

TransCore – The Leader in Providing RFID-Based Transportation Solutions

TransCore has a seven-decade heritage of supporting the transportation industry and is the largest global manufacturer of transportation-based radio frequency identification (RFID) technology. More than 24 million tags and 45,000 readers have been deployed worldwide in various applications such as rail, truck, container and barge tracking and monitoring, electronic toll collection, traffic management, homeland security border control, airport ground transportation, parking, and secure vehicle access control.

TransCore's experience covers the transportation spectrum and includes design, integration, installation, operations, and maintenance of small and large transportation systems, including design and manufacturing of RFID and SatCom wireless technologies.

Freight Terminal Access Control Application

TransCore delivers field-proven, fleet management solutions. Low initial RFID system costs plus savings accrued from automating critical terminal and management functions ensure a quick return on investment. Along with our RFID systems, TransCore offers satellite-based technology for enhanced asset management capabilities.

TransCore's RFID tags work in conjunction with our SmartPass[®] readers to provide efficient equipment utilization, improved asset management, and increased security. The system works using fixed-site or mobile readers that read the embedded data on the transportation RFID tags, which are mounted on vehicles. This data is captured by the reader and sent to a host computer that records the passage of tag-equipped vehicles into or out of each reader-equipped terminal location.

TransCore's access system integrates RFID technology with your current software. The resulting system automatically and continuously monitors readers, captures data, validates tags, opens gates, and updates equipment activity databases. The system provides accurate and reliable real-time tracking and monitoring.

For fleet managers, these solutions translate into tightened security, improved asset control, and increased productivity and profitability.

Freight Terminal Access Control Benefits

Whether you have one terminal location or hundreds nationwide, TransCore's fleet-monitoring and management hardware provide significant benefits, including:

- Increased productivity and reduced costs
- Automatic, hands-free data collection, which extends personnel productivity
- Improved asset utilization and management via real-time equipment-availability and shipment-arrival information
- Increased customer satisfaction
- Reduced dwell time due to faster vehicle entry/exit and authorization for fueling, washing, or maintenance

- Increased security via continuous, automatic monitoring and tracking
- Simplified interface into existing software platforms

Selected Freight Terminal Access Control Customers:

- **Costco, Issaquah, Washington**
This installation for Costco Wholesale comprises fleet management in conjunction with a fully automated yard management system. Costco selected TransCore's RFID technology as part of its automated yard management system. The system automatically records the entrance and exit of trucks at Costco's major distribution centers. The RFID system directly interfaces to Costco's automated yard management system that facilitates the optimal movement, placement, and dock assignments of trailers at major distribution centers.
- **FedEx[®] (Formerly American Freightways Corp.), Harrison, Arkansas**
The FedEx Freight East installation utilizes TransCore's fleet management for ground vehicle operations. FedEx Freight East has accelerated operations through the use of Amtech[®]-brand wireless identification systems to manage more than 20,000 trucks, trailers, and dollies.
- **First Student, Boston, Massachusetts**
This installation employs automated fleet management including odometer mileage collection for route compliance, preventive maintenance and fuel applications. First Student selected TransCore's RFID technology to vastly improve the management and utilization of equipment. First Student utilizes TransCore's technology to manage 700 school busses operating out of five terminal locations. The system automatically records school bus entrance/exit activity.

The automatic recording of exit and entrance information is used to ensure accurate payroll calculators and driver utilization performance parameters. The system can enhance the on-time arrival of school busses at school locations, which is an important consideration especially during the winter season.
- **Matson, Oakland, California**
Matson utilizes a fully automated gate processing system for trucks, containers, chassis, and generator sets. They selected TransCore's RFID solution at their major port locations in Seattle, Oakland, Long Beach, Honolulu, and the Hawaiian islands. Matson has tagged 23,000 containers, 14,000 chassis, 500 generator sets, and 350 trucks. The system automates gate processing of all tagged equipment, enhancing data accuracy and consistency and provides a 20 minute turn time for those trucks using Matson's terminal locations.
- **Old Dominion Freight Line, Thomasville, North Carolina**
The Old Dominion installation employs automated fleet operations. This less-than-truckload freight carrier chose TransCore's RFID technology to complete its wireless fleet asset management system. Old Dominion Freight Line originally installed the system at 40 sites and has since added 77 sites. The TransCore system provides ODFL with immediate, timely, and accurate tracking information on all power units, trailers, and dollies. The system enables better freight-management decisions,

provides detailed performance data, and enhances customer services such as shipment tracking.

- P&O Ports, New Orleans, Louisiana
P&O Ports of New Orleans uses an RFID system that is part of the innovative "GEMS" gate processing scheduling system. P&O Ports North America selected TransCore to implement a wireless access and tracking system for its operation at the Port of New Orleans, the world's busiest port complex. The system automates the handling of the thousands of container trucks that use the terminal annually. It electronically identifies individual trucks as they approach the new Napoleon Avenue Container Terminal, granting or denying them access, providing direction, and tracking their location and activity as they enter, maneuver within, and depart from the terminal. The system improves the container terminal's productivity and security with a projected increase from 40 to 60 transactions per hour to 240 per hour.