



Rail Yard Management and Automation

Overview:

RailTransload™ operates on a handheld mobile computer equipped with an AEI railcar scanner and a 1D/2D barcode scanner. It effectively automates the critically important process of verifying that the right railcar is being loaded/offloaded to the right trailer.

RailTransload™ consists of two linked modules. The first is a web-based dispatch planner. It can operate on any internet-connected PC. It operates as a stand-alone and fully functional dispatch system. It allows the user to create and populate a dispatch plan, linking customer orders to railcar inventory and trailer equipment. For users who already have a dispatch system, this product is designed for a seamless integration with your existing systems. It provides a completely automated interface and eliminates any duplicate keystroke data entry.

The second module resides on a portable AEI reader. It acquires the load plan data from the dispatch system and enables transload site personnel to electronically verify each trailer/railcar connection and the associated railcar seals before the transload is begun. As additional assurance, it stores an electronic record of the verification for proof if a claim arises in the future.



Rail Transload		9:06	
Car #	EIS 123456	EI SYSTEMS	
Order #	EI44199		
Compt#	CA		
Seal #	1122334455,1122334456		
Compt#	A		
Seal #	1122334466,1122334467		
Trailer#	RB9-K98		
Tractor#	C759932		
Pickup	Houston, TX 77058 06/17/2010		
Delivery	San Francisco, CA 94102 06/23/2010		
	Prev	Complete	Clear
Status	Validated. Please complete loading.		
Main			



## Overview (Cont'd):

The system also provides a railcar seal management function, allowing the transload site operator to scan incoming railcars using the AEI reader and electronically document the identification number(s) on the cars' security seals. This data is uploaded to a secure server and maintained in database format. As seals are changed during the course of inspecting, sampling and offloading, the user can easily rescan the car and the new seals, ensuring an accurate and up-to-date record of all seal numbers in use on the site. The seals can be entered manually or via the built-in 1D/2D barcode scanner in the portable AEI reader.

## Benefits:

### Easy Integration

- Can accept data directly from your existing dispatch systems with no manual intervention

### Flexible

- If desired, can serve as a stand-alone dispatch system, allowing user to store railcar inventory and customer orders and build dispatch plan
- Provides as much or as little front-end as is needed
- Easily configured to meet the transload protocols in place at your facility

### Eliminate Errors

- Instant validation of rail/truck connection anywhere in the rail yard
- Provides electronic assurance of correct railcar/trailer match
- Allows electronic validation of existing railcar seals.
- Allows electronic recording of new car seal installations
- With both AEI and barcode reading capability, can reduce or eliminate keystroke errors

### Dispatching capability included

- Allows user to maintain inventory of cars with associated products, seal numbers, shippers, etc
- Can provide multi-level matching capability for order allocation
- Can generate driver documentation including load orders and bills of lading

Designed to allow frequent updates to dispatch plans and loading plans

Eliminates work: no keystroke data re-entry required.

Speeds data flow – scanned cars and seals can be immediately loaded into records.

Provides retrievable electronic record of the verification.

Allows a variety of bar coded security seals to be scanned.

## Key Features:

- User-friendly interface.
- Rugged industrial-strength hardware.
- Designed for easy integration with existing systems.

