



Unmanned WEIGHING

What is unmanned weighing?

Weighing automation is the future of weighing operations. Industries across the globe require weighing to measure materials across all the phases of the supply chain, which makes human reliance and dependency very dangerous. Endel Digital Solutions is here to solve all the problems created by the traditional weighment systems.



Manpower costs

Sites that run 24/7 operations require multiple weighbridge operators, the wages of the operators and the supervisors are a significant cost to the organization



Delay in operations

Manpower-dependent operations always experience delays due to unforeseen circumstances.



Errors in data capturing

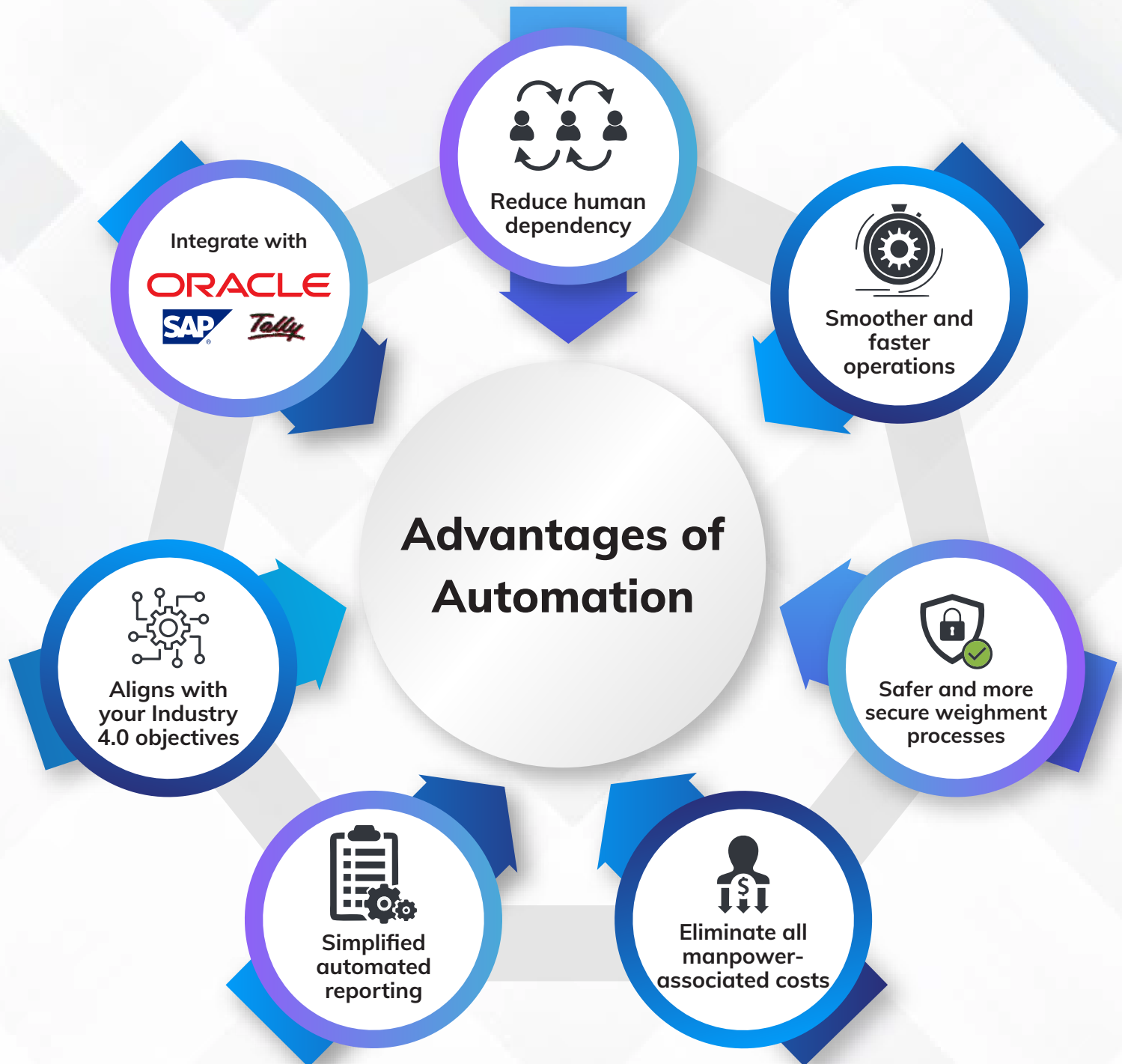
intentional or unintentional errors in the data capturing can cause significant discrepancies and issues moving ahead in the supply chain operations.



Difficulty in supervision and reporting

as all the data is manually captured, there are high chances of errors, which are difficult to fix at a later stage, and manually prepared reports are time consuming and inaccurate due to the inaccurate data.

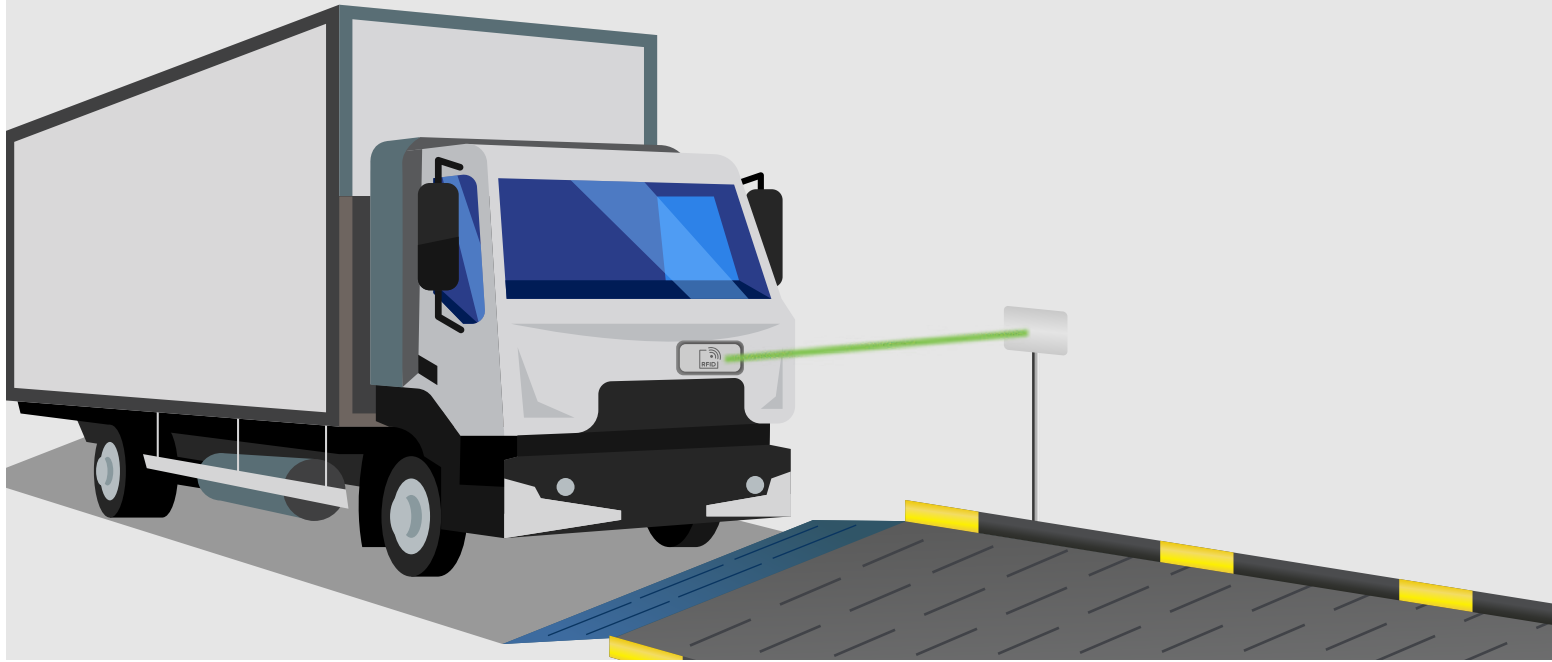
Why should you invest in upgrading your weighbridge?



How does an unmanned system works?

Phase 1: Authorization

This is a fail-safe method to ensure that only authorized trucks are entering the premises. Only after the data is captured from the RFID or the ANPR system, does the boom barrier open, and the truck enters the weighbridge.



Phase 2: Positioning

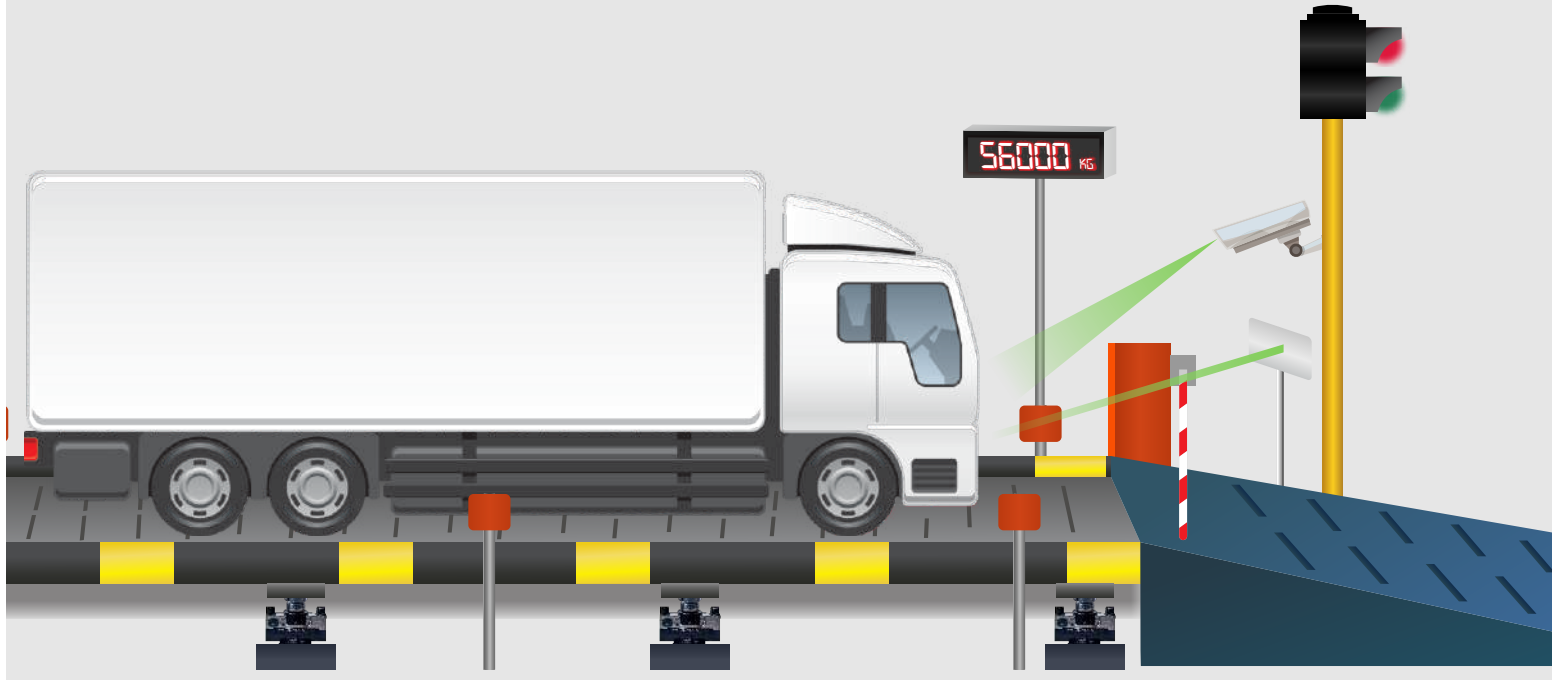
Mispositioned trucks do not give accurate weighment, this would cause the wrong data to be stored, and affect the rest of the supply chain processes. Our Unmanned System utilized position sensors to ensure that every single truck weighment is accurate.



How does an unmanned system works?

Phase 3: Weighment

CCTV/IP cameras are present to enhance security and safety. The system automatically captures various images of the truck, and stores it along with the weighment data. After all the data is stored on the system, the barriers open and the truck is allowed to leave.



Phase 4: Transaction completion

After the gross/tare weights are measured, automated text alerts/email alerts are shared to all relevant personnel. All the information, including the photos of the truck, are ready to view on all platforms, this includes the software, the cloud server, or the ERP platform.



Hardware Components



Control panel



RFID Reader /
ANPR Camera



IP Camera



Position sensors



Barricades



Traffic lights



Jumbo display




Announcement
system

Software Components

WeighMAST - Weighbridge data management software

This enterprise-focused weighbridge management software is suitable for any organization which requires accuracy, visibility, and traceability in its operations. WeighMAST allows companies to automate their entire weighbridge operation to achieve the same.



Company Name
Address
Email: ID@server.com

Transaction

Data Setup

Reports

Settings

Admin User
Logout

Load by Ticket/Vehicle No: Support Call: 1234567890

Transaction Report

Back

Transaction Date

From: 12/21/2021 12:00:00 A To: 1/5/2022 11:59:59 PM

Transaction Mode / Status / Type

Select Transaction Mode Select Transaction Status Select Transaction Type

Ticket No

From To

Master Field

Account

Product

Vehicle

Custom Fields

Gunny

Bag

Customer name

Field4

Field5

Field6

Field7

Field8

☒ Transaction Summary ☐ Transaction Detail

Automation software



This is a state-of-the-art automation software devised by our team, to ensure that all the various hardware components work seamlessly with one another. The complete automation system allows for every individual hardware to work in tandem and provide a complete weighing experience without any human intervention.

Cloud server integration (Optional)

WeighMAST on Cloud is the perfect solution for anyone operating remotely. If you are managing multiple weighbridges across various sites, this is the easiest way to consolidate all data on a single platform and view it from any browser. Get real-time data updates on your mobile, tablet, or PC.



ERP Integration

WeighMAST ERP integration allows for simplified workflow management, whilst eliminating the risk of inaccurate data entries. Integrate all your weighbridge operations with any ERP system, including Tally. Implement smart contract management with the help of our ERP integration, and take your organization towards Industry 4.0.

ORACLE



Gate management integration

Large organizations need to ensure security at their premises, integrate WeighMAST with your gate management system to better manage, control, and monitor all of your vehicle gate logs. Contact us to know more about our complete Gate management and Warehouse management system.



Our other Products



WeighMAST

This enterprise-focused weighbridge management software is suitable for any organization which requires accuracy, visibility, and traceability in its operations. WeighMAST allows companies to automate their entire weighbridge operation to achieve the same.



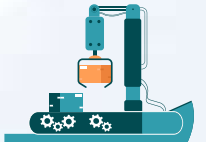
Gate management

Manage, control, and monitor the complete vehicle logs and visitor logs to your premises.



Tank weighing

Our tank weighing software solution helps you ensure that all the operations of your silos, tanks, hoppers, and vessels, are running smoothly to help endorse the productivity of your manufacturing processes.



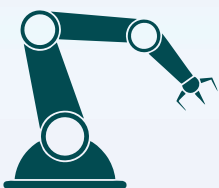
Batch processing

Enhance your batch manufacturing processes with our state-of-the-art solution to automate your checklists, worksheets, and reports.



Bluetooth mobile applications

Bluetooth mobile applications for weighing scales, are the easiest and efficient manner to capture the weightment data on your device, without any tampering of data.



State-of-the-art industrial automation solutions

We design and engineer custom- automated control solutions that reduce your overhead costs and wastages, to give your business the competitive edge that it needs to succeed.

END-TO-END INDUSTRIAL SOFTWARE PARTNER

Weighing Automation | Gate management | Tank weighing
Batch processing | Bluetooth mobile applications
State-of-the-art industrial automation solutions

SOME OF OUR NOTABLE CLIENTS



Endel Digital Solutions Pvt Ltd
1010-509, Collonade 2, Vikram Nagar Road,
Ahmedabad, india.

Phone number : +91 99796 12342

Email : info@endel.digital

Website : www.endel.digital

Recognised by Gujarat Government
as an innovative startup in the
Weighing Industry

#startupindia gusec



**ENDEL
DIGITAL**