LARIAT *WEIGHPROX*

UNMANNED SOLUTION

LARIAT
TECHNOLOGIES (PTY) LTD

Developed by Lariat Technologies (PTY) LTD.

WEIGHPROX SOLUTION

BENEFITS

A fully unmanned weighbridge solution for all industries. Not only does the system allow the weighing of trucks - 24 hours a day unmanned - but keeps a full record of every pickup and drop off that was made.

HARDWARE FEATURES

- Fully unmanned system that operates 24 hours a day.
- Comprehensive records kept in SQL database for quick access, include: in and out weights, truck registration number, drivers, time stamped actions and products.
- Using a Pan-Tilt-Zoom camera, arrival and departure images from every truck is taken and linked to the transaction.
- The system automatically detects if it's a loading or unloading of a truck and labels it accordingly.
- Driver and vehicle are identified and access is given via RF Tag units and boom gate control.
- Due to automation a higher volume of weighbridge traffic, than with current conventional methods, can be processed allowing quicker turnaround time.
- A comprehensive Client Service Agreement will accompany the system. This includes offsite remote support via the Internet as well as an onsite maintenance plan.
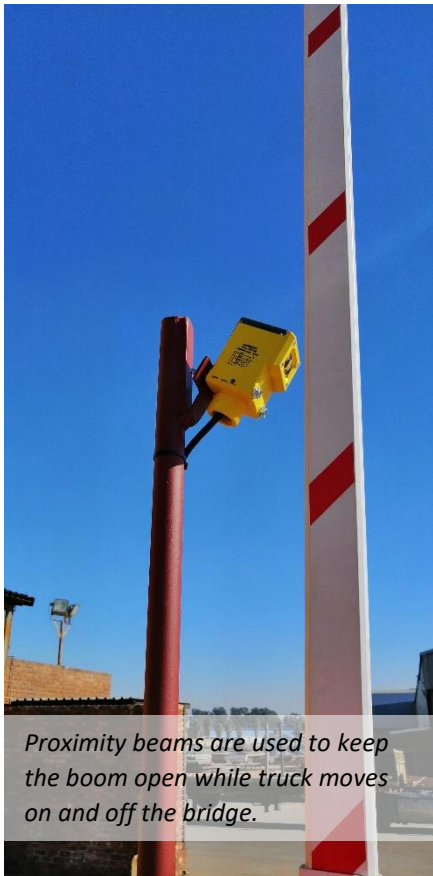
SOFTWARE FEATURES

- Automated traffic light system option
- Automated PTZ camera option
- Automated boom gate system (optional)
- Fully automated (unmanned) tag system (optional)
- Full photo backup
- Bin managing solution
- Container weighing and loading solution
- Truck/Load schedule solution
- Transporter management
- Orders management
- Management reporting(Cloud reporting optional)

Unmanned weighbridge system is activated by means of a predefined, coded, inexpensive RF tag. Each driver will receive is own unique tag which is registered to himself or the vehicle.

Automation is accomplished by means of traffic lights, boom gates, Pan Tilt & Zoom cameras, RF tag readers and intelligent software that interacts with all hardware and weighbridge to complete the task is quickly as possible. NO WEIGHBRIDGE OPERATOR REQUIRED - Unmanned!

Pan Tilt & Zoom cameras are used to take multiple snapshots whilst the Traffic light gives visual commands to drivers.

RF Tag readers are used to identify drives and activate the weighbridge automation.

Proximity beams are used to keep the boom open while truck moves on and off the bridge.

BASIC HARDWARE FLOW CONTROL

1. Driver activates the weighing process, using a RF tag which was assigned to him.
2. A Pan Tilt & Zoom Camera will then take a snapshot of the truck registration number.
3. The driver will receive visual instructions by means of the traffic light. The traffic light will turn green and the boom will automatically open, allowing the truck to proceed onto the weighbridge.
4. Once a stable weight is registered by the system, the boom will automatically open, a siren will sound, allowing the truck to proceed into the yard for loading or offloading.
5. Once the loading/offloading is completed, the driver can proceed onto the weighbridge once more by using his tag.
6. At this stage the traffic light will switch from red to green to signal the driver to proceed onto the weighbridge; the boom gate will open and the Pan Tilt & Zoom camera will take another snapshot of the truck.
7. Once a stable weight is registered by the system, a snapshot of the trailer is taken, the boom will open, the siren will sound, and thus completing the process and the truck can leave the premises with a printed slip.
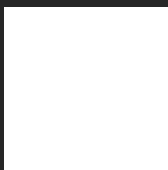

Unmanned Weighbridge Layout
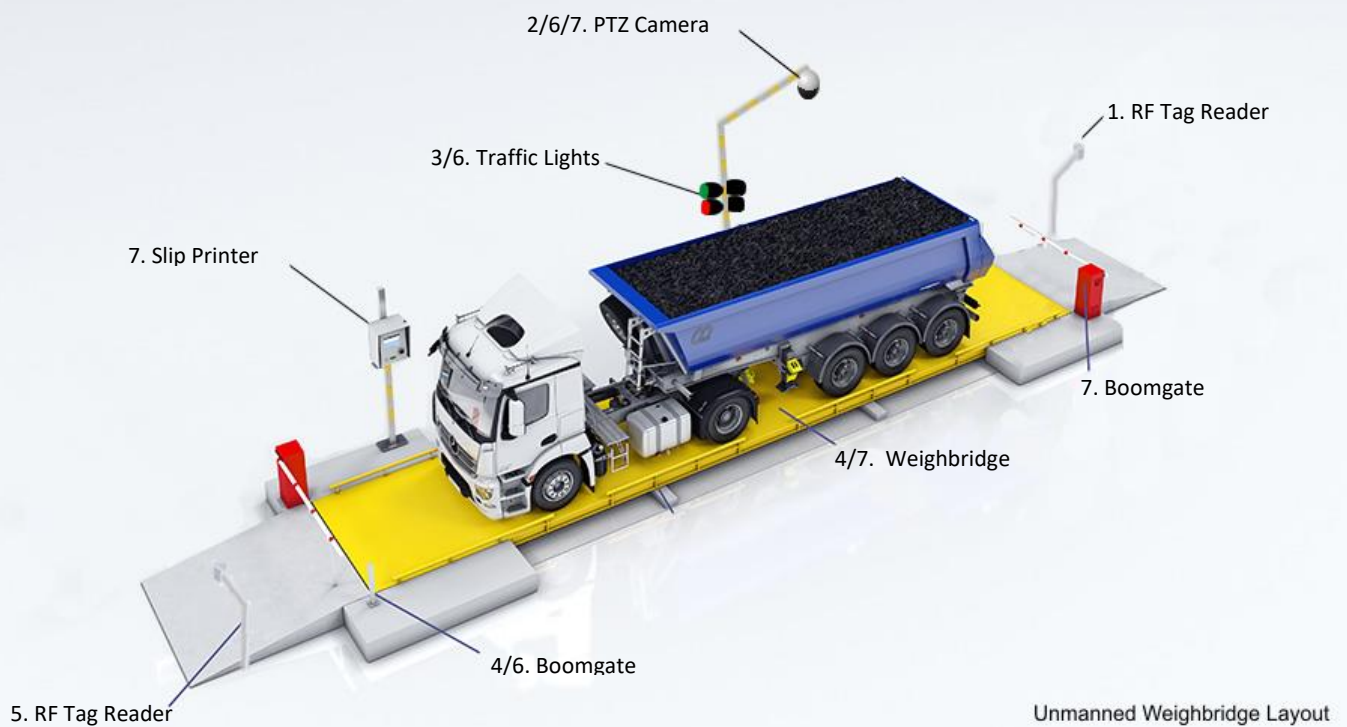
SYSTEM UPGRADES

System upgrading takes place on a continuous basis as follows:

1. Government laws change.

2. MRA regulation changes.

3. User requirements change as business requirements change.

All development costs of requested changes or upgrades are included in rental costs

(T&C's apply)

TRAINING

4. Onsite training will be given on day of installation

5. Hands-on training in the workplace

6. No telephonic training will be given for none trained users

7. Users will be trained on a need-to-know basis

COST

9. The software is on a monthly rental basis, making it more affordable and ensuring continuous support and upgrades.

10. Installation and hardware requirements is on a quotation basis.

11. Ensuring continuous upgrades, only installation of upgrades will be charged and ensuring continuous support.

12. Annual contract compulsory.

CONTACT INFORMATION

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