

# Rail Freight and Mass Transit

World of Experience



## Accurate, Real-time Data for Better Utilization and Efficiency

TransCore's Automatic Equipment Identification (AEI) solutions use Radio Frequency Identification (RFID) technology to increase equipment utilization, and reduce re-handles, dwell times, and overhead.

Mass transit rail agencies use TransCore systems for automatic train positioning, condition-based monitoring, and fault detection. Reliable, accurate data reduces operating costs and improves passenger safety.

Applications:

### **Automatic Equipment Identification**

Railcar and equipment tracking · Yard management/  
equipment inventory control · Gate access control · Fuel  
terminal authorization

### **Automatic Equipment Monitoring**

Locomotive, generator, or refrigerator fuel level assessment  
Cushioning device monitoring · Moisture and lead detection  
Temperature monitoring

### **Automatic Train Positioning**

Identifies train location · Monitors train speed · Controls  
arrival and departure information · Controls onboard  
announcements

### **Benefits:**

- ▶ Improves asset tracking, management, and utilization
- ▶ Reduces operating costs
- ▶ Facilitates real-time reporting
- ▶ Eliminates costly human errors
- ▶ Improves safety
- ▶ Enhances reliability

**TRANSCORE**  
Trusted Transportation Solutions

TransCore is the only company to meet AEI industry standards worldwide.

AAR · ISO · CEN · ANSI · ATA

#### AFRICA

Botswana Railways - Mahalapye - Botswana  
Mauritania Railway - Zouerate - Mauritania  
Transnet Freight Rail - Johannesburg - South Africa

#### ASIA

Urban Metro - Beijing, Chengdu - China  
Urban Metro - Hangzhou, Shanghai - China  
Urban Metro - Shenyang, Tiancheng - China  
Urban Metro - Tianjin, Xi'an - China  
Ministry of Transport - Nationwide - China  
KCRC - Hong Kong  
MTR Corporation - Hong Kong  
Penny's Bay - Hong Kong  
Ministry of Railways - Bhubaneswar, Delhi - India  
Ministry of Railways - Gandhinagar, Mumbai - India  
Ministry of Railways - Visakhapatnam - India  
Shikoku Railway Company - Tokyo, Hiroshima, Nagasaki - Japan  
Teito Rapid Transit Authority - Tokyo, Hiroshima, Nagasaki - Japan  
Singapore Mass Rapid Transit (North, South, East, West Lines) - Singapore  
Korail - Seoul, Bussan - South Korea  
Sin Bundang Line - Seoul, Incheon, Bussan - South Korea  
Taipei Metro - Taipei - Taiwan - ROC  
Turkish State Railways - Konya High Speed Line - Ankara - Turkey  
Urban Metro - Kuala Lumpur - Malaysia

#### AUSTRALIA

Pacific National Rail - Sydney, Melbourne - Australia  
Pacific National Rail - Adelaide, Brisbane, Perth - Australia  
Queensland Railway - Brisbane - Australia  
BHP Biliton - Port Hedland - Australia  
Rail Corp - Sydney - Australia

#### EUROPE

KLD - Vienna - Austria  
Krems Chemie - Vienna - Austria  
Vienna Transport - Vienna - Austria  
Brussels Metro - Brussels - Belgium  
Compagnie Nouvelle de Conteneurs - Paris - France  
Norsider - Paris - France  
SCAC Delmas Vieljeux - Paris - France  
Sollac - Paris - France  
Hamburg Metro - Hamburg - Germany  
Kombiverkehr - Munich, Hamburg - Germany  
Ferrovie dello Stato - Naples, Milan - Italy  
Koltech - Naples, Milan - Italy  
Polskie Koleje Panstwowe - Warsaw - Poland  
OMV - Bucharest - Romania  
Barcelona Metro - Barcelona - Spain  
Madrid Metro - Barcelona - Spain  
Red Nacional de los Ferrocarriles Espanoles - Madrid, Barcelona - Spain  
Semat - Madrid, Barcelona - Spain

#### EUROPE, Cont'd

Malmaban Ore Line - Stockholm - Sweden  
Schweizerische Bundesbahnen - Zurich - Switzerland  
Turkish State Railways - Konya High Speed Line - Ankara - Turkey  
Combined Transport Limited - London, Chippenham - U.K.  
Eurotunnel - London, Chippenham, U.K.  
London Underground - London, Chippenham, U.K.

#### NORTH AMERICA

Canadian National Railroad - Montreal - Canada  
Canadian Pacific Railway Company - Calgary, Vancouver, Canada  
Toronto Transit - Toronto - Canada  
Ferromex - Monterrey, Mexico City - Mexico  
Kansas City Southern de Mexico - Monterrey, Mexico City, Mexico  
Burlington Northern Santa Fe Railroad - Dallas-Fort Worth, TX - U.S.  
Chicago Transit Authority - Chicago, IL - U.S.  
CSX Transportation - Jacksonville, FL - U.S.  
Dallas-Fort Worth Airport - Dallas-Fort Worth, TX - U.S.  
Dulles Airport Project - Washington, D.C. - U.S.  
Jacksonville Transit Authority - Jacksonville, FL - U.S.  
JFK Airport - New York City, NY - U.S.  
Kansas City Southern Railway Company - Kansas City, MO - U.S.  
Las Vegas Monorail - Las Vegas, NV - U.S.  
Massachusetts Bay Transportation Authority - Boston, MA - U.S.  
Metropolitan Atlanta Rapid Transit Authority - Atlanta, GA - U.S.  
Newark Airport Authority System - Newark, NJ - U.S.  
New Jersey Transit - Newark, NJ - U.S.  
New York City Transit Authority - New York City, NY - U.S.  
Norfolk Southern Railway - Atlanta, GA - U.S.  
San Francisco Bay Area Rapid Transit - San Francisco, CA - U.S.  
Seattle Tacoma Airport - Seattle, WA - U.S.  
Sound Transit - Seattle, WA - U.S.  
Southeastern Pennsylvania Transit Authority - Philadelphia, PA - U.S.  
Union Pacific Railroad - Omaha, NE - U.S.  
Washington Metropolitan Area Transit Authority - Washington, DC - U.S.

#### SOUTH AMERICA

Vale - Espirito Santo, Maranhao, Belo Horizonte - Brasil  
Sao Paulo Metro - Sao Paula - Brasil  
CPTM - Sao Paulo - Brasil  
Prodelco - Santiago, Concepcion - Chile

**For more information:**

**Call 800.923.4824**

**[transcore.com/rfid](http://transcore.com/rfid)**