



TRIMAX

Answering needs.
Integrating technologies.

Case Study

Uttar Pradesh State Road Transport Corporation (UPSRTC) has partnered with Trimax for implementing Intelligent Transport Management System (ITMS) on Build Own Operate and Transfer (BOOT) basis for 5 years. Scope of work involves development of software, supply of servers and other required infrastructure, establishment of connectivity across 107 depots, setup of Data Centre and Disaster Recovery Site. The comprehensive solution has enabled UPSRTC with the required edge and reputation as a technologically advanced Public Limited Company and helped it modernize itself for higher customer satisfaction and revenue benefits.



**Intelligent Transport Management System
Embarking on a new journey with (ITMS)**

Solution Overview

Development and implementation of a comprehensive e-ticketing solution that has helped a public transport / mass transit provider meet the dual demands of convenience to passengers and streamlined efficient operations. The solution enables in-bus e-ticketing and online booking system, performing live transactions through a payment gateway. It involves providing infrastructure, software solution and IT services to enable voluminous data management and provisioning of seamless connectivity for efficient operations.

In addition to delivering swifter, simpler, safer travel to passengers, this solution enables efficient fleet management and minimizes revenue leakage.

Client

Uttar Pradesh State Road Transport Corporation (UPSRTC) is a leading passenger road transport organization in India having a fleet of over 9000 buses. It has deployed over 20000 conductors for these buses. More than 14 lakh passengers (on an average) use the UPSRTC services daily.

Key Challenges

- ▶ Operational inefficiency in managing manpower and bus fleet
- ▶ Inaccurate and delayed MIS reports from depots to the central office due to manual process
- ▶ Delayed revenue reconciliation
- ▶ Higher cost of manual ticketing process
- ▶ Inefficient fund management system resulting into revenue leakage
- ▶ Tedious customer process for advance ticket booking and cancellation

Solution Components

ITMS offerings include:

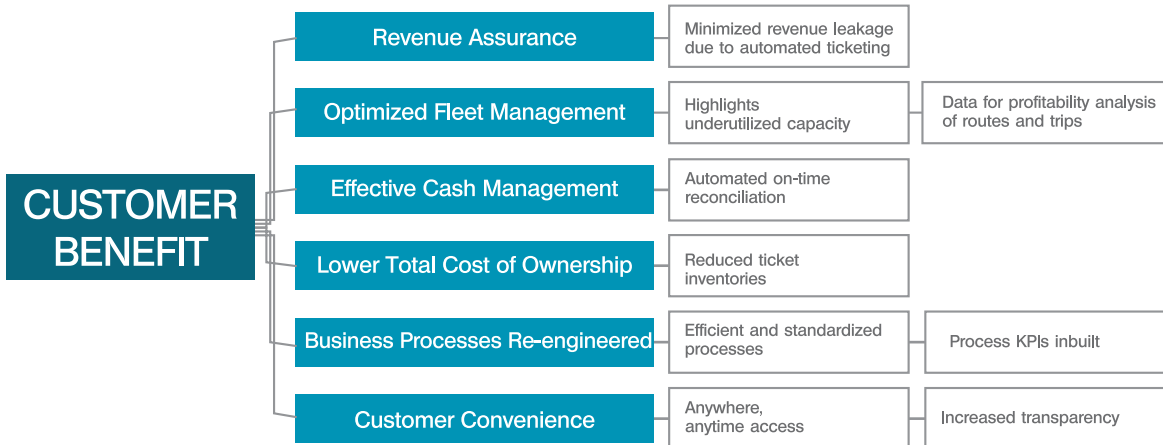
1) Business Solution

- ▶ Integrated Ticketing System
 - ETM based ticketing
 - Counter ticketing
 - Online Reservation System
 - MST and Prepaid Travel Cards
- ▶ Vehicle Tracking System
 - VTS device
 - Vehicle Tracking Software at Central and Regional Control Centres
 - Fuel Level Sensor
- ▶ Passenger Information System
 - Automatic Announcement System
 - PIS display at bus station
 - Bus In-Out Tracking
 - Advertisement Management System
 - Call Centre, IVRS, SMS and Online PIS systems
- ▶ MIS, Analytics and Decision Support System

Case Study

2) Infrastructure Solution Scope

- ▶ Data Centre, Disaster Recovery and Network
 - Head Office Infrastructure
 - Central Control Centre
 - Network Equipments
 - MPLS - VPN
- ▶ Regional Office Infrastructure
 - Regional Control Centre
 - Network Equipments
 - MPLS - VPN
- ▶ Bus Depot Infrastructure
 - Desktop and Peripherals for ETM, VTS and Fuel Level Sensor management and maintenance
 - Network Bandwidth
- ▶ Bus Station Infrastructure
 - Bus station Counter Infrastructure
 - Bus In-Out Tracking Infrastructure
 - PIS System Infrastructure
 - Network Bandwidth
- ▶ Bus Infrastructure
 - ETM, VTS, Fuel Level sensor



About Trimax

Established in 1995, Trimax IT Infrastructure & Services Ltd. (Trimax) offers managed IT services, data center and cloud services, customized industry specific solutions, turnkey solutions and custom application services. Our clientele includes state governments, public sector undertakings, and business enterprises across banking, insurance, telecom, transport and energy (oil & gas) sectors. We have proven expertise in managing large and complex IT Infrastructure projects with a pan-India coverage. Our flexible engagement model enables customers to balance their CapEx and OpEx investments with their business priorities.



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Trimax IT Infrastructure & Services Ltd.

ISO 9001:2008, ISO 27001:2005 & ISO/IEC 20000-1:2005 Certified Company

Managed IT Services • Data Centre Services • Cloud Computing • Application & Business Intelligence Services

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