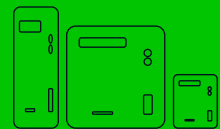
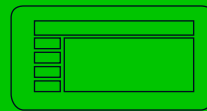
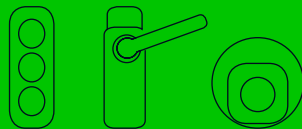
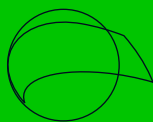


# GESNET2

software

AUTOMATION AND MANAGEMENT OF  
WEIGHBRIDGES IN RECYCLING PLANTS





SECTORIAL WEIGHING

# GESNET2

AUTOMATION AND MANAGEMENT  
IN RECYCLING PLANTS



## OPERATING SYSTEM REQUIREMENTS

- » Desk items applications (Windows 7/8/10).
- » 32 bits (x86) or 64 bits processor(x64) at 2.4 GHz or more.
- » 4 GB RAM Memory or more.
- » 16 GB or more of available disk.

GESNET2 is the solution that Giropès Solutions offers for the automation and management of weighbridges in recycling plants.

It supports different installation structures: from the most basic one (only one working station) to complex installations of autonomous systems of weighing management.

The software offers a complete control of the weighing operations of vehicles.

With GesNet2 the owners can register and process, in an efficient and quick way, the traffic of their weighbridges. It also allows having relevant information useful for the management departments, inventory control, and management of storage areas, statistical analysis, and more.

## FUNCTIONS

<b>i</b> INTRO INFO	<b>SD</b> STATIC DYNAMIC	<b>PN</b> WEIGHT NET	<b>E S</b> INPUTS / OUTPUTS	<b>CS</b> CONTROL INVENTORIES	<b>CP</b> ORDERS CREATION	<b>CF</b> INVOICES CREATION	<b>IT</b> PRINT TICKETS AND REPORTS	<b>IU</b> IDENT. USERS	<b>LR</b> ROLES AND PERMITS LIMITEDS
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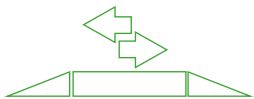
### DESCENTRALIZED SYSTEM

It enables the control of the different installations with connection and access to data according to the user's necessity: 3G, Ethernet, data server or cloud



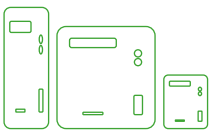
### CONTROL OF ACCESS

It will allow you to manage the different devices of control such as: systems of control to access to the scale through barriers, vertical signalling, automatic recognition of license plates through the IP video cameras, proximity card readers, barcode card readers, the correct positioning of the vehicle on the scale, etc.



### DYNAMIC WEIGHING OPTION

To weigh the vehicles in movement at low speed in axles weight scales



### AUTOMATION

The different functions allow a complete automation of the installations.



### GREEN POINT

A recycling centre is used to separate all the company's solid waste. There's also a valorisation of the waste disposal.

## MODULS OF MAP

### SPECIFIC FUNCTIONS

- Green Point System
- Material coding and processing
- Waste assessment and disposal

### CONTROL MODULES

- Flow control and vehicle placement devices system
- Visual inspection
- Vehicle recognition system

### WEIGHING IN MOTION

Weighing system  
by axes

### COMMUNICATION MODULES

- Sending data by ETHERNET
- Printing and reading code bars
- Digital signature
- Synchronization and communication system

# MODULES

## SOFTWARE GESNET2 CONTROL SYSTEMS



### MODULE DYNAMIC

To weigh vehicles in movement at low speed with via weight axle

Module dynamic weighing



### CONTROL OF ACCESS / EXIT AND POSITIONING OF VEHICLES

Modules Vehicle flow control system and placement of vehicles via access control devices and signalling system

Module FCS/PCS Vehicle flow control system



#### AVAILABLE DEVICES FOR FLOW CONTROL AND VEHICLE PLACEMENT DEVICES SYSTEM

\*Consult specifications and prices

Traffic light



Barrier. Operator's control panel



Inductive loops



### VISUAL CONTROL SYSTEM

Monitor your weighing zones in real time.

The vision cameras will allow you to obtain both colour images and video. Moreover, its positioning in zenithal perspective is going to help you to control the material that you are transporting as well as keeping a screenshot of the vehicle. These images can be stored and used afterwards to be inserted in the ticket released as proof

MODULES CCTV contextual cameras



#### DEVICES FOR THE POSITIONING SYSTEM

\*Consult specifications and prices

Set camera CCTV



1234 ABC

### VEHICLE RECOGNITION SYSTEM

The Gesnet2 program can be completed by including the systems of automatic license plate recognition (ANPR).

Identify and conduct the treatment of any vehicle in real time

You are going to avoid problems and human mistakes at the same time that the weighing management improves and speeds up.

Reading Module camera ANPR/LPR (2 cameras)

Automatic license plate reading



Increase ANPR/LPR (additional camera)



#### AVAILABLE DEVICES FOR VISUAL INSPECTION AND VEHICLE RECOGNITION SYSTEM

\*Consult specifications and prices

Set camera ANPR



### TERMINALS

The Gesnet2 program can be completed by installing the Terminals. The Terminals will require the activation of this module to control them.

MODULES Terminals



#### TERMINALS AVAILABLE

\*Consult specifications and prices

GST1



GST1|2








GST2






GST3



## INTERNAL AND EXTERNAL COMMUNICATION SYSTEM

<p><b>TRANSMISSION OF WEIGHING DATA</b></p>	<p>This module allows the automatic transmission of weighing registers via report format (txt, xls, pdf) to electronic mail, FTP servers or directories.</p> <ul style="list-style-type: none"> <li>» Automated sending to specific directory.</li> <li>» It allows the transmission of data to third-party systems in the specified format. ( Check the available formats. Possibility to add others on special request)</li> </ul> <p>When registering the companies and sending them an electronic mail, the system is going to send automatically the copy of the ticket to notify the weighing which has been done.</p> <p>Exporting the registers of the weighing </p>
<p><b>IDENTIFICATION</b></p>	<p>Authentication system via radiofrequency cards, documents with barcodes or QR.</p> <p>Module of identification </p>
<p><b>DIGITAL SIGNATURE</b></p>	<p>At the moment when you finish the weighing, the system will oblige you to sign the ticket. With this module the configuration admits the electronic signature which will be included in the ticket in accordance with the register.</p> <p>All signed tickets are stored in a directory of the computer or server.</p> <p>Digital signature module </p> <p><b>AVAILABLE DEVICES</b>          *Consult specifications and prices          Writing tablet          (* It is essential to choose of have one) </p>
<p><b>SYSTEM FOR DATA SYNCHRONIZATION</b></p>	<p>System in charge of synchronizing the data between two or more Gestruck2 workstations or between the software Gestruck2 and the Ges2Web.          It manages the traffic of entrances/exit of data in parallel, responsible for maintaining the same data in both parts.          *Display in the browser (via the platform Ges2Web, on request)</p> <p>Module of the System for data synchronization </p>

## PERSONALIZATION

<p><b>PERSONALIZATION</b></p>	<p><b>Integration of the system ERP</b>          It allows the integration with third-party ERP systems (it is necessary a preliminary study) </p>
	<p><b>Development of the product of the display for the customer</b>          For other protocols not included as standard </p>
	<p><b>Personalization of the weighing tickets</b>          Weighing format Ticket </p>

 Optional

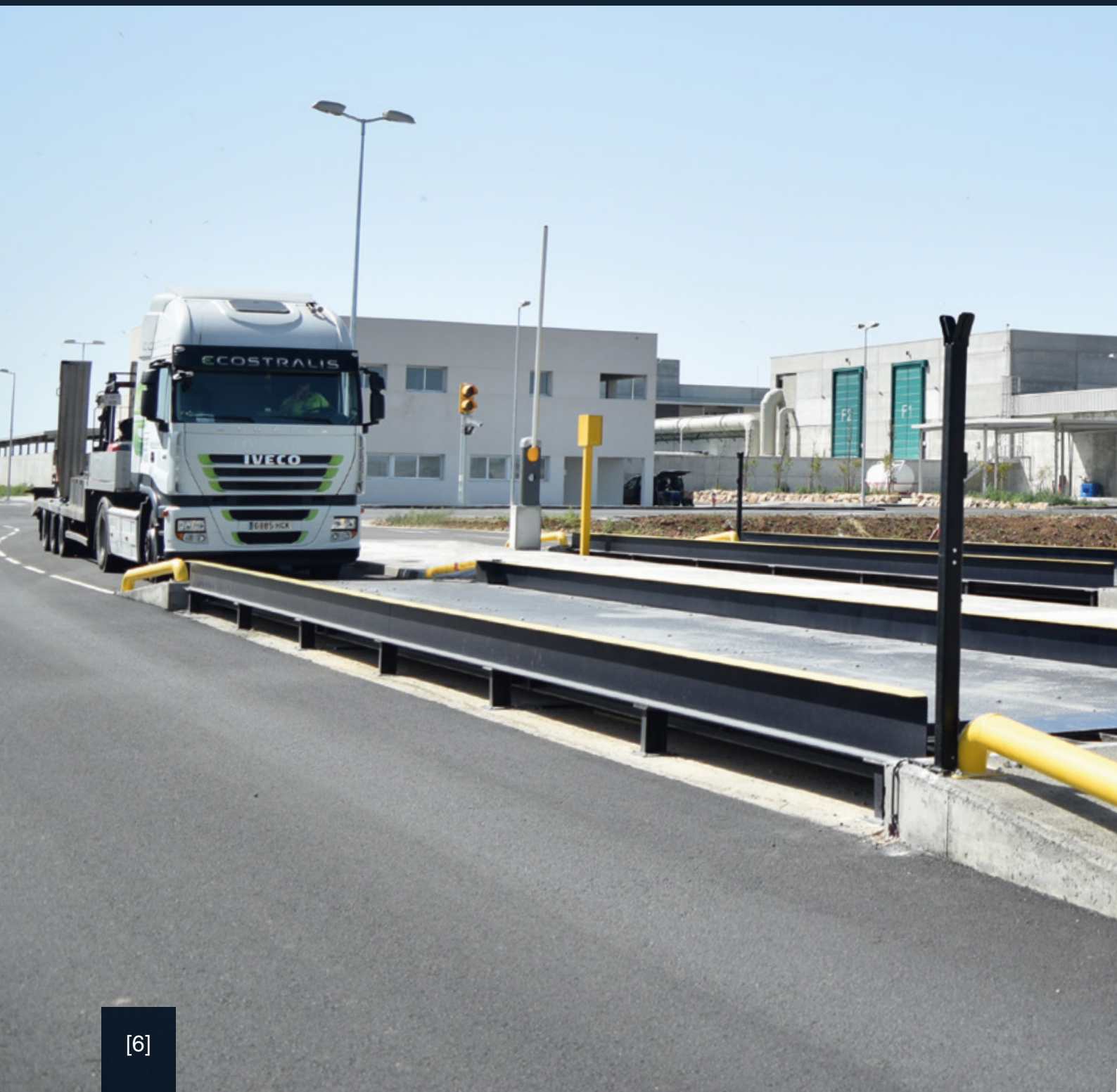
# PERIPHERAL CONTROLLABLE

Gesnet2 enables you to adapt your necessities of access control with a wide range of options, until reaching a complete automation of the weighing station.



## 01 POSITIONING SENSORS

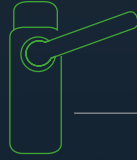
Elements to detect the positioning of the vehicle when in the weighing zone





## 02 TRAFFIC LIGHTS

Light signals which give access or exit permission to the weighing zone



## 03 BARRIER

Automated or via operator's command



## 04 CAMERAS

Centre of control of display and screenshot. Option of license plate recognition for the automation



## 05 TERMINALS

Self-service terminals for users and operators



# TERMINALS

## ASSOCIATED

They allow the user to adapt its access control necessities with a wide range of options to achieve a complete automation of the weighing station.



## OPTIONS

### ACCESS CONTROL SYSTEM

#### GST1 | GST2

Access terminals with operator or without operator, if it is installed the G2 Automatic applicative. Both terminals enable the installation of OPTIONALS to integrate identification systems of vehicles via RFID reader and light indications or in the case of the GST, LCD display. The GST2 terminal may contain a system of communication via intercom.

#### + UNATTENDED TERMINAL APPLICATIVE

##### G2 AUTOMATIC

- » It enables that the Terminals GST1 and GST2 to work against the GESNET2 in unattended way (without an operator)

#### GST3

TERMINAL  
TOUCHSCREEN

Supervise your weighing zones in real time. Vision cameras will enable you to obtain both images in colour as well as video. Therefore its positioning in zenithal perspective is going to help you with the material that is being transported or keep a screenshot of the vehicle.

#### ASSOCIATED SOFTWARE\*

##### G2 TERMINAL

Drivers interaction

##### FUNCTIONS

- » Entrance and exit weighs with a connection to Gesnet2 or Gestruck2 software.
- » The driver is going to introduce or confirm data.

##### G2 TERMINAL NW

It is thought to allow the simplification and completion of the weighing process in net weight. It allows the allocation of packaging and containers to discount the obtained weight

\* The GST3 requires one of the two softwares



# Bornes series GST

UNATTENDED  
ACCESS  
CONTROL  
SYSTEM  
**GST (UWT)**



## GST3

- » Terminal with touch screen and software.
- » There are 3 different software to choose.
- » More options of interaction via intercom, barcode readers and others.
- » Consult our service centre to know about more options.



## GST2

- » Terminal with proximity card, printer, LCD display. Painted or stainless steel option.
- » More interaction options via intercom.



## GST1

- » Terminal for autonomous station with RFID reader to detect proximity and led indicator.
- » Painted and stainless steel version.



# GESNET2 WEB



**PRIVATE AREA**

Summary per company.  
The customer can register and see the weighing data

**STATISTIC**  
of weighing visualization

## SOLUTION OF MANAGEMENT CLOUD

It enables the management of all the entities which interfere in a weighing process (companies, vehicles, materials, etc.).

Associated with the **GesNet2** or the application **G2App** it will allow the control of all its sorting plants.

**ACCESS  
ADMINISTRATION**

- » Definition of materials
- » Empowerment of vehicles
- » Possibility to control different weighing centres
- » Visualization of the state of the different containers of the centre

**USER'S  
ACCESS**

- Visualization of the data of the company
- » Statistical brief
  - » Possibility to download invoices
  - » Access to bonus system

**RECYCLING BONUS**

- » Function activated to subsidise to the users according to personalized parameters.
- » The parameters included can be: days, user, kilograms of delivered material, etc.
- » Bonus applicable in waste rate

**BILLING**

- » The function to determine recycling surpluses is activated.



## MOBILE APP

## G2APP

It allows the capture of the weighing and send it to the Ges2Web.

This structure, thanks to the mobile and web application, gives the possibility to become the new transportable generation of Gesnet2.

Complete management of data collection of the entrances and details of the vehicle.

Available in Play Store for tablets and Android mobiles.

## OFFLINE/ONLINE

This application offers the possibility to use it offline after the first data upload. The process is synchronized when the line is restored.



ALL THE DATA NEEDED AT  
YOUR HAND

## CONFIGURATION

### WIFI OR BLUETOOTH

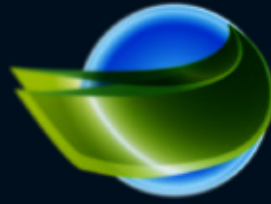
Connection to the weighing system and/or the printer through Wi Fi or bluetooth.

### STABILITY PARAMETERS

Configurable to specify depending on the type of material to be weighed (it will depend on the scale which has been installed).

## PEDESTRIAN OPERATOR OF THE SCALE

- » Quick search of users and vehicles
- » Creation of user in the same search
- » Weighing or sharing materials function



# GESNET2

SECTORIAL WEIGHING

AUTOMATION AND MANAGEMENT  
IN WASTE PLANTS



GIROPÈS SOLUTIONS

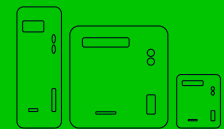
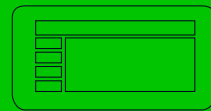
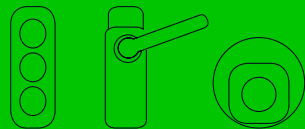
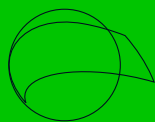
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WASTE AND SUSTAINABILITY MANAGEMENT



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