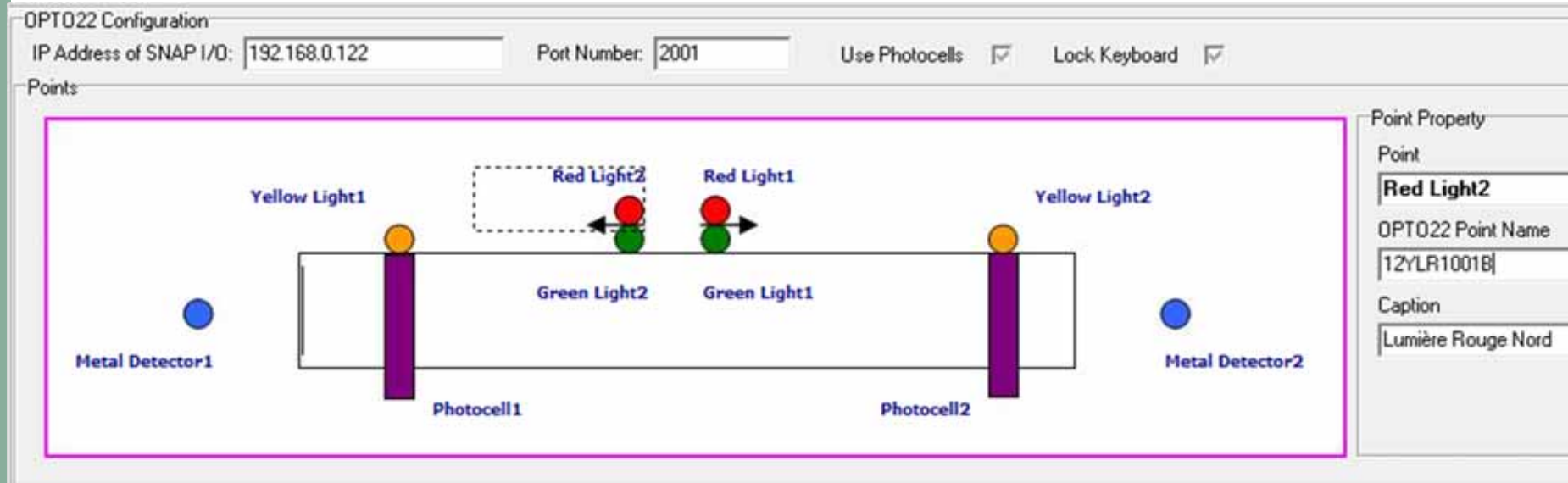
Certified Scales
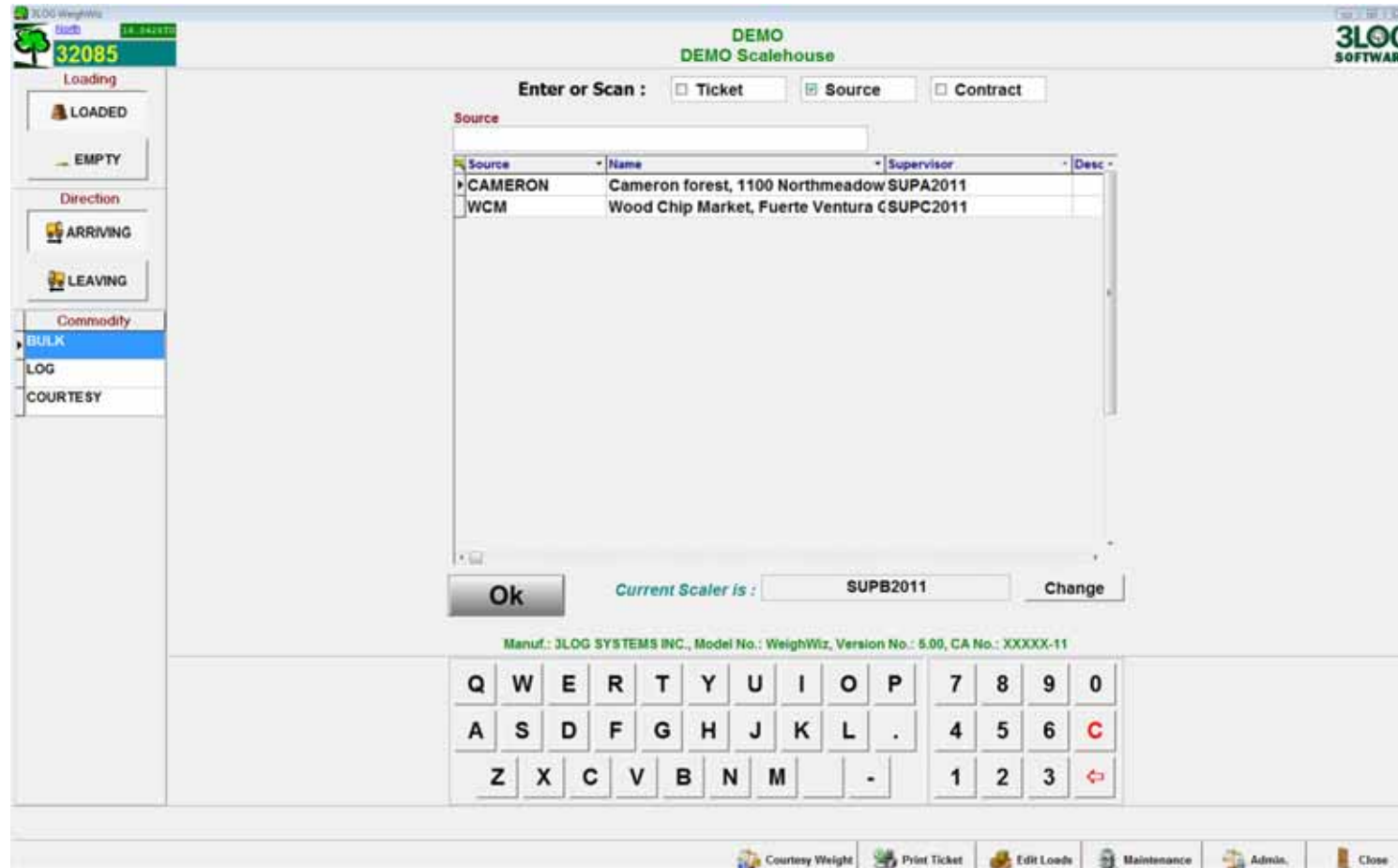
- **BC HBS certification**
- **CTEP (California Type Evaluation Program)**
- **NTEP (National Type Evaluation Program) in-process**

Multilingual Interface

- **User can select language in unattended mode**

Truck Flow Control

- **Use scale indicators provided by scale provider or third party**
- **Utilize weighscale software that controls the process**

Load Processing Demo

Truck Weight Analyzer (TWA)

- **Tool to monitor load weight data**
- **Captures weight every second**
- **TWA uses algorithm to do the analysis against the TWA settings**
  - Draws a graph
  - Marks the load to show the following:
    - Front axle off
    - Back axle off
    - Scale not reset
    - Spike
    - No Weight
    - Other Load

TWA Simulation

Truck Auto Tare

Data Audit

- **Sarbanes-Oxley Compliant**
- **Track who does what and when**
- **Complete history archived**
- **Setup audit triggers**
  - **Audit all data changes**
  - **Audit important data changes only**
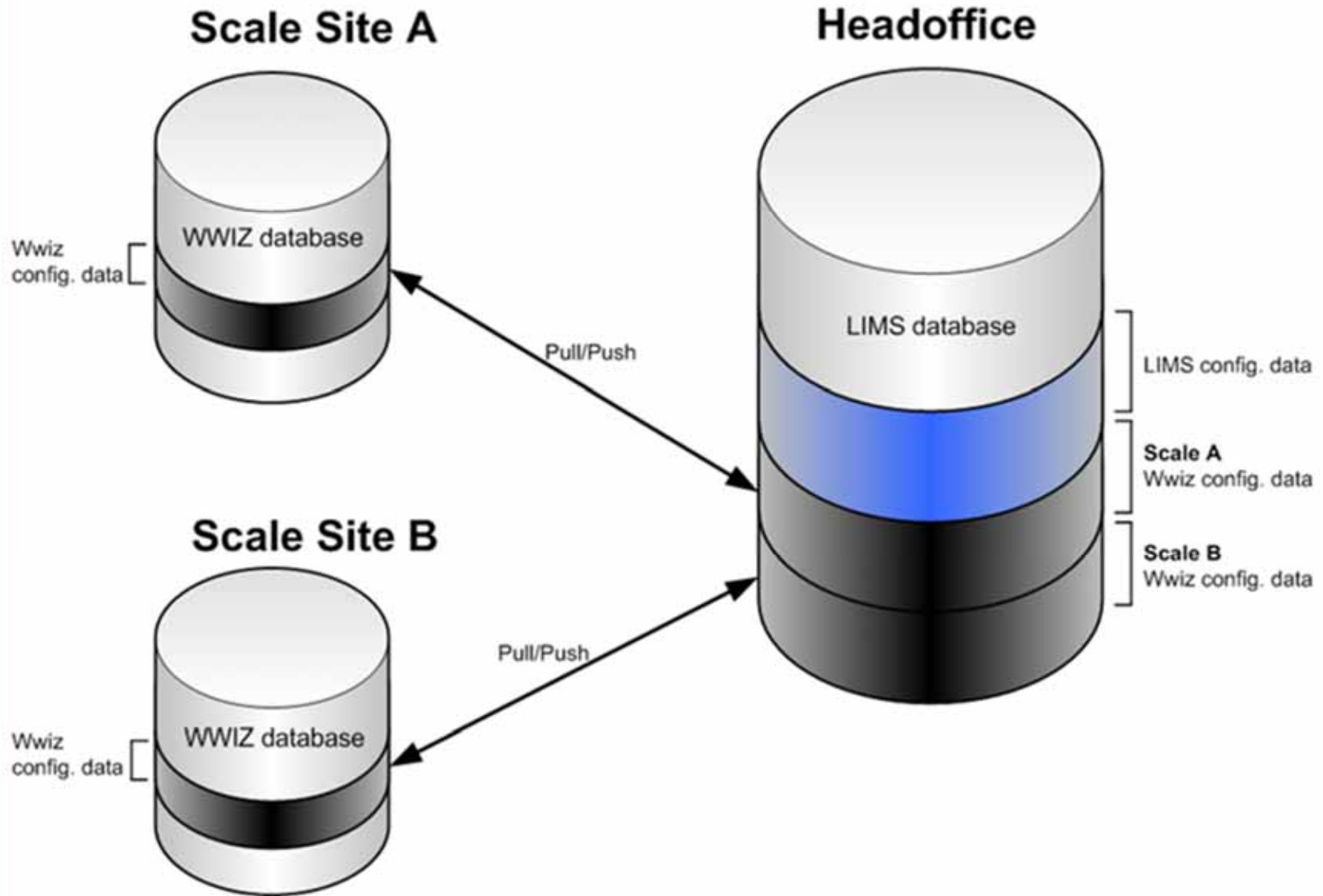
Activity Audit – Safety Sheet

- **Allows you to print to a printer (or a file) one line per load for each load**
- **If a load is deleted there will be a record of it**

Data Synchronization

Develop Reports/graphs

Schedule Reports

- **Can be daily, weekly, monthly, etc**
- **Can print, email and/or fax reports**
- **View the results of scheduled runs online**

Import Electronic Data

```
F1676078332000000PORT ARTHOR                                          72946N   NN05320100222
F2676078332          JACKHAMMER                                       17377            4270
F36760783320800 PL&S MULT 1074532406050000 00000000001366300000000VS           13 12.
F4676078332                                             NLT OVER 7    0000000000000000
F567607833200          00000000030012000000000001  29053000150001500000000000000000000
F567607833200          00000000030012000000000002  29053000150001500000000000000000000
F567607833200          00000000030006000000000003  44053000040004000000000000000000000
F567607833200          00000000030008000000000004  44053000060006000000000000000000000
F567607833200          00000000030013000001000005  29053000180018000000000000000000000
F567607833200          00000000030010000006010006  47053000110006000000000000000000000
F567607833200          00000000030007000004000007  44053000050004000000000000000000000
F567607833200          00000000030011000000000008  47053000130013000000000000000000000
F567607833200          00000000030011000001000009  32053000130012000000000000000000000
```
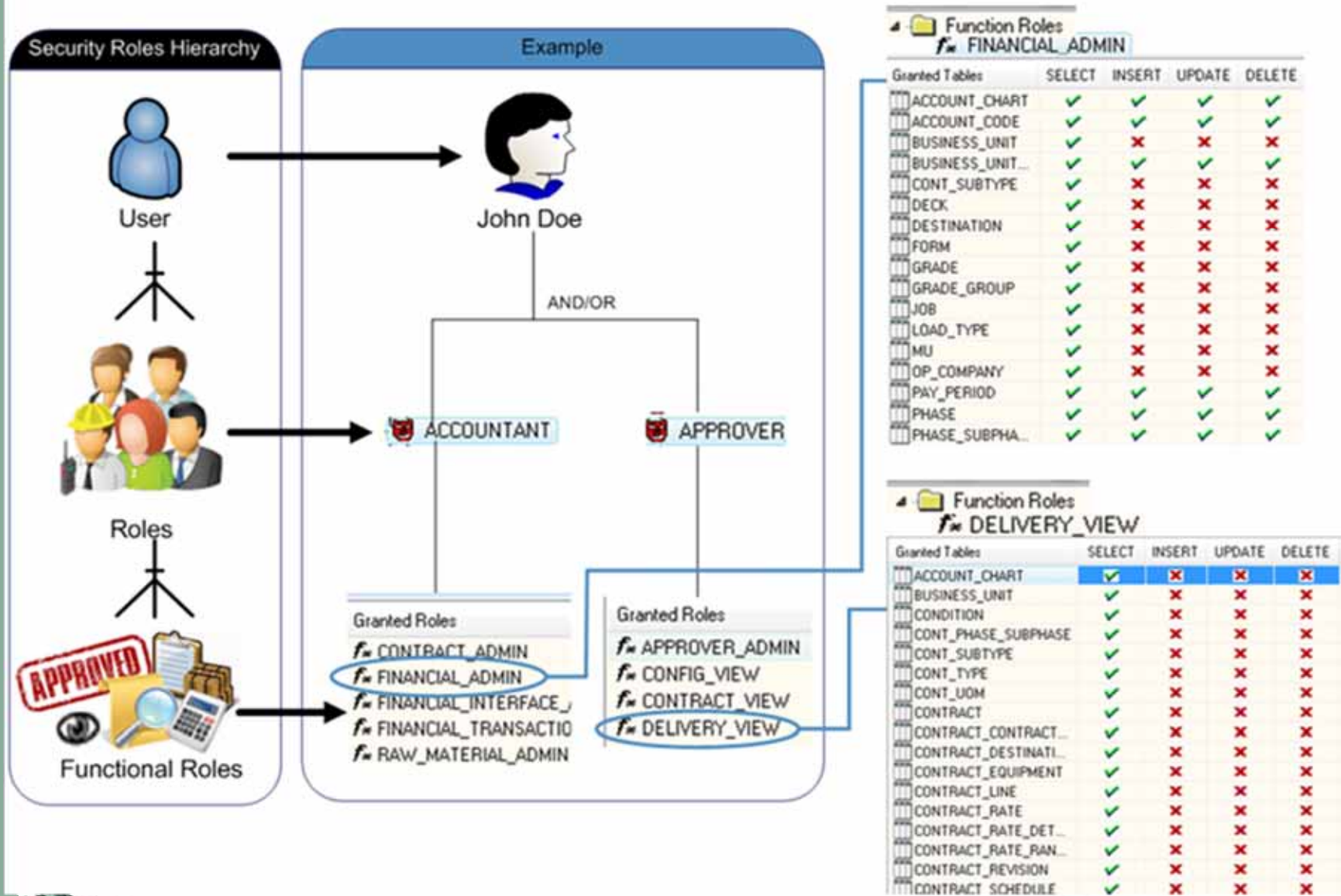
- **Import electronic load and log information from third parties**
  - **All scaling bureau formats**
  - **Reads text, CSV and XML files**
  - **Utilizes key indicators in file to determine the import type**
  - **Maps file information to LIMS**
  - **Translates third-party codes to LIMS codes**
  - **Highlights errors for correction**
  - **Bulk update and replace for quick correction**

Security – Access/Authorization

Q&A