



INDUSTRIAL RAIL YARD MANAGEMENT

EI Systems - Bringing rail yard management systems into the 21st century

- Online Visibility
- Automated Data Collection
- Powerful Reporting
- Reduced Labor Costs
- Error-proofed Records
- No More Lost Cars

Immediate access to the information you need, at any time, from any place.

Rail Yard Management and Automation

EIS Suite of Products for Rail Yard Management:

- RAIL MANAGER®: A web-based rail yard inventory system. Rail Manager® extends the use of Automatic Equipment Identification (AEI) systems to aid in the management of railcars in rail facilities and yards. A host system continuously identifies, in real time, the location of each railcar on a graphical map of the yard. Integration capabilities allow users to see every detail about each car, including status and cargo. Powerful reporting, accessible history, and effective communication tools help make yard management easier and more effective.
- RAIL LOGGER®: Front End processor that quickly and easily links AEI data into clients' core business process. Translates raw data from AEI readers into useable information. Generates detailed reports of car arrivals and departures with real time timestamps. Provides periodic system health status report to minimize maintenance and maximize on-line operation.
- RAIL MOBILE®: Designed to operate on handheld computers that can electronically read railcar numbers, Rail Mobile® provides tracking, monitoring, and inventory of rail cars and rail equipment. Rail Mobile's primary function is for rapidly and accurately recording car inventory, status, and location. Rail Mobile® offers a variety of communication options, including wireless and cellular.
- RAIL INSPECT™: Operating on a handheld mobile computer equipped with an AEI railcar scanner, Rail Inspect™ provides the user with an updated electronic checklist and effectively automates the capture, reporting and analysis of railcar inspection data. Applications include carwash, pre and post-load inspections and car loading records. Built-in barcode scanner also allows electronic documentation of seal numbers.
- RAIL SCALE™: A software system for use in managing information related to the weighing of rail equipment. The system utilizes an AEI reader to automatically capture car number, and links to client's scale controller to capture scale weight. The system interfaces to UMLER or locally-available database to obtain tare weight, and max gross weight for weight validation and overload alerts.

What EI Systems (EIS) Offers:

- State-of-the-art solutions
- Over twelve years of experience in industrial rail applications
- Extensive knowledge of software, hardware, RFID, and wireless communications
- Proven experience with AEI reader hardware, system integration, design and implementation
- Effective design and implementation of high-reliability low-maintenance applications
- Advanced capability for system integration to make effective use of AEI technology
- Most importantly, we have industry application experience, understand customers' operations and needs, and can provide cost-effective solutions

Experience Brings Value:

We serve a broad variety of industry segments. Recent applications include:

CHEMICALS

- Bayer
- BP (two sites)
- DAK Americas (three sites)
- EKA (Akzo Nobel, six sites)
- INEOS (two sites)
- Phillips 66
- Westlake Chemical

UTILITIES

- NRG
- Tampa Electric

AGRICULTURE/ETHANOL

- Ag Processing Inc (AGP)
- Archer Daniels Midland
- Guardian Energy
- Mobile Grain

TRANSPORT

- Harsco
- Intercontinental Terminals
- Kinder Morgan
- Port of Montreal
- Progressive Rail
- Rio Grande Pacific
- Texas City Terminal Railroad
- Vidal Street Industrial Park
- Winconsin Northern Railroad

MINERALS/FERTILIZER

- Agrium
- Lange Stegmann
- PCS Potash
- Superior Silica Sands
- Unimin



AEI Hardware Partners:

We partner with all AEI hardware manufacturers, including:

- Comet Industries
- Transcore
- SAIC
- STC
- SAI

EIS is Uniquely Qualified to be Your AEI Systems Solutions Provider

- Skilled professional staff offers both rail operations and systems development expertise. Electrical Engineers, Mechanical Engineers and Computer Engineers, most with advanced degrees, work to serve your needs. Staff also includes developers with SAP expertise.
- EIS has developed unique knowledge in rail mobile technologies and is the leading AEI software developer for handheld platforms in the industry.
- Our rail tracking solutions are a product of over ten years of hands-on experience working with rail crews and logistics management. We understand how your business works, and can help you to make it better.
- When you do one thing, and do it well, you tend to become the de facto standard of excellence that customers are looking for. Rail yard management is not just one part of what we focus on, it IS what we do and who we are. EIS System's multidisciplinary team is structured to be your single source provider, delivering effective solutions that optimize hardware, software, wireless and integration to your existing systems. We are uniquely capable of providing the perfect fit for your needs.
- An AEI project is far more than just providing readers and yard software. Success depends on the ability to effectively design and integrate into the client's business process and internal systems. EIS personnel understand both process control and back-office systems and have the tools and skills for effective integration.

EIS Data Management Service

- **AEI Hosting Service:** Our web-based system lightens your IT load and provides secured access for your entire team, any time and any place. Data collected from AEI handheld readers and/or AEI fixed readers is sent to EIS AEI host computers for processing and conversion to various user-specific formats. This allows direct and real time communication of AEI data to internal operating systems, to internal management systems such as SAP and to external systems such as rail carriers or third-party Track and Trace providers. It also allows conversion of data into standard spreadsheet format which can be sent to users as attachments via email. Data collected from Rail Mobile®, Rail Inspect™, and/or Rail Logger® is integrated with Rail Manager® to provide users with a secure and fully automated web-based rail yard management system. Service includes maintenance, support, and priority upgrades of software products as they become available.