



TRANS CORE®
3sixty™

Rail-Intermodal



Solutions for Tracking, Management and Operational Efficiency. From port to rail to truck, 3sixty™ Rail-Intermodal powered by IntelliTrans™ provides you with a suite of wireless products, software and professional services that give you a total rail and intermodal management solution.

Your system is only as good as the data you put

Your rail and intermodal management system is only as good as the data you put into it.

That's why our products capture high quality data via TransCore's RFID and satellite communications products, and then integrate the information with

our in-transit visibility, maintenance, repair, yard and inventory management



service offerings. The result? The right information you need to manage your assets, whether rail, truck, barge, chassis or containers.

3sixty Rail-Intermodal Services for Rail Carriers

Automatic Equipment Identification. Today, 100 percent of all railcars used by North America's Class 1 railroads are required to be equipped with TransCore's tags for AEI applications. Globally, in 24 countries spanning five continents, TransCore has installed more than 6.5 million tags and 20,000 readers throughout the rail and intermodal industry and is the established industry leader. New tag technology now being introduced features high-speed read/write capability, greatly enhanced data rate, memory capacity, and on-the-fly programming with security, providing even more application benefits to rail customers of all sizes.

Short Line ERP System. Running a short line railroad can be complicated. We can help you



eliminate your operations headaches with our integrated Web-based ERP system, which collects and processes essential information to streamline your operations and settlement processes. Developed by railroad operation experts, our Short Line ERP system provides network-wide visibility to all supply-chain participants, integrating processes between Class 1s, shippers, and receivers. Specific services include:

- Interline settlement processing - AAR-certified
- Car hire payable and receivable handling
- Yard management
- Car movement reporting
- Demurrage and switching calculations
- Hazardous material documentation
- Fuel surcharge management



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3sixty Rail-Intermodal Services for Rail Industry Service Providers

Yard and Terminal Management. Our sophisticated, intuitive yard and terminal management system efficiently manages equipment within a terminal, while providing inventory monitoring through RFID technology. Fully integrated with the 3sixty Fleet Management™ system, you can easily monitor vehicle location, mechanical specification, repair and maintenance tracking, and view a switch list in real time.

Repair and Maintenance System. Our integrated, turnkey system for managing the repair cycle, from inspection to invoice, will keep you informed every step of the way, with such features as:

- Status and promise out date
- Billing repair card generation
- Standard/estimated versus actual cost comparisons
- Labor and materials planning
- Remote access to data via handheld computers

Material Management System. Gain visibility through inbound, receiving, order processing, storage, shipping, and billing, with our comprehensive Material Management System. Our functionality provides an intuitive graphical interface with multi-mode functionality, so that you are completely in control of your inventory, all in real-time, with features such as:

- In-bound, in-terminal, and outbound visibility at the SKU level
- Hazardous materials loading compatibility verification
- Automatic loading instructions
- Scale interface for accurate billing and inventory





3sixty Rail-Intermodal Services for Port Operators

Port and Freight Terminal Management. Our tag and reader system provides an easy and inexpensive way to improve productivity, reduce turnaround time, and reduce costs. Transportation tags are mounted on trailers, chassis, containers, and trucks with readers installed at strategic points, including incoming truck access points for automatic access authorization. As tagged equipment passes a reader, the tag identifies the equipment and the reader relays the time, date, or other customer information to the terminal operating system. These wireless systems improve equipment and inventory accuracy, eliminate paperwork, increase employee productivity, and limit security issues by automating the equipment tracking procedures at the freight yard and terminal.

3sixty Rail-Intermodal Services for Shippers

Container Tracking. Our RFID container tags and GPS technology provide you with a total solution for monitoring and tracking cargo. Decrease risk and increase security by knowing location and status of your cargo at all times. Our solution includes the use of permanently-mounted passive container tags as well as electronic security seals. A battery-free passive technology allows the devices to operate reliably without maintenance for the expected 20-year life of an average container in the harshest of operating environments. Our tag and reader system is complemented by 3sixty Fleet Management powered by GlobalWave, an innovative mobile satellite GPS system, providing you with complete visibility.

In-Transit Visibility. Never lose sight of what's important to you. Our Web-enabled and wireless products electronically identify and monitor rail and intermodal equipment, enabling you to track and monitor assets better, improve equipment utilization, improve customer service, and reduce re-handles, dwell time, and overhead. Our tailored, integrated solutions combine high-quality data and support services with world-class software to provide you with the visibility you need, when you need it!

Rail Track and Trace Services. Focus on you core business and added-value activities, while we increase visibility of your shipments, including:

- Location
- Ship date and days to destination
- Original and dynamic ETAs
- Shipments in exception status
- User-customizable alerts
- Equipment ID origin/destination
- Days not moved
- Standard, customized, and ad-hoc reports
- Asset pipeline management

Rail Intervention Services. Count on us for proactive monitoring of your freight assets. When necessary, we provide human intervention with the carriers to address delays, bad orders, and out-of-route shipments, as well as improving data quality and completeness. Our goal is to keep your shipments moving to final destination.

Case Study – Our rail track, trace and intervention services helped a company using rail cars save \$4.1 Million

- Expedited fleet return an average of 2 days earlier, saving \$3.3 Million
- Prevented unauthorized use on 30 cars per month, saving \$500,000
- Resolved 90 misrouted and lost railcars per month, saving \$300,000



Carrier performance monitoring and reporting.

Our comprehensive carrier performance service gives you access to critical metrics so you can make more informed decisions about carriers. Report options include corridor performance, transit trends, and segment analysis reports. Reports can also be customized based on your specific needs.

Extended Visibility Services. With many optional modules from which to choose, we can help build a customized visibility solution that meets your needs:

- **Car Supply Management** – Save money with our asset distribution services and partner identification analysis. We analyze your empty car demand, forecast, and manage car supply fulfillment.
- **Detention and Demurrage** – Gain a complete view of your transportation picture with our services, which combine high quality, complete data, cost allocation tools, support services, and performance management tools to help you forecast and manage your costs.
- **Analytics and Performance Metrics** – Get a handle on your overall fleet performance metrics with analytics services such as: lane and carrier performance measurement, key performance indicators evaluation, traffic lanes and carriers benchmarking, and key trend exceptions alarms

VMI Case Study – A 3sixty Rail-Intermodal customer saved \$46,000 in working capital and \$53,000 in modal conversion with our services:

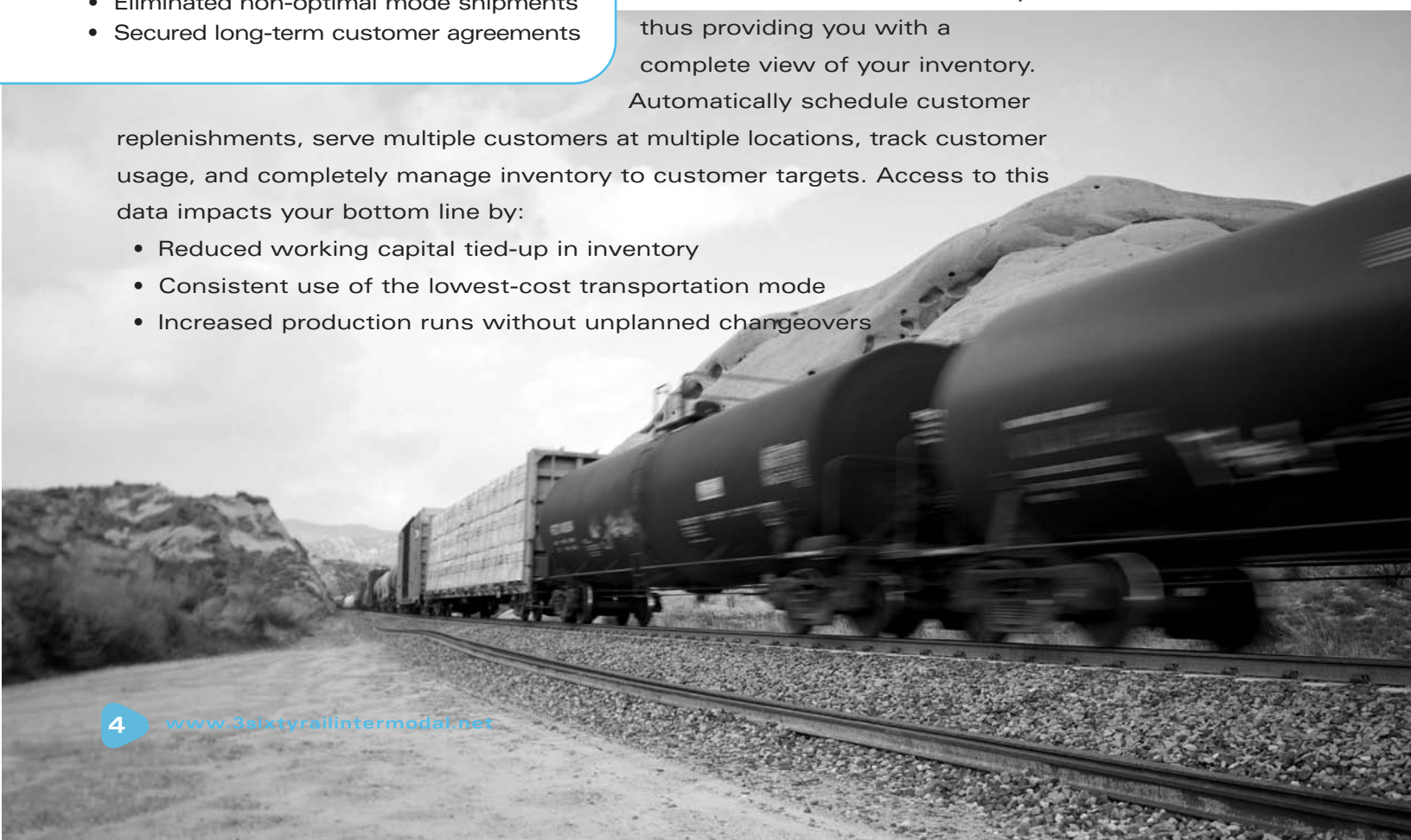
- Reduced customer inventory levels by 30 percent
- Eliminated non-optimal mode shipments
- Secured long-term customer agreements

Vendor-Managed Inventory.

Our vendor-managed inventory solution allows you to evaluate stock levels at remote locations and integrates end-user consumption with available stock-on-hand and in-transit inventory, thus providing you with a complete view of your inventory.

Automatically schedule customer replenishments, serve multiple customers at multiple locations, track customer usage, and completely manage inventory to customer targets. Access to this data impacts your bottom line by:

- Reduced working capital tied-up in inventory
- Consistent use of the lowest-cost transportation mode
- Increased production runs without unplanned changeovers



Yard and Terminal Management. Our sophisticated, intuitive yard and terminal management system efficiently manages equipment within a terminal, while providing inventory monitoring through RFID technology. Fully integrated with the 3sixty Fleet Management system, you can easily monitor vehicle location, mechanical specifications, equipment status, conduct inspections, and create switch lists.

Multi-modal Shipment Management. Whether your assets are being moved by truck, vessel or barge, our multi-modal shipment management services allow you to efficiently manage your transportation needs.

- Single world-class visibility tool for all modes
- Multi-modal asset and shipment track and trace, services, data cleansing, and intervention services
- Inbound, in-terminal, and outbound visibility of inventory at the SKU level
- Integration to transload facilities

Tailored, Integrated Solutions Help You Focus On Your Core Business

The 3sixty Rail-Intermodal suite of products can substantially reduce your operational headaches. We offer a common rail industry visibility platform enabled by advanced technology, that's simply unparalleled in the industry. From total inventory visibility and detailed reporting functionality to maintenance management and operations management, we can create a tailored, integrated solution for you.

Call us today and let us develop a solution that meets the needs of your business.



