NYGGS
AUTOMATION SUITE

Weighbridge Automation System

Always On The Right Side Of The Scale !

NYGGS
AUTOMATION SUITE

Companies require weighbridges to ensure compliance with government rules, accurate delivery of goods, and reduce the wear and tear caused to their fleets by overloading.

But the current manual weighbridge systems have multiple flaws including human error, inefficiency, data management, security risks, compliance issues, and operational limitations.

By using weighbridge automation, organizations can eliminate these issues and add further value to their business.

Inaccurate Weight Measurement

Manual data entry errors and unstandardized weighing procedures can compromise the accuracy and integrity of weight measurements.

Security Vulnerabilities

Susceptible to security risks such as unauthorized access, tampering, or fraud.

Data Challenges

Cannot process bulk data. Additionally, if data gets lost or destroyed, it cannot be recovered.

Limited Scalability and Flexibility

Limitations in scalability, making it difficult for companies to accommodate growing transaction volumes or adapt to changing operational needs.

OUR AUTOMATED SOLUTION

NYGGS
AUTOMATION SUITE

RFID Readers
Identify vehicles, automate weighing process and record data.

Position Sensors
Detect vehicle presence and enable weight capture accurately.

Surveillance Camera
Monitor activities, enhance security and record evidence.

Boom Barrier (OPTIONAL)
Control vehicle entry/exit and prevent unauthorized access.
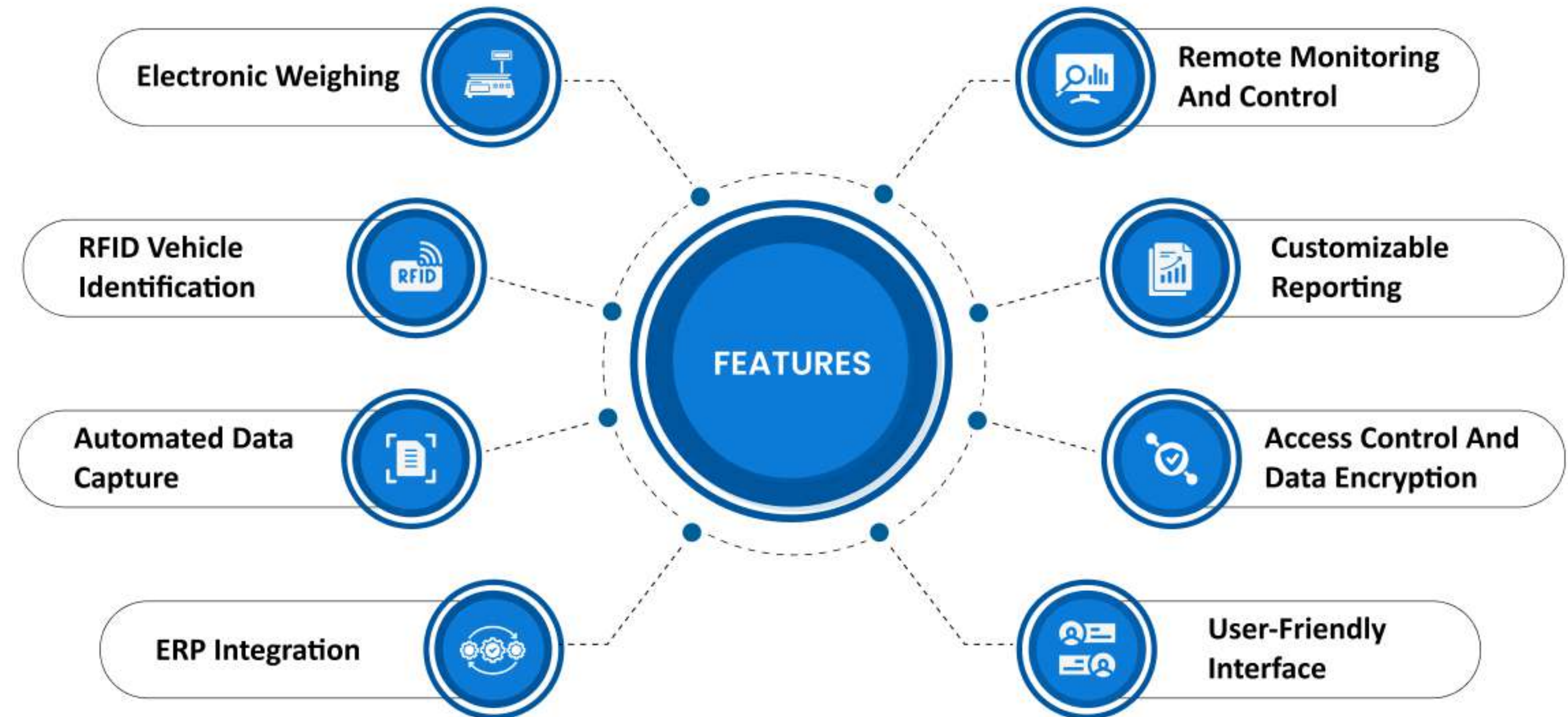
LED Display and Loudspeaker
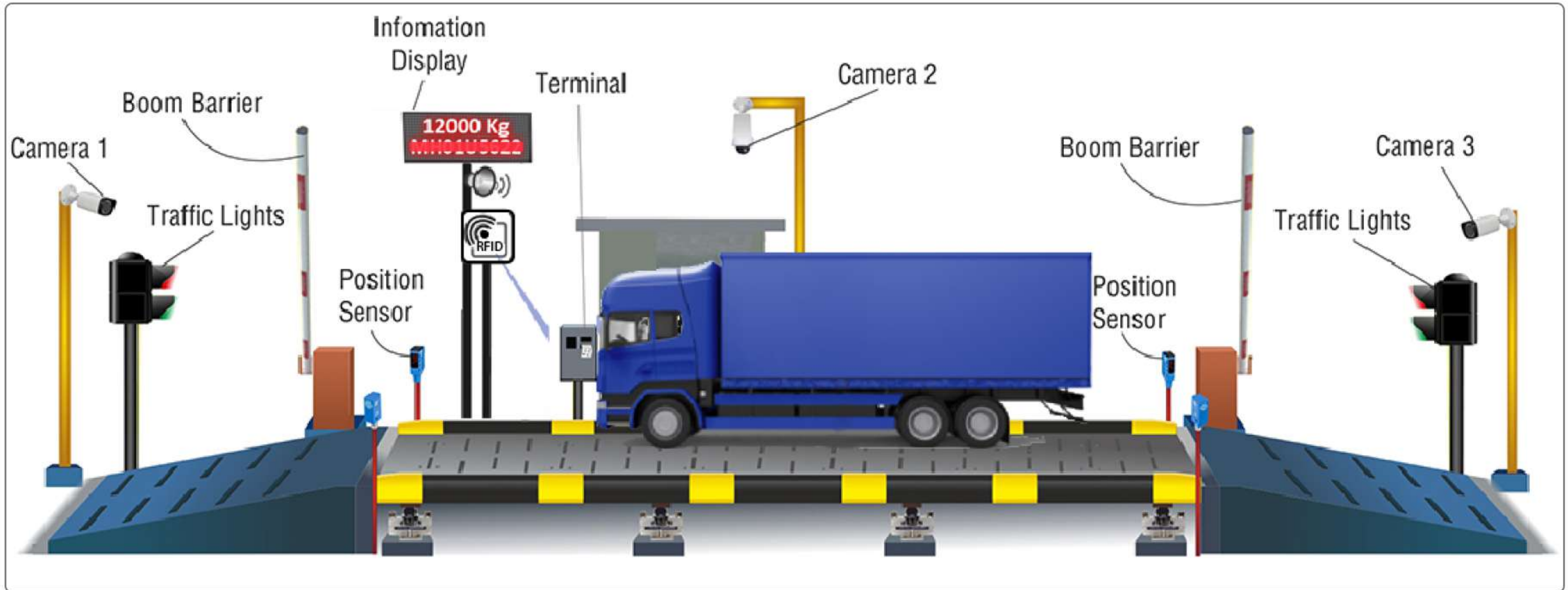Show weight, instructions and alerts to drivers.

Traffic Lights (OPTIONAL)
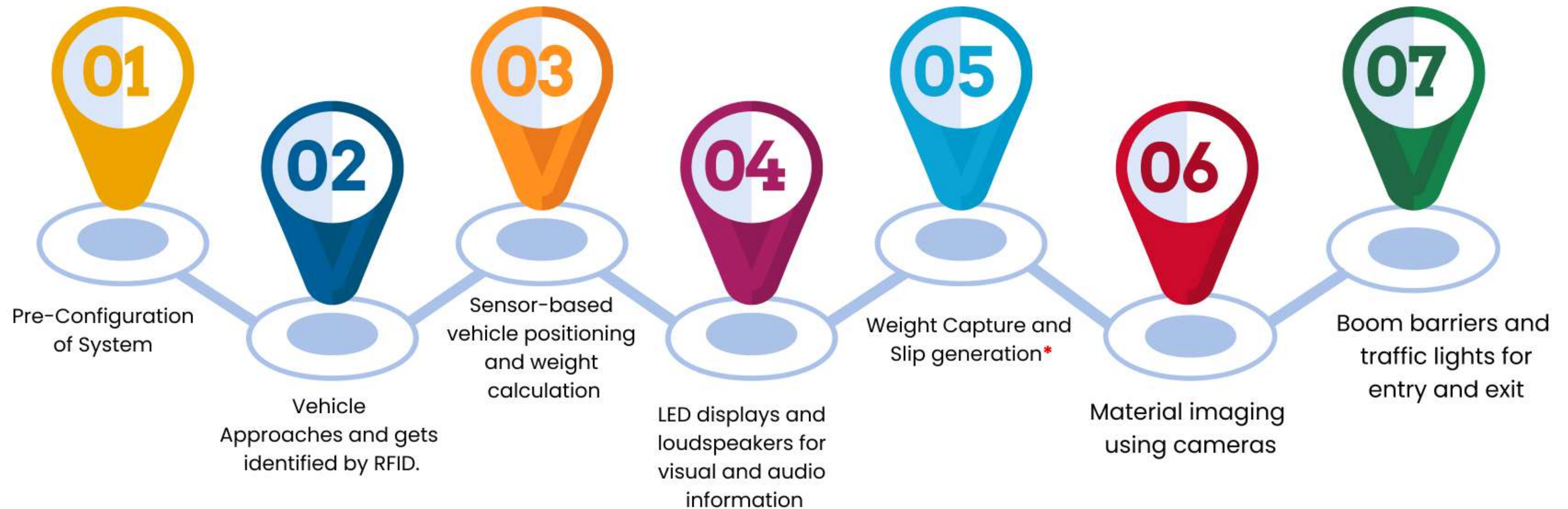They indicates vehicle's weight status: green, yellow, red

Our automated weighbridge solution includes a range of features designed to streamline operations, enhance accuracy, improve security, and facilitate integration with other systems.

FEATURES

- Electronic Weighing
- RFID Vehicle Identification
- Automated Data Capture
- ERP Integration
- Remote Monitoring And Control
- Customizable Reporting
- Access Control And Data Encryption
- User-Friendly Interface

VISUAL REPRESENTATION

WORKING STEPS

NYGGS
AUTOMATION SUITE

01
Pre-Configuration of System

02
Vehicle Approaches and gets identified by RFID.

03
Sensor-based vehicle positioning and weight calculation

04
LED displays and loudspeakers for visual and audio information

05
Weight Capture and Slip generation*

06
Material imaging using cameras

07
Boom barriers and traffic lights for entry and exit

* Our ERP integrated solution sends all the data to your system.

ADVANTAGES IN DIFFERENT INDUSTRIES

NYGGS
AUTOMATION SUITE

Logistics and Warehousing

Mining and Construction

Manufacturing

Error Elimination

Ensures accurate and reliable measurements by removing the need for manual intervention in the weighing process

Improved Efficiency

Improves efficiency and productivity by streamlining the weighing process, reducing transaction times, and increasing operational output

Better Data Management

Facilitates the collection, management, and integration of data into existing systems, improving data accuracy and accessibility for reporting, analysis, and compliance purposes.

Enhanced Security

Enhances security through access control, surveillance, audit trails, and data encryption, helping to safeguard against Cargo Theft, Fraudulent Transactions, and Inventory Shrinkage.

Streamlined Operations

Scalability for growing transaction volumes, reliability in providing consistent and accurate measurements, and adaptability to integrate with other systems and technologies, optimizing overall operational performance and flexibility.

SYSTEM IN ACTION

NKC Projects Pvt. Ltd.

WB Name :	JIND WEIGHBRIDGE(J.WB)	Source :	-
Rawana No. :	RCRU24004685300	Transation Type :	-
Receiver Name :	NKC PPL	Serial No. :	WB1/7
Vehicle No. :	HR846791	Transporter :	-
P.O. Number :	-	Party Name :	-
Customer Code :	-	In Date :	14 April Sunday, 2024 11:48 AM
Out Date :	-	In Shift :	-
Out Shift :	-	Material Code :	-
Material :	-	1st Operator :	-
2nd Operator :	-	RLW :	-
Destination :	-	Challan No. :	-
Challan Date :	-	Coll. Code :	-
Coll. Name :	-	DO Number :	-
DO Quantity :	-	Lifted Quantity :	-
Bal. Quantity :	-	First Weight :	22260
Second Weight :	9600	Gross Weight :	22260
Tare Weight :	9600	Net Weight :	12660.00
Print Date :	Sunday, April 14, 2024 12:46 PM		

COMPARISION BETWEEN DIFFRERENT SYSTEMS

NYGGS AUTOMATION SUITE

Feature/Aspect	Semi-Automated	Automated	Manual
Fully Weighing Accuracy	95%	95%	75%
Vehicle Identification	90%	95%	60%
Data Capture Accuracy	95%	95%	60%
Integration With Systems	63%	95%	20%
Remote Monitoring	65%	95%	40%
Security	70%	95%	40%
Customizable Reporting	70%	95%	20%
Scalability	70%	95%	27%
User-Friendly Interface	70%	95%	10%

These percentages reflect the level of accuracy or effectiveness of each aspect in semi-automated, automated, and manual weighbridge solutions, with higher percentages indicating better performance. **We offer a comprehensive suite of semi- and fully-automated solutions,** to enhance productivity, our offerings cater to diverse needs, ensuring seamless operations and empowering businesses to thrive in the modern landscape.

Contact Us

📞 +91 7303593999

📞 +91 7048944836

✉ sales@nyggs.com

🌐 www.nyggs.com

NYGGS
AUTOMATION SUITE