



## **Transportation Industry Solutions**

*that let you...*

- *Control and reduce your cost of operation*
- *Improve efficiency in your business processes*
- *Reduce time to market*
- *Focus on your core business activities*

In times of economic downturn, it's the IT spend that often feels financial pressures. Challenges range from managing business critical IT systems with reduced IT budgets to achieving increased profitability through customer acquisition / retention and real time services.

Tata Infotech has been helping its customers face this challenging environment, by sharing risks and reducing cost through its proven delivery model providing typical savings to the tune of 40%.

Leading organizations across Aviation, Shipping, Railroads, Trucking, Warehousing, Multi-Modal Transport, Logistics, Travel and Tourism have benefited from the cost-effective solutions provided by Tata Infotech. Our dedicated Transportation Practice helps increase the ability to do business by enabling use of appropriate technology, while managing the trade-off between operating expenditures and capital outlays, and maximizing return on investment.

Tata Infotech focuses on problems specific to the industry and strives to provide the most suitable solutions that yield maximum ROI from technology. Domain experts with industry background make it easier to understand and translate business requirements into technology solutions.

Quality	Efficiency	Lower cost
<b>Transport Industry Experience</b> <b>Aviation</b> <ul style="list-style-type: none"> <li>Airlines</li> <li>Airports</li> </ul> <b>Railroad</b> <b>Logistics &amp; Warehousing</b> <b>Shipping</b> <b>Ports</b> <b>Travel &amp; Hospitality</b> <ul style="list-style-type: none"> <li>Tour Operators &amp; Travel Agencies</li> <li>Cruise Companies</li> <li>Hotels &amp; Restaurants</li> <li>Vehicle Rental Companies</li> </ul>	<b>Service Offerings</b> <b>Application Services</b> <ul style="list-style-type: none"> <li>Development and Maintenance</li> <li>Testing Services</li> <li>Implementation</li> <li>Reengineering and Web-enabling</li> </ul> <b>Systems Integration Services</b> <b>Infrastructure Services</b> <ul style="list-style-type: none"> <li>24 x 7 Support</li> <li>Facilities Management</li> </ul> <b>IT Enabled Services</b> <ul style="list-style-type: none"> <li>Call Center</li> <li>Help-desk Services</li> <li>Business Process Outsourcing</li> </ul>	<b>Technology Offerings</b> <b>Business Intelligence</b> <b>Customer Loyalty Systems</b> <b>Enterprise Application Integration (EAI)</b> <b>Enterprise Information Portals (EIP)</b> <b>Smart Cards</b> <b>Self Service Kiosks</b> <b>Security Consultancy / Audit</b> <b>MIS Services</b> <ul style="list-style-type: none"> <li>Financial Accounting-AR/AP/GL</li> <li>Payroll Processing &amp; HRMS</li> <li>Applications Accounting</li> </ul>
<b>Products</b> <b>Airlines –</b> <ul style="list-style-type: none"> <li><i>Open/Air Checkin System™</i></li> <li>Catering Back-office System (CBS)</li> </ul> <b>Railroad -</b> <ul style="list-style-type: none"> <li>RailSoft</li> <li>TopRail</li> </ul>		

## Transportation Industry Competence

### Airlines and Airports

- Passenger Services
- Customer Loyalty System
- Departure Control System
- Travel Distribution
- Freight Management
- Operations Control
- Maintenance and Facilities Mgmt
- Crew Scheduling

### Railroad

- Traffic Planning & Scheduling
- Train Operations Control
- Freight Management
- Infrastructure Management
- Passenger Services

### Travel and Hospitality

- Reservations & Customer
- Services
- Sales & Marketing
- Customer Check-in/CheckOut
- Customer Loyalty Programs
- Operations Management

### Logistics and Warehousing

- Fleet Management
  - Fleet Planning and Scheduling
  - Timetabling
  - Crew Scheduling
- Container Depot Management
- Warehouse Management System
- Preventive Fleet Maintenance
- Distribution Management

### Shipping and Ports

- Planning & Scheduling
  - Ship Planning and Scheduling
  - Berth Planning & Yard Planning
  - Crew Scheduling
- Port Operations Management
  - Vessel Operations
  - Cargo Handling
  - Yard Operations
  - Gate & Truck Monitoring
  - Commercial Documentation
- Preventive Maintenance Mgmt

## Case Studies

### Freight Management System

Tata Infotech implemented freight management system for a major north atlantic air carrier. The modules included cargo tracking, rating and booking facilities, automatic rating of airway bills, a comprehensive accounting package, revenue enhancement and MIS tools. Tata Infotech also provided added functionality, enhanced bilingual user interface, comprehensive testing, and pre and post installation support. The system provided automatic generation of miscellaneous charges.

*Increased functionality*  
*Enhanced audit control rating*

### Fleet Planning/Scheduling System

Tata Infotech implemented a Tanker Scheduling System for a Government Planning & Regulatory Agency. The system equipped business users with a decision support system that enabled them to generate and create alternatives for efficient transportation of petroleum crude to refineries and products to distribution and consumption areas. The solution enabled fleet composition for constraints/risks like parcel sizes, commodity types, inventory costs and dryouts

*Improved fleet planning*  
*Enhanced Cost Savings*

### Integrated ERP for Railroad

The project for one of the most forward looking Railroads in India, involved computerization of all functions of railroad operations in an integrated solution. The application had modules covering Operations, Train Control, Commercial Coaching & Freight, Claims, Inventory, Track & Structure Maintenance, Electricals, Signal, Telecom, Rolling Stock Motive Power & Wagon, Financial Accounting, Expenditure Authorisation, Traffic Accounts, Health & Administration, Personnel, Security and Office Automation.

*Reduced cost of operations*  
*Automated train control*

### B2B Exchange Portal

The portal serving as a B2B exchange for Shipping Industry, acts as a single point interface enabling buyers and sellers (Including chartering and leasing) of the shipping industry to exchange information, enter into transactions and track deals online. Tata Infotech provided consulting for the portal and services in Networking, Solution Architecture, e-Business application development, Content management, shopping experiences, call center for 24 x 7 support, imaging for capture of documents and GIS.

*Expansion of supplier/creditor base*  
*Reduction in inventory*

#### For further information:

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