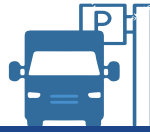




# eTrans TPMS



## SMARTER TRANSPORT PARK/PARKING LOT MANAGEMENT STARTS HERE!



### eTrans Transport Park Management System (TPMS) with its powerful integration of RFID and GPS technology ensures:

- Smooth vehicle movement
- Accurate, real-time monitoring
- Zero unauthorized access
- Reduced manual interventions

The TPM system enhances operational efficiency, improves safety compliance and ensures smooth vehicle movement in transport parks/parking lots. The integration with VTS further optimizes logistics and tracking, reducing manual interventions and errors. This system using a combination of RFID/GPS technology ensures seamless, secure, and efficient access control for vehicles entering the premises. By implementing this system, organizations can improve security, reduce unauthorized access, monitor vehicles in real-time and maintain an accurate log of vehicle movements.

### How eTrans TPMS Transforms Your Park

#### KEY BENEFITS



**Enhanced Security:** Blocks unauthorized vehicles and prevents trespassing.



**Faster Entry and Exit:** Automated access control reduces delays.



**Data Logging & Monitoring:** Tracks every vehicle movement for security and analytics.



**Real-Time Tracking:** Integrated GPS and RFID ensure precise entry, stay and exit tracking.



**Improved Operational Efficiency:** Reduces detention time, accelerates vehicle flow and streamlines operations.



**One-Time Validation:** Eliminates repetitive processes with automated compliance alerts.



**Scalable & Future-Ready:** Easily expands to manage more vehicles and entry points.



### Why eTrans TPMS?

The eTrans Transport Park Management System (TPMS) is a cutting-edge solution designed to:

- ✓ Streamline vehicle & personnel management within transport parks/parking lots.
- ✓ Reduce congestion & detention time.
- ✓ Enhance security & eliminate unauthorized access.
- ✓ Ensure compliance with regulations. With one-time registration & automated processes, TPMS saves time and reduces repetitive tasks for customers, transporters and drivers.

EXPERIENCE THE FUTURE OF TRANSPORT PARK MANAGEMENT

*Streamline. Secure. Simplify.*



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## KEY FEATURES

### 1. Registration & Mapping

**Customer Registration:** Customers provide required details for onboarding.

**Transporter & User Registration:** Transporters are registered to allocate vehicles.

**Vehicle & Owner Registration:** Vehicle owners provide necessary documents for vehicle registration.

**Driver Training & Registration:** Drivers undergo safety training, driving simulation and an evaluation process before being registered.

**Customer-Transporter Mapping:** Ensures efficient vehicle allocation by linking customers and transporters.

### 2. Order & Loading Process

**Delivery Order (DO) Creation:** Orders are created based on information provided by the Corporates, ensuring controlled lifting against a consignment.

**e-Loading Advice (LA) Generation:** Transporters generate LAs based on available quotas.

**Transport Park Entry:** Security validates LAs before granting vehicle entry.

### 3. Safety & Parking

**Vehicle Safety Check:** Vehicles undergo mandatory inspections, including biometric driver authentication and alcohol testing.

**Vehicle Lane Entry & Parking:** RFID scanners ensure vehicle Entry/Exit and stopping in designated lanes inside the Parking Lot.

### 4. Smart Card System

**Smart Card Generation:** Cards are assigned to vehicles, integrating with VTS (Vehicle Tracking System) / ERP for monitoring.

**Exit Process:** Cards are handed over and vehicles exit towards the loading plant.

### 5. TPM-VTS/ERP Integration

Data such as vehicle details, trip information and entry/exit times are shared via API for seamless tracking and operational efficiency.

### 6. Portable GPS Device - In-Plant Operations (Optional)

Provided to transporters for in-plant trips within premises.

The image displays four screenshots of the eTrans TPMS mobile application interface:

- Driver Training:** Shows a training session for JH021992152792. It includes a table for questions, attempted answers, and correct answers. The training status is 'Pass' and the licence validity date is 26-09-2022. Training validity options are 1 Day (1), 1 Week (7), 1 Month (30), 2 Month (60), and 3 Month (90).
- Delivery Orders:** Shows a list of active delivery orders. The first order is for DO Number 9516137427, Customer Name Tata Power Com Ltd, Material WSK TAILINGS, Valid Entry Time 09:54 - 19:56, DO Type INSTITUTIONAL, DO Quantity (Ton) 211.23, DO Rate Quantity 0.0, Created On 19-05-2022, DO Valid Up to 30-06-2022, Permit Number C12200061, Permit Validity Date 31-05-2022, and DO Status In Process.
- Park Entry Check:** Shows a search for a vehicle number. The vehicle number entered is BR25GA1813. The search results show DO Type RETAIL, DO Number 9516140364, LA Number LA000000000192831, Booking ID 95379, LA Quantity (Ton) 25.0, LA Status Active, LA Create Date 27/05/2022 04:09, LA Validity Date 27/05/2022, WSK TAILINGS, Material Entry Start Time 03:54:00, Material Entry End Time 19:55:00, Permit No C52202660, Permit Validity Date 30/06/2022, Safety Status Not Done, and Safety Date NA.
- Safety Check:** Shows a safety checklist for a vehicle. The checklist includes items like Scotch Block, Condition of Doors, Condition of Tyres, Three Piece Mirror, and Brakes, each with a status of 'Ok' or 'Not Ok'.

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