WEIGH SMARTER. OPERATE FASTER.

eTrans®

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.

Labels: PA System · Information Display · Overhead Load Camera · Weighbridge Management Software · Touch Screen Driver Terminal · Traffic Lights · Boom Gates · Weighbridge Construction · End Positioning / Anti-Fraud sensors · Vehicle Detection Loop

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.
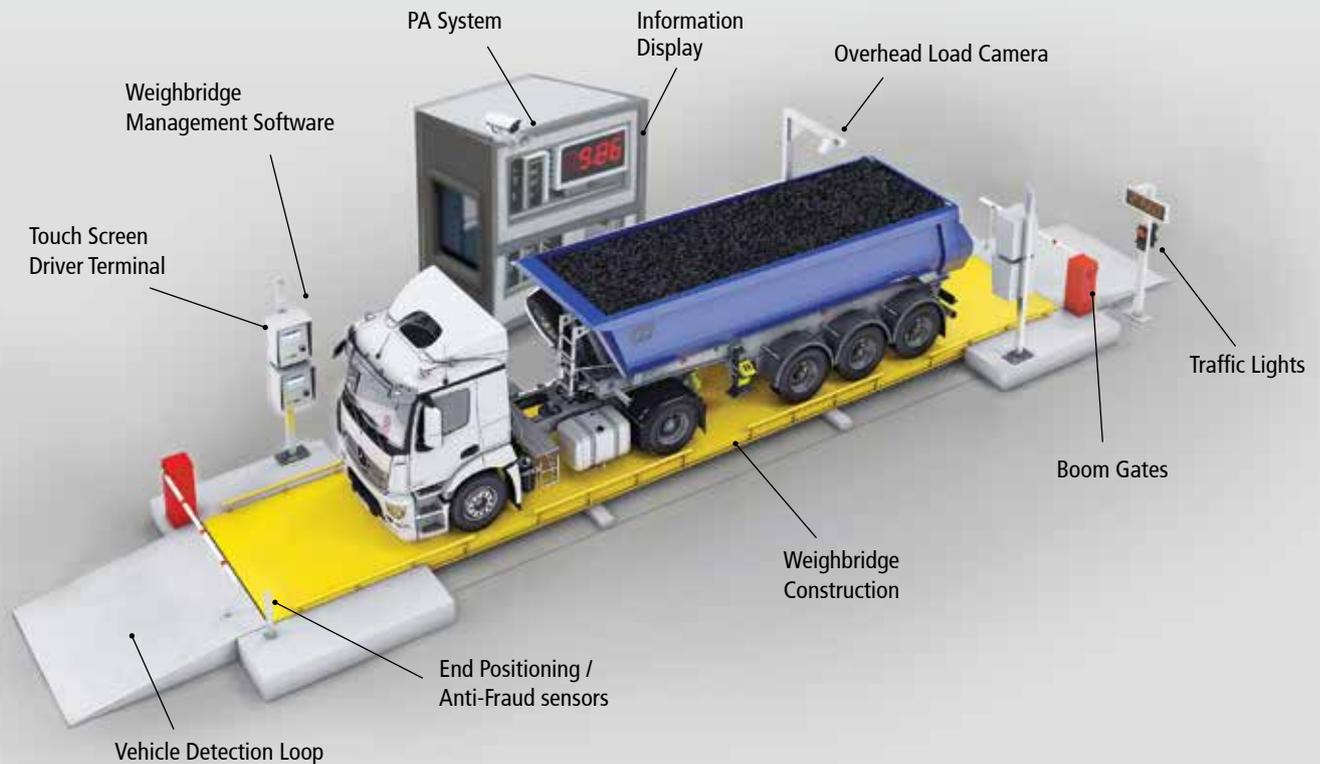
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KEY FEATURES

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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