

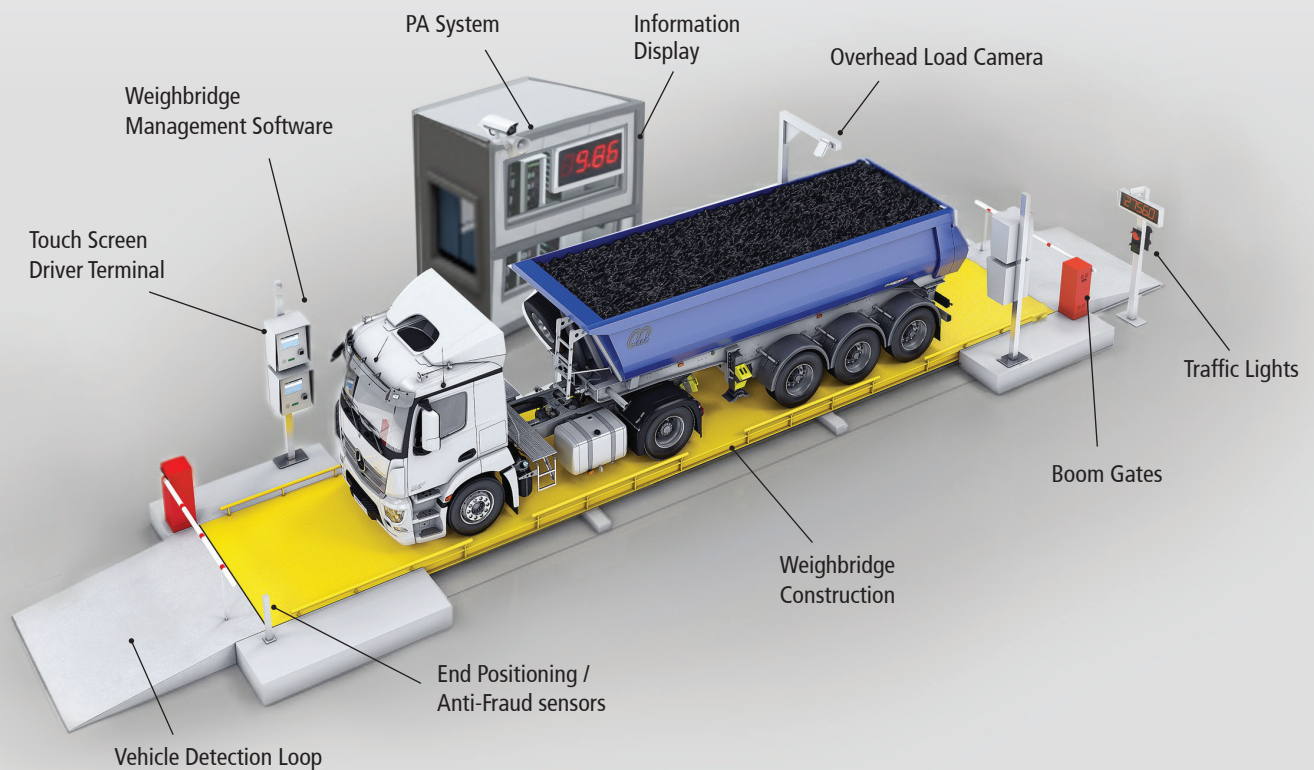
**WEIGH  
SMARTER.  
OPERATE  
FASTER.**



**Transform your weighbridge operations with Intelligent Weighbridge Management System (IWMS) from eTrans Solutions.**

Our smart, automated IWMS delivers accuracy, transparency, and speed - integrating real-time data capture, seamless system integration, and advanced analytics to eliminate manual errors, prevent pilferage, and optimize throughput.

Gain complete visibility across locations, ensure compliance and make faster, data-driven decisions- while reducing operational costs and downtime.



**BENEFITS**

eTrans IWMS offers several advantages over traditional, manual weighbridges:



**24/7 Operations:** Works continuously without the need for an operator.



**Reduced Costs & Errors:** Eliminates manual data entry, reducing labor costs and likelihood for human error or manipulation.



**Enhanced Security:** CCTV surveillance and automated authentication prevent fraud and ensure secure transactions.



**Increased Efficiency:** Speeds up the weighing process and vehicle turnaround time.



**Real-time Visibility:** Provides managers with instant access to reports and tracking data for better decision-making.

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## KEY FEATURES

### **AUTOMATIC VEHICLE IDENTIFICATION**

Utilizes RFID technology to detect and verify vehicles at the entry point.

### **AUTOMATED WEIGHING PROCESS**

Seamlessly handles weigh-in and weigh-out with minimal manual input.

### **REAL-TIME WEIGHT CAPTURE**

Load cells and PLCs capture accurate weight data instantly.

### **BOOM BARRIER & TRAFFIC LIGHT INTEGRATION**

Ensures controlled vehicle flow and systematic operation.

### **UNMANNED WEIGHING MODE**

Voice prompts guide drivers through the process, eliminating the need for operators.

### **DATA SYNC & REPORTING**

Automatically syncs data with cloud systems and generates customizable reports.

### **STEP-BY-STEP DRIVER GUIDANCE**

Voice announcements guide drivers through:

- Vehicle positioning
- RFID TAG scanning
- Weighing
- Ticket collection

## KEY PERIPHERAL DEVICES:

### **RFID Readers and Tags**

For automatic vehicle identification and verification.

### **Weighbridge**

Integrated with load cells and controllers for precise weight measurement.

### **Printers & Voice Announcement Systems**

Used for ticket generation and step-by-step driver guidance

### **LED Displays & Boom Barriers**

For real-time instructions and traffic control

### **Cloud Servers & Web Dashboards**

Enable real-time monitoring, centralized data storage and analytics.

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