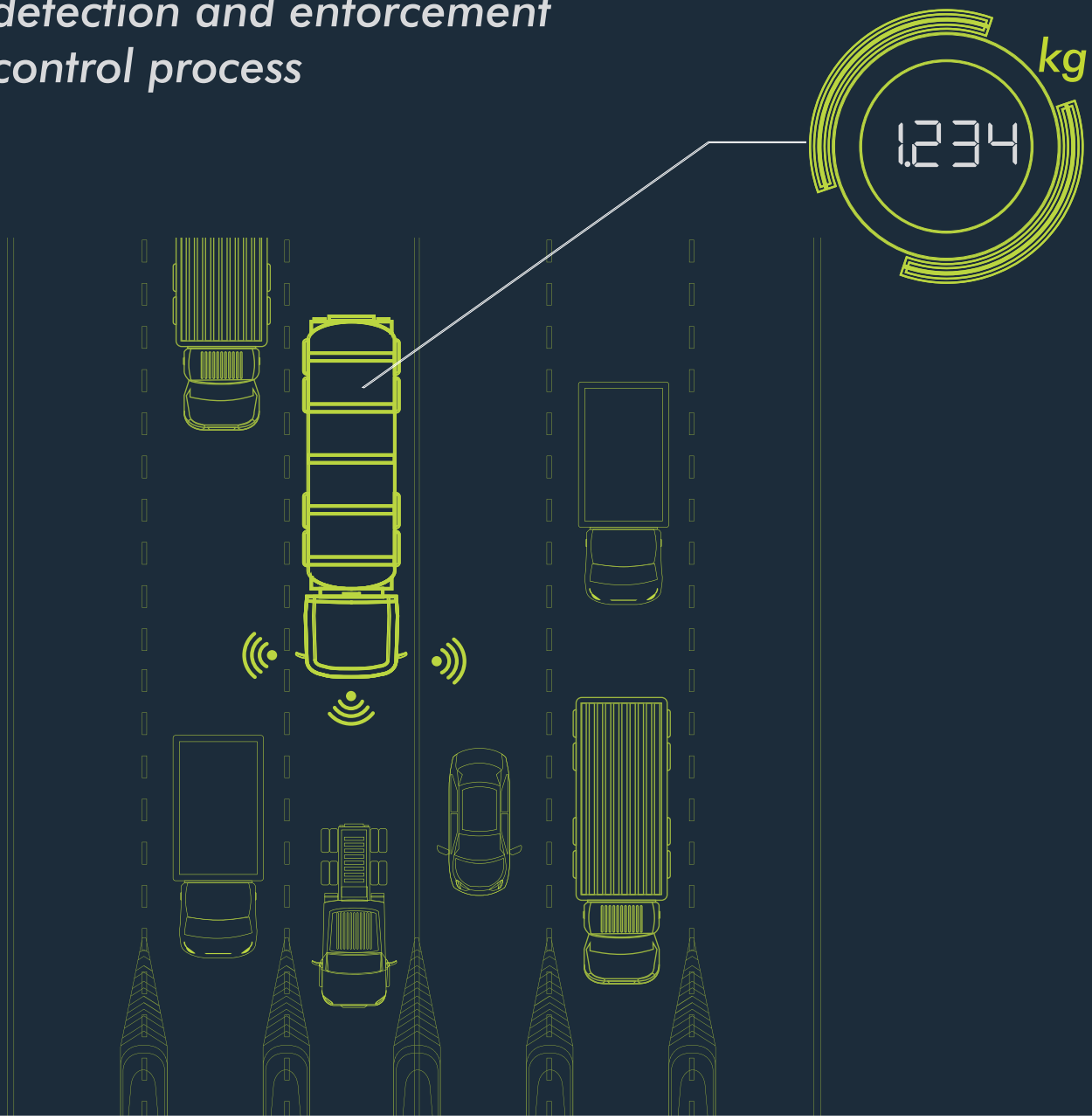
girwim
WEIGH IN MOTION

WIM for TOLL SYSTEM

Girwim solution for overload detection and enforcement control process



girwim

www.girwim.com | info@girwim.com
www.giropes.com
Giropes SL | C/ Molló, 3 | E-17469 VILAMALLA (Girona) | T(34) 972 527 212

girwim
WEIGH IN MOTION

WIM
TOLL SYSTEM

THE SYSTEM IS APPROPRIATE UP TO 30 kph

- INDUCTIVE LOOPS
- GANTRIES
- LICENSE PLATE RECOGNITION CAMERAS (LPR)
- DATA LOGGER DYNA B612
- CONTROL ROOM CABINET
- GENERAL OVERVIEW CAMERAS (CCTV)

OPTION A
STANDARD ACCURACY

BENDING PLATE

The bending plate consists of two steel platforms of 1.75 m, placed one at the side of the other to cover about 3.5 m of width of the lane. The plates are equipped with strain gauges. When the wheels of the vehicles go through the effective areas of the Bending plate, these ones release an electrical signal. The measured deformations are analyzed to determine the load of the wheels.

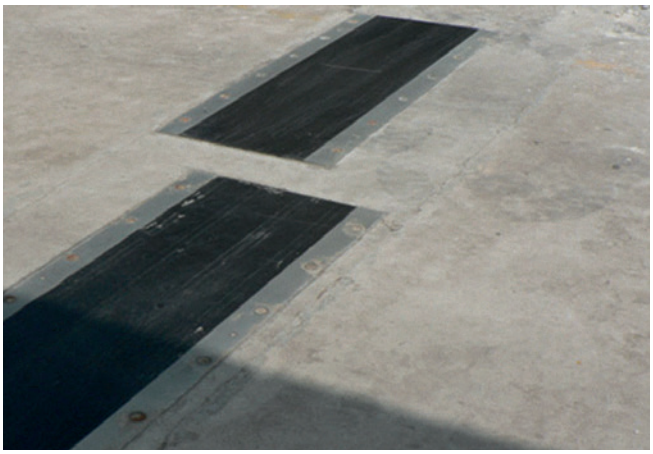
If the Bending Plate is correctly installed and gauged, it can provide the gross weight within an accuracy rate between 5%-10% of the real weight of the vehicle for the 95% of the measured vehicles.

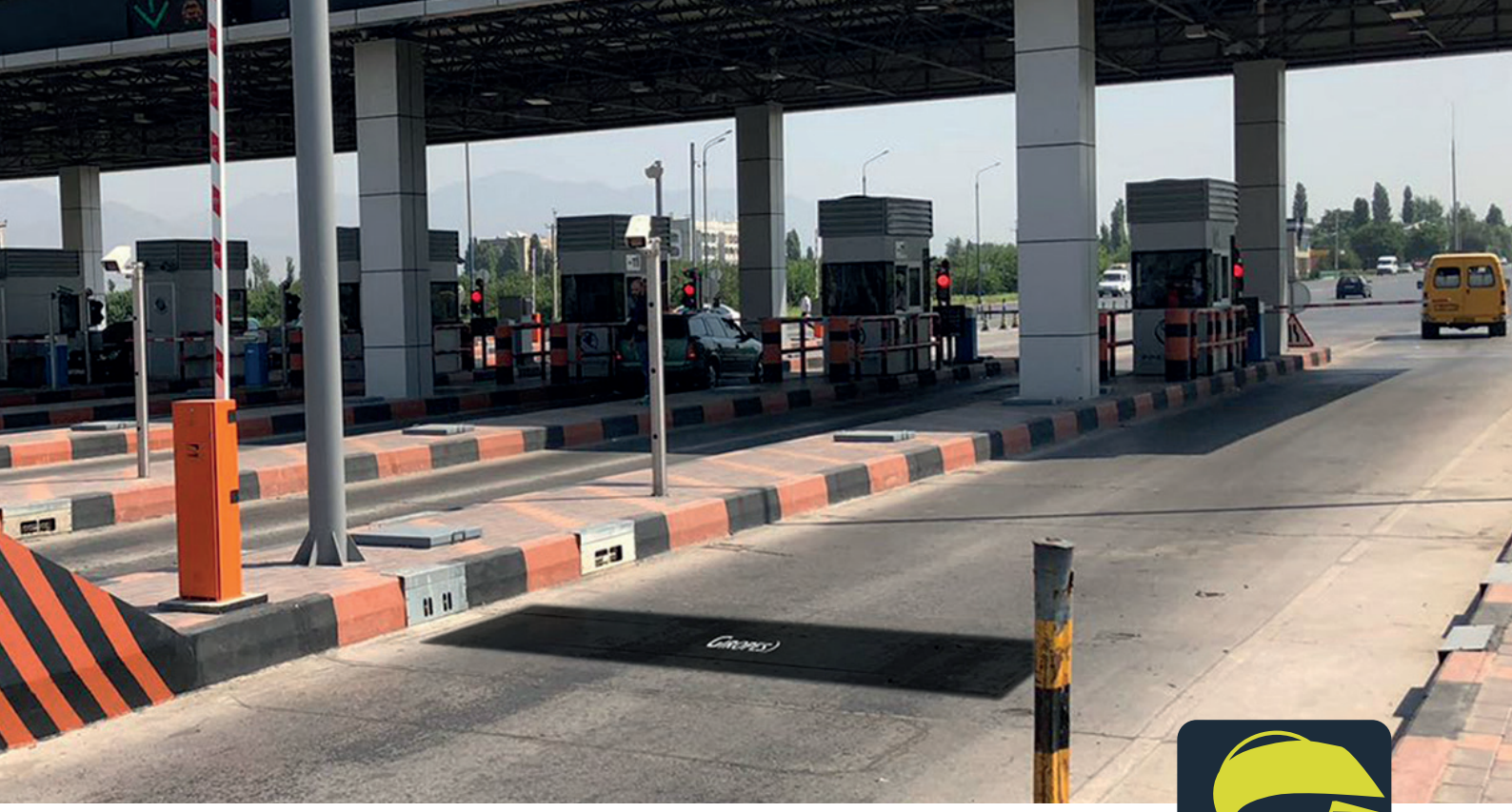
OPTION B
HIGH ACCURACY

OIML

AXLE-WEIGHING SCALE BPPEM

Scale designed for the static and dynamic weigh, axle to axle of vehicles. It is thought for a quick and easy installation in the civil works as the scale includes a complete set, that is completely assembled and with a frame in the entire perimeter. It also includes cells, internal cabling, motion limiting and transport. Its assembly is always in-built.





HOMOLOGATION OIML R134-1

Certification OIML R 134-1 Edition (year) 2006 for the accuracy class 0.5 and B for the solution made up of the Data Logger B615 + the axle weighing platform BPPEM.

The certification guarangees an accuracy +/- 0,50% of the vehicle's mass, at speeds up to 30 kph and a certified penalty at speeds between 2 and 10 kph.

GESDYN

SOFTWARE
Weighing in motion management

B615
DATA LOGGER

SPECIFICATIONS

Accuracy Static weight	*0.5 % OIML R76*
Accuracy Low speed weight	*1 %*
Accuracy Medium speed weight	*3 %*
Accuracy in weight measurement	*10 %*
(level of reliability)	*95 %*
Measuring range (per axle)	*0 … 30 t*
Speed range	*1 … 75kph*
Operating temperature range	*-20 … 65 °C*
Dimensions (WxHxD)	*213x77x136 mm*
Weight (5 AD w/2 channels)	*3 kg*

INTERFACES

Communication Ethernet ports (TCP/IP)	*1*
Digital input channels	*8*
Digital output channels	*12*
Interface RS485	*1*
Interface RS232	*1*
Loops	*8*

DATA LOGGER

Display	*20x4 with blue backlight*
Power	*110-240 VAC 50/60HZ*
Consumption	*2 A*
External Battery	*12 VDC 115 Ah*

OIML
HOMOLOGATION

OIML R134

0,5B dynamic
Up to10 kph

***HOMOLOGATION WITH OPTION B WITH AXLE PLATFORM BPPEM**

SOFTWARE
WEIGHING IN MOTION MANAGEMENT

GESDYN

SOFTWARE
SYSTEM FOR THE DETECTION AND PENALTIES IN TRAFFIC

IT solution for in-motion systems automatization and weigh management

The solution of complete case allows the customer to use all the functionalities to customize tickets and register devices making the most of investment made on this system.

FUNCTIONS:

- User and role definition.
- Introduction of fiscal data of the company.
- Predefined Ticket format selection and printer assignment.
- Multiple languages.
- Device configuration.
- Management of two types of weight: overload or general basis.
- Cataloguing of vehicles.
- Definition and management of points of control, agent, roads, etc.
- Register of weighing, selectable tickets and flyers.
- Notifications and registrations of actions done by the users.

GESDYNWEB

GesDyn Web is the web-based solution for monitoring, data analysis, statistics, management and configurations of the GIRWIM systems.
The information is assessed on-line and immediately viewed through devices with internet access (such as mobiles, tablets, etc...).
The Web environment is consultant-oriented, traffic managers or police force.