

EN



BP WIN PLUS TOUCH

USER MANUAL



VERSION 2
GRUPO EPELSA
www.grupoepelsa.com

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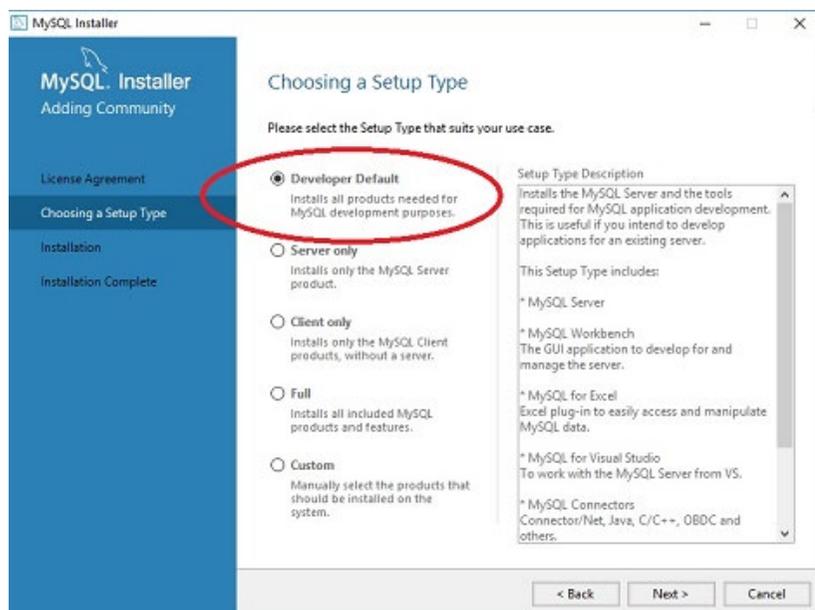
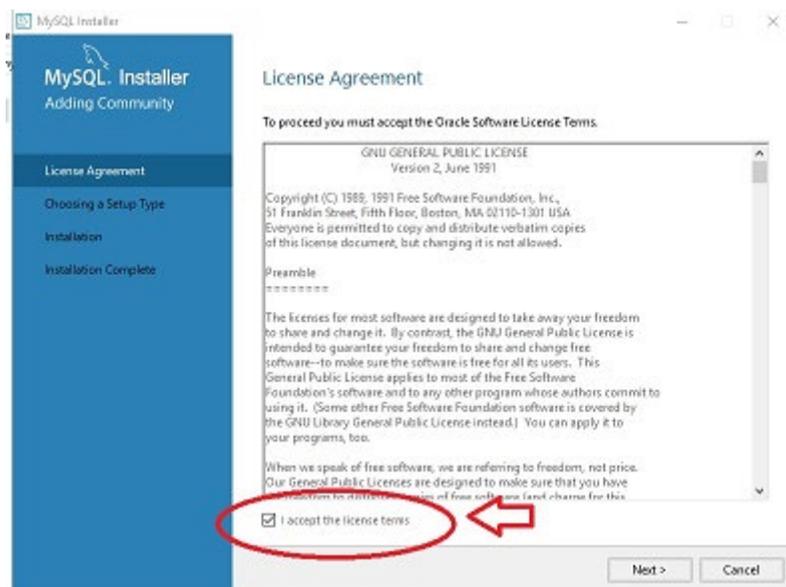
0. BPWIN_PLUS INSTALLATION

**The complete installation contains three folders with installation packages:
Folders:**

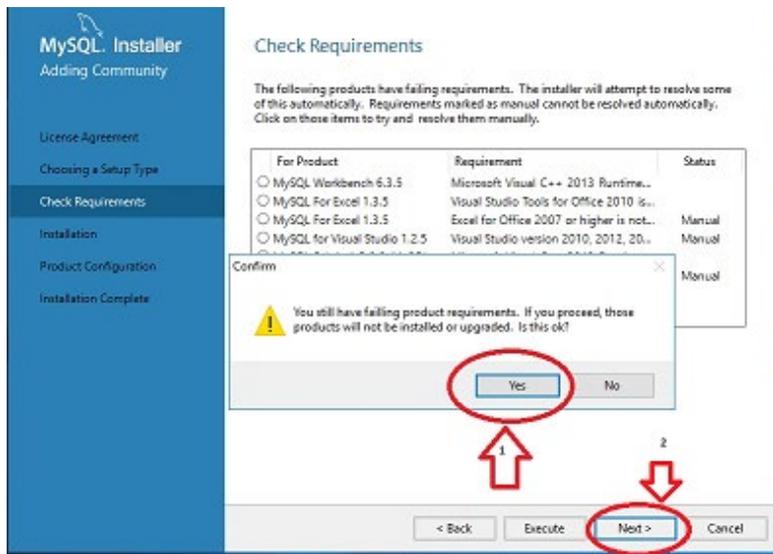
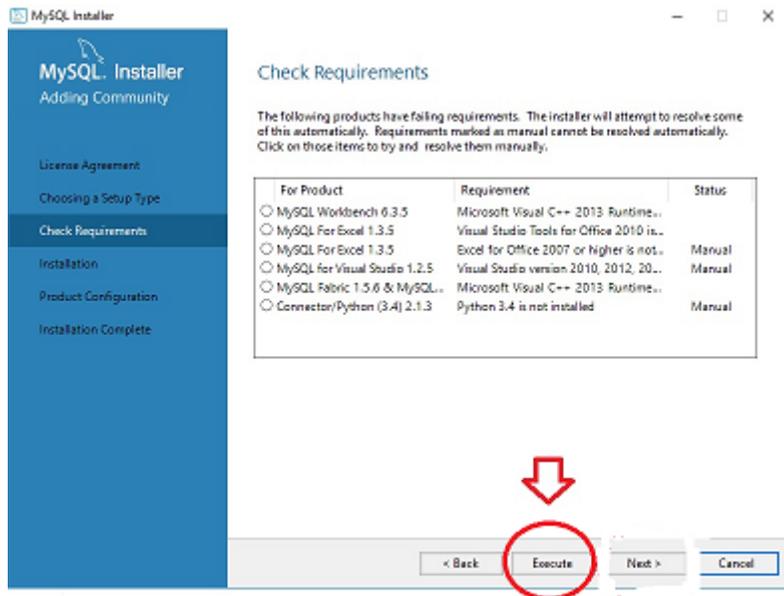
- mySql_worbench
- InstallBpWinPlus_V X.X
- DriversNeuralLabs_Vpar

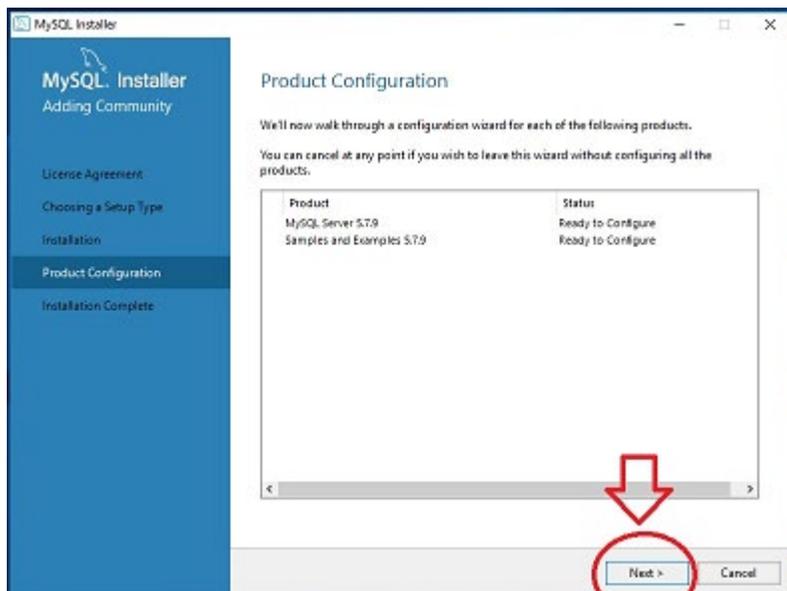
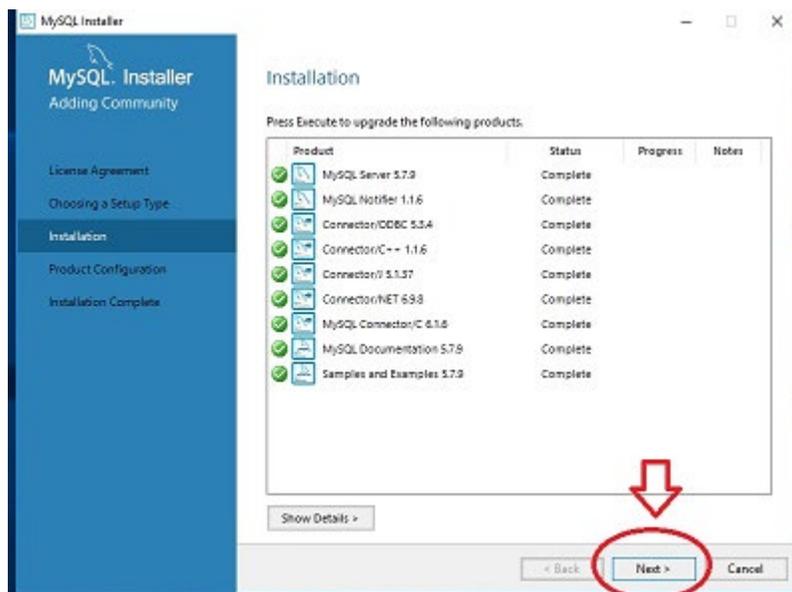
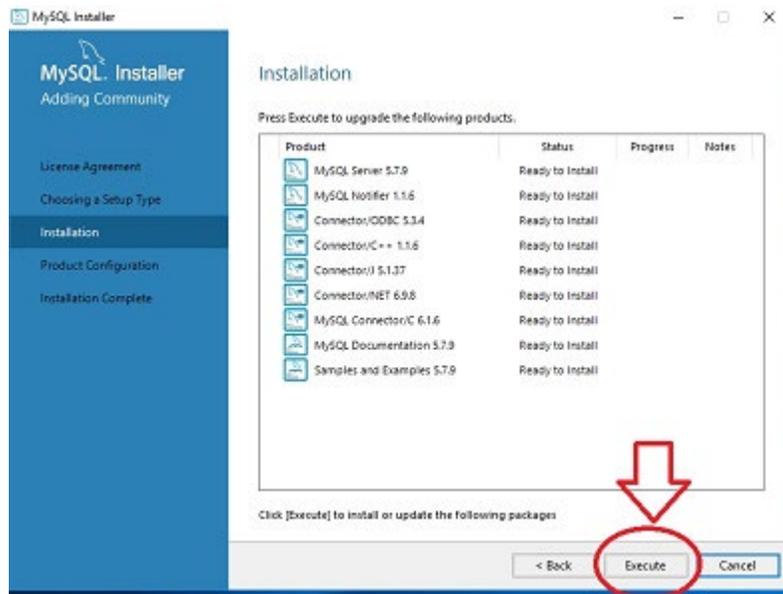
1. INSTALL MYSQL DATABASE

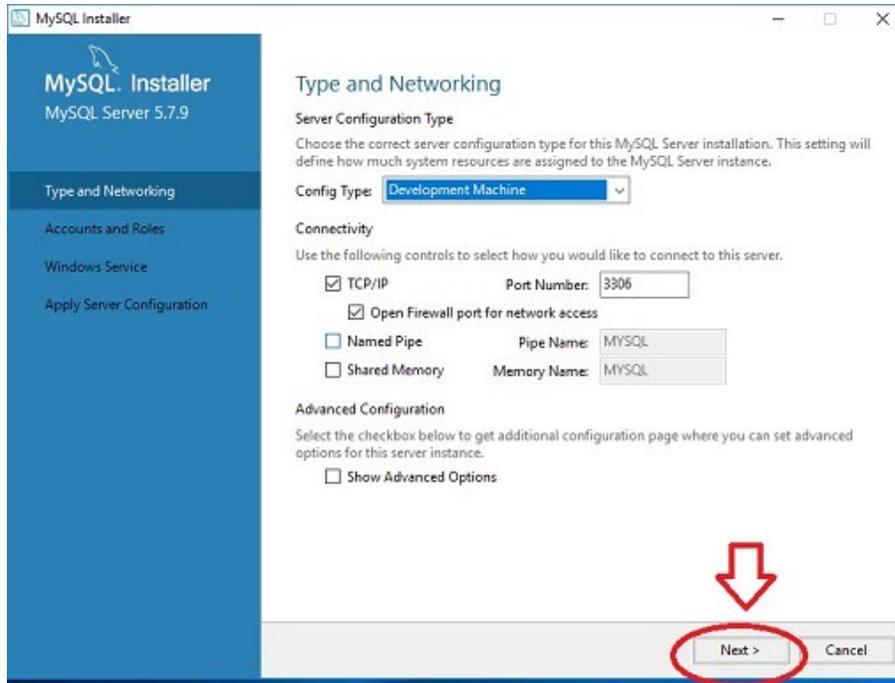
**Go to mySql_worbench folder and run installation mysql-installer-community-5.7.9.1.msi
Follow the installation steps.**



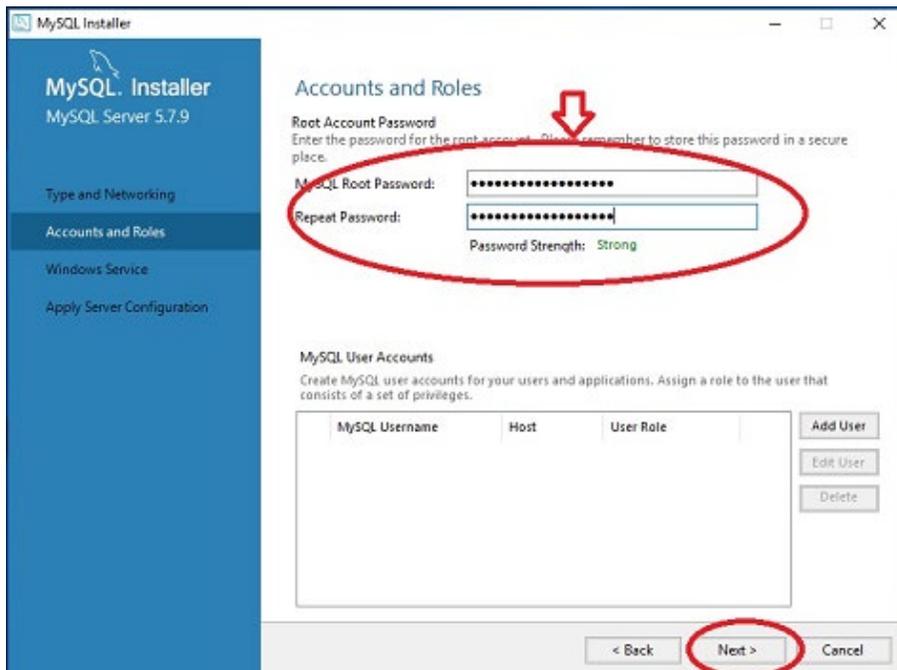
When you reach the Check Requirements screen, press the run button to install the necessary requirements.

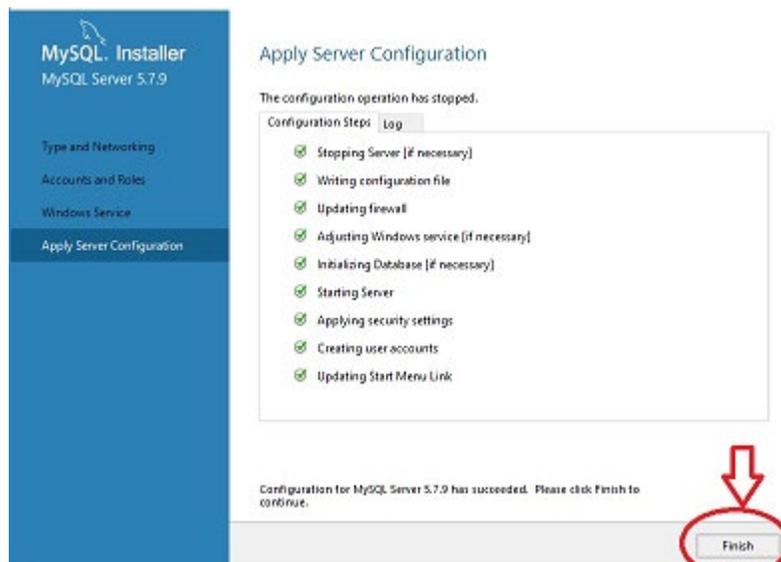
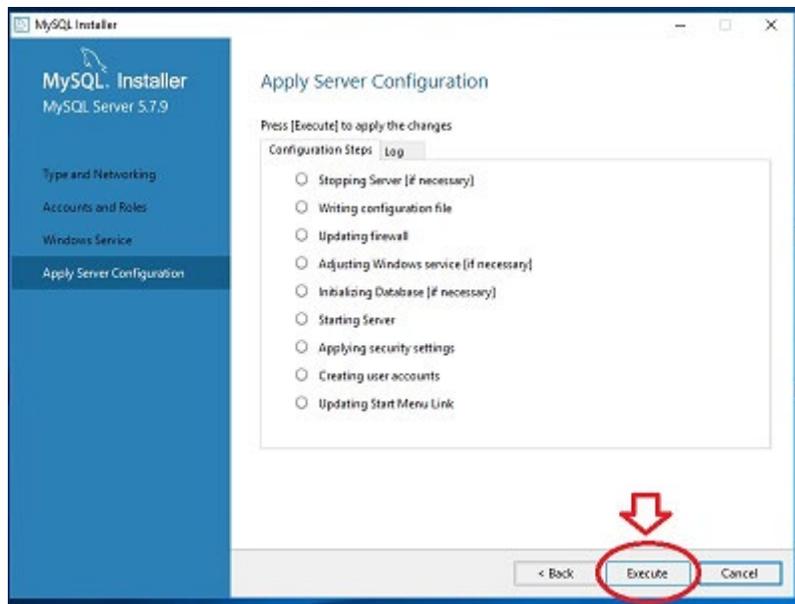
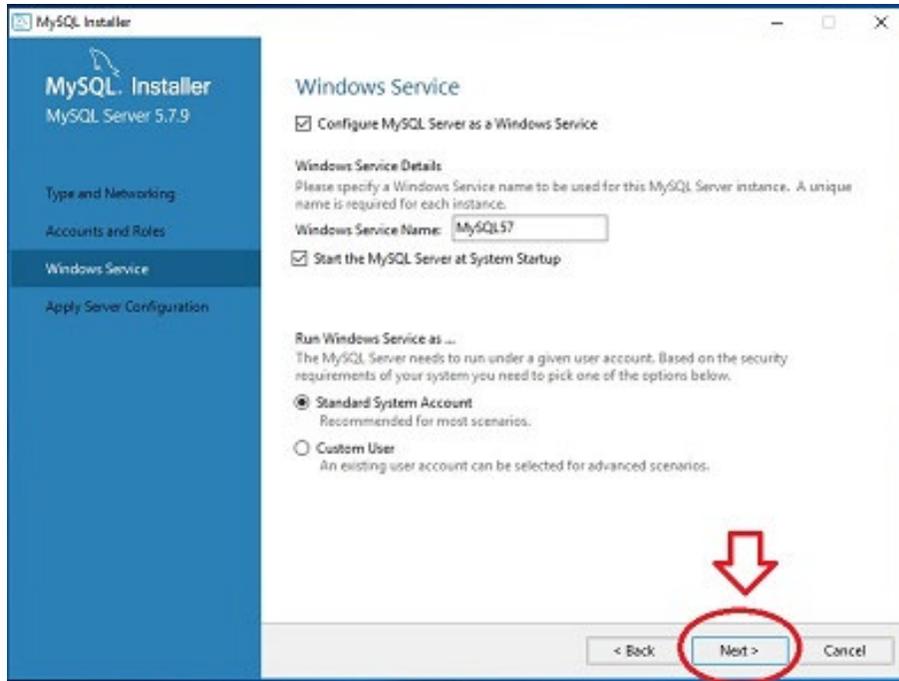


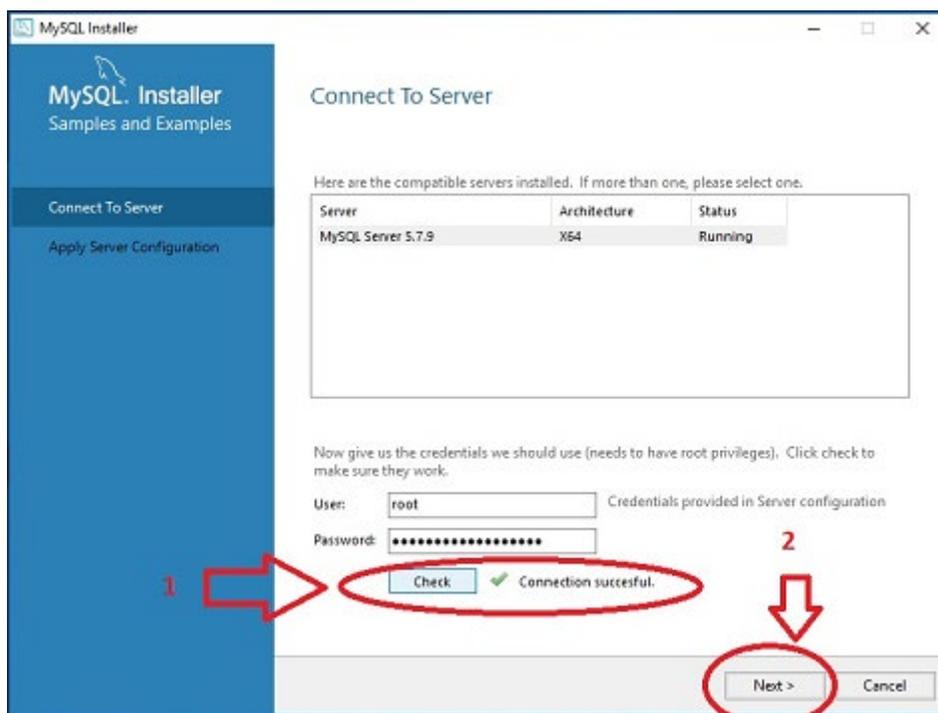
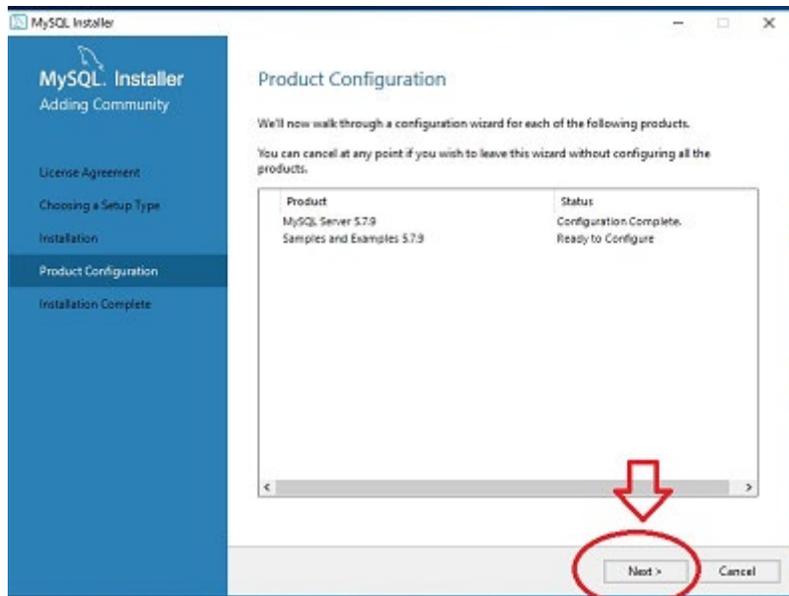


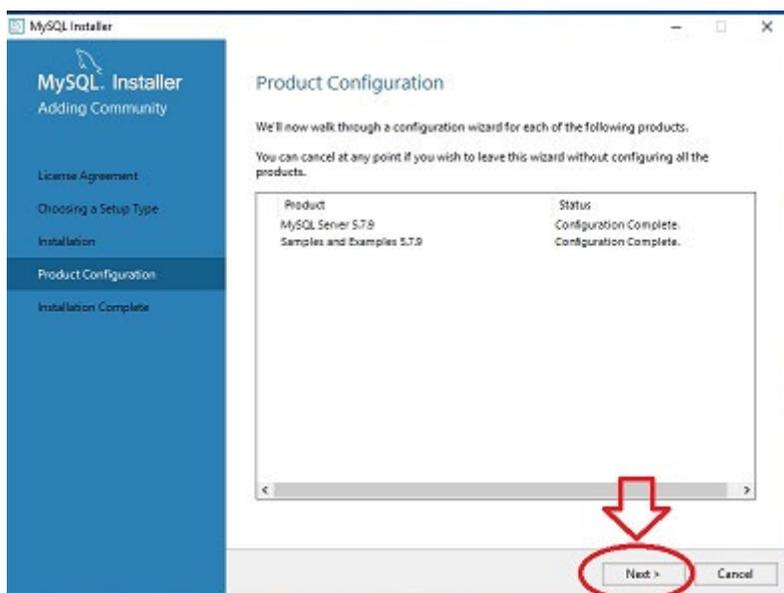
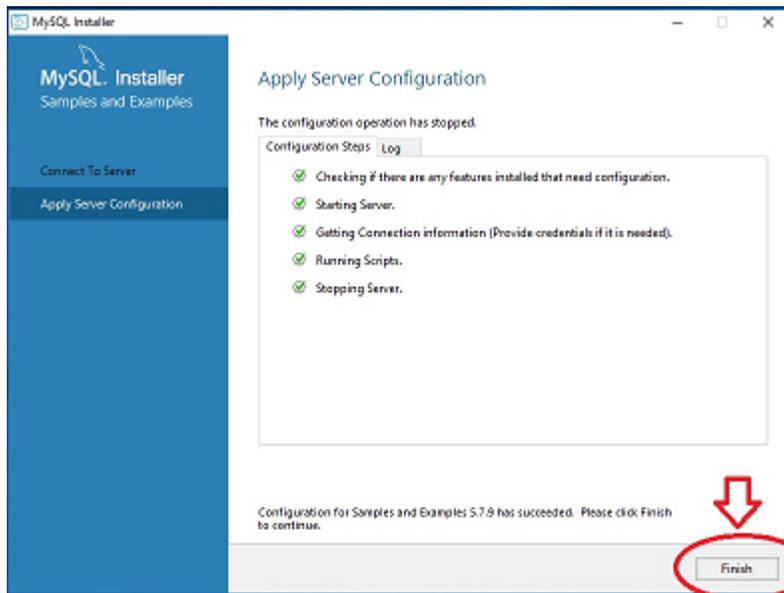
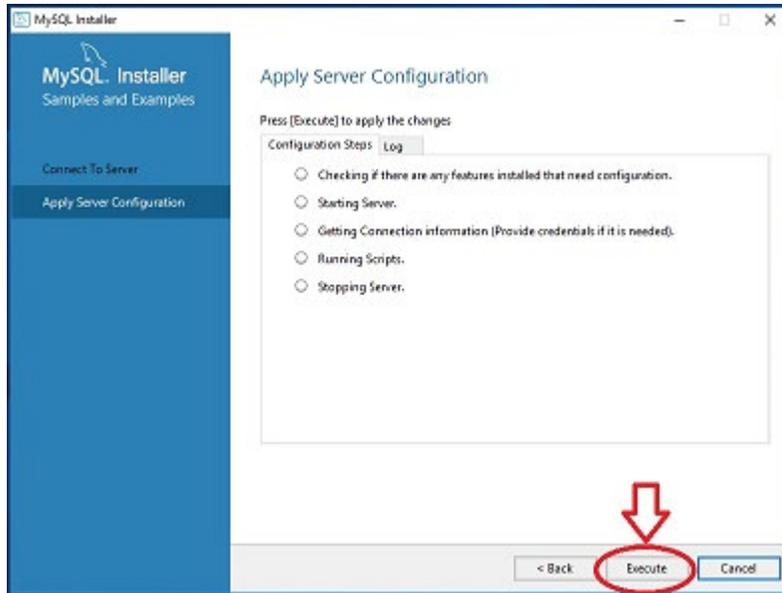


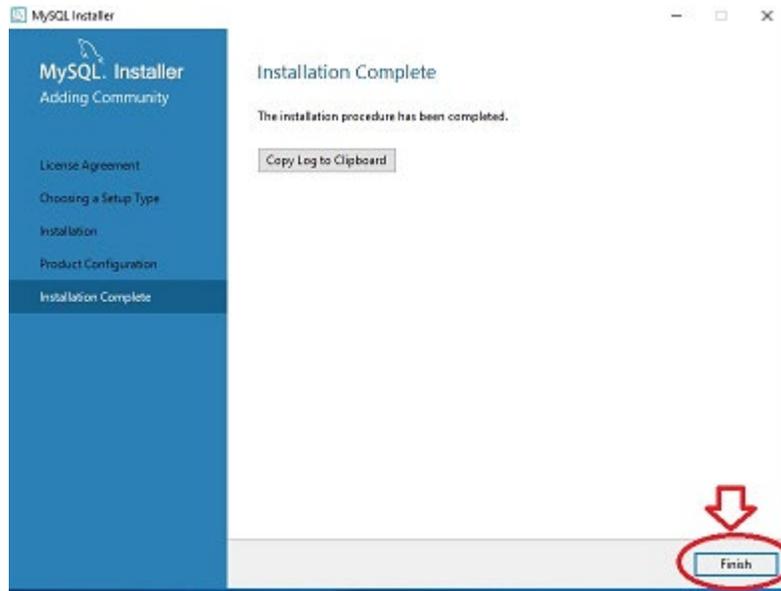
In Mysql Root Password type EPELSA in capital letters.











2. INSTALAR BPWIN_PLUS

Go to the InstallBpWinPlus_V X.X folder.
Run Setup.exe
Follow the installation steps.

3. NEURAL LABS DRIVER INSTALLATION

(Only if number plates are to be read automatically by cameras)

Install Neural Labs Drivers if you are going to use number plate reading cameras.
If yes, go to the DriversNeuralLabs_Vpar folder.
and run VPAR_WIN_7.22.0.0.exe

We continue with the installation:

4. CREATION OF STRUCTURE

Once the packages are installed, run BpwinPlus (There is a shortcut on the desktop).
It will detect that there is no database and will ask if you want to create it for the first time.
We say yes and the database structure will be created.

Once the structure is created, it will ask for Username and Password.



User= EPELSA

Password= 762

DEMO Mode

From this point we can activate the DEMO mode.

(From Side Menu /  **Help** /  **Demo Mode**) to test functionalities or go to the License activation form.

If we activate the DEMO mode it allows us to create Nodes and connect scales, but it randomly varies the displayed scale weight allowing us to test functionalities, but modifying the real weight values.

5. LICENCE ACTIVATION

From the Side Menu go to **Help** / **Activate License**
A form will appear to enter the data and enter the activation key.

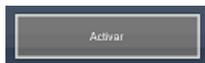
Internet connection required during activation.

We fill in the fields:

Company, Nif ,City, Country, Email

Enter the licence number provided for activation in the **Installation key** box.

Click on the Activate button.



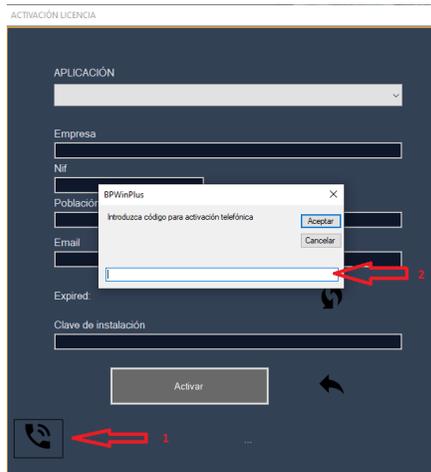
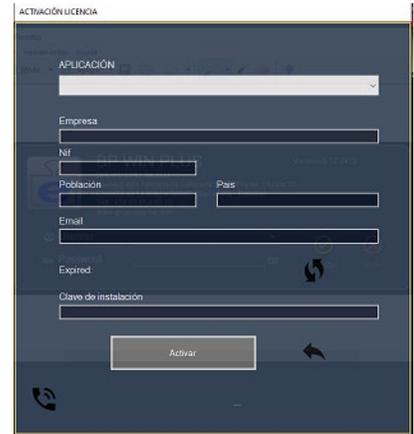
We wait a few seconds and it will show us:
License Activated

Then restart programme

Closes the form and returns us to the main form.

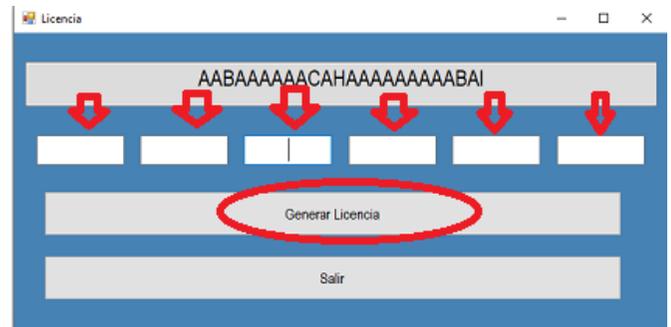
If you do not have internet access, you must make a phone call to obtain a temporary code to display a telephone activation form and a telephone licence (valid during the day).

When we have this code we click on the button and enter the code



The telephone activation form will appear, enter the telephone licence number supplied by the manufacturer in the boxes and click the button.

Generate Licence.



6. LICENCE TYPES

- **Unlicensed.**(Administration) (0)
 - Allows connection to a database for data entry or visualisation of weighing operations.
- **Slave** (1)
 - This licence allows us to connect to another workstation with a basic licence or higher. You can carry out weighing operations from this workstation as a slave.
- **Basic** (2)
 - Allows connection to multiple scales.
 - Access to data entry.
 - Automatic weighing or operator weighing from the computer screen.
 - Weighing history records.
 - Listings.
- **Visiocam (Panoramic)** (3)
 - Allows all the functionalities of the basic licence.
 - Adds connection with up to two cameras per scale for the general view of the scale or to take photos of the loading of the trucks. It also allows to automate the photography when weighing.
- **Professional** (4)
 - Allows all the functionalities of the Basic license + Visiocam.
 - Adds automatic number plate reading by means of number plate recognition with camera.
 - Includes the License for number plate reading.
- **Professional + Access Control** (5)
 - Allows all the functionalities of the Professional licence.
 - Adds vehicle entry and exit control management to the company by reading number plates or cards. Allows the connection of Eth plates for opening doors, traffic lights, etc...

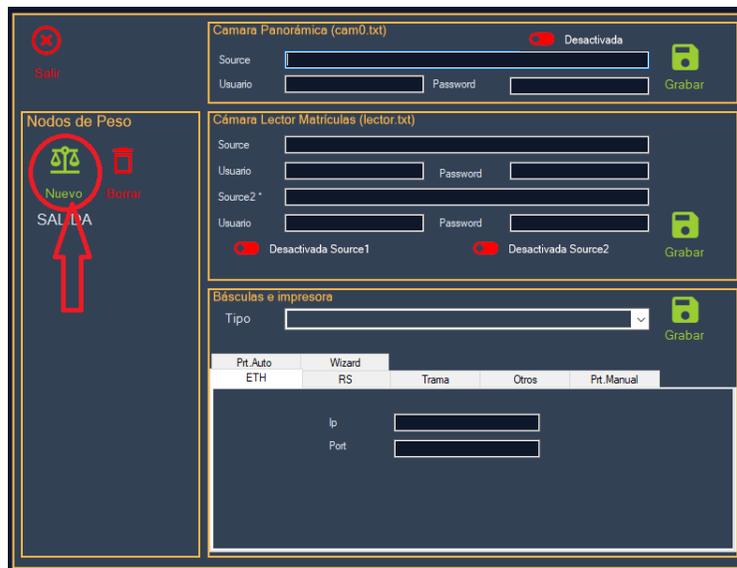
7. CREATION OF NODES

We call node to the configuration of all the equipment associated to a scale, the program allows multiple nodes, the allowed configurations are:

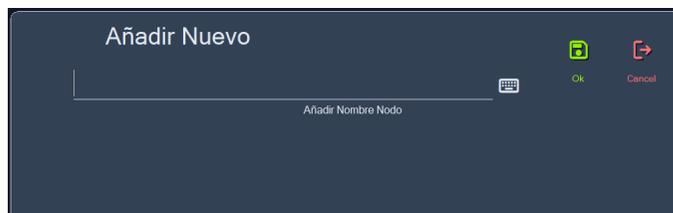
- Configuration of communications with the scale display.
- Configuration of the printer that will issue the tickets, making it possible to differentiate between the printouts made in automatic mode and those made manually by the operator from the work form.
- Configuration of the cameras for panoramic vision and/or photo capture (depending on the type of licence).
- Camera configuration for number plate reading (depending on the type of licence).

Let's create the first node:

- Click on the sidebar menu  **Configuration** /  **Scale**
- We configure the name identifier of the Node or Scale..

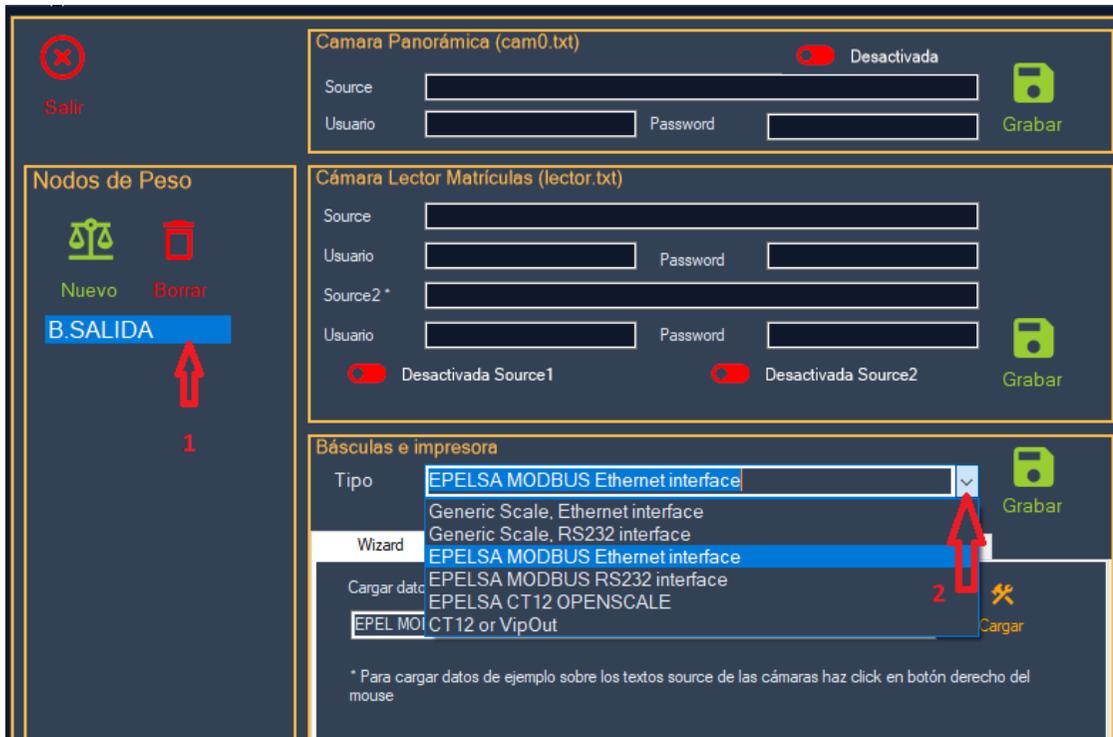


Click on the button  **New** and write the name of the node and  save

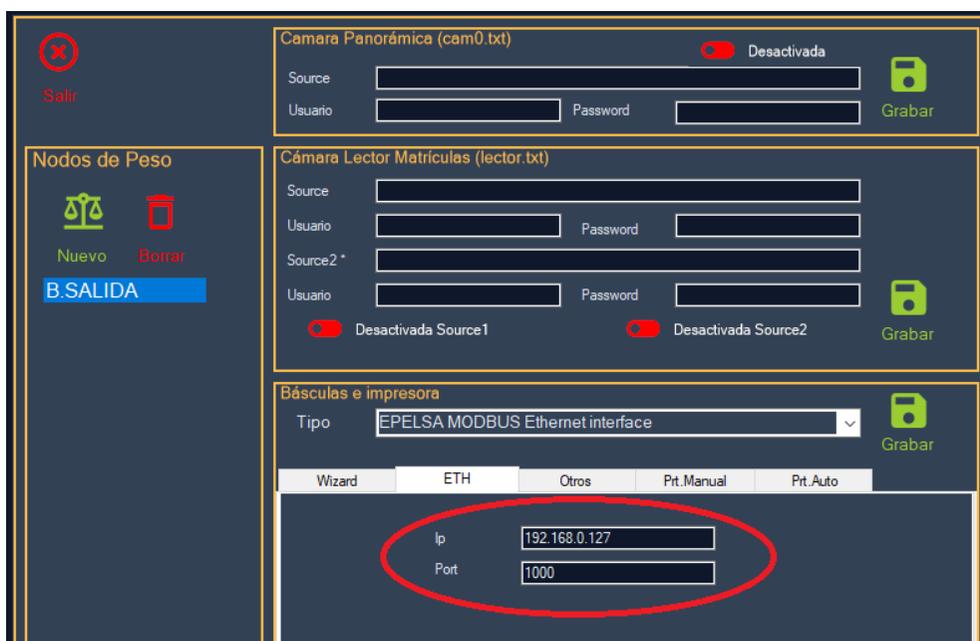


The name of the node will appear on the left side of the form. Select it by clicking on it and configure the node's data in the panel on the right.
Next, we choose the type of communication of the scale display associated with the node.

In this example, we will connect an ENI device via ModBus Ethernet.



In the Wizard tab, an  UPLoad button will appear. If we click on it, it will load example parameters that we can then replace with the correct values. In the Ethernet tab we will place the Ip and Port of the weight indicator.



In the Other tab :

Communication timeout (Default value 500 ms)

Sleep (Default value 250 ms)



Approved memory.

Activate if working with approved memory



Product waiting.

In the case of an ENI it indicates whether the indicator will ask for the product code on the screen.

Maximum Weight (kg) Defines the maximum weight of the scale.

Weight Min (Kg) Defines the minimum weight that we consider zero.



Requires external selection,

Activate when working with devices that require data selection before weighing, such as touchscreen poles or Android devices.

Relay Board and Relay

Allows you to select the relay board with which this scale will work and the relay that will activate the traffic light or barrier.

Rele Mode

ON min.W **OFF** recording W..

It is activated when the minimum weight is exceeded and deactivated when the weight is registered.

ON recording W.

It is activated when the weight is registered.

Unlock Scale

Allows equipment to be unlocked when working with loops.

Lock Scale

Allows locking of equipment when working with loops.



Plat 1.

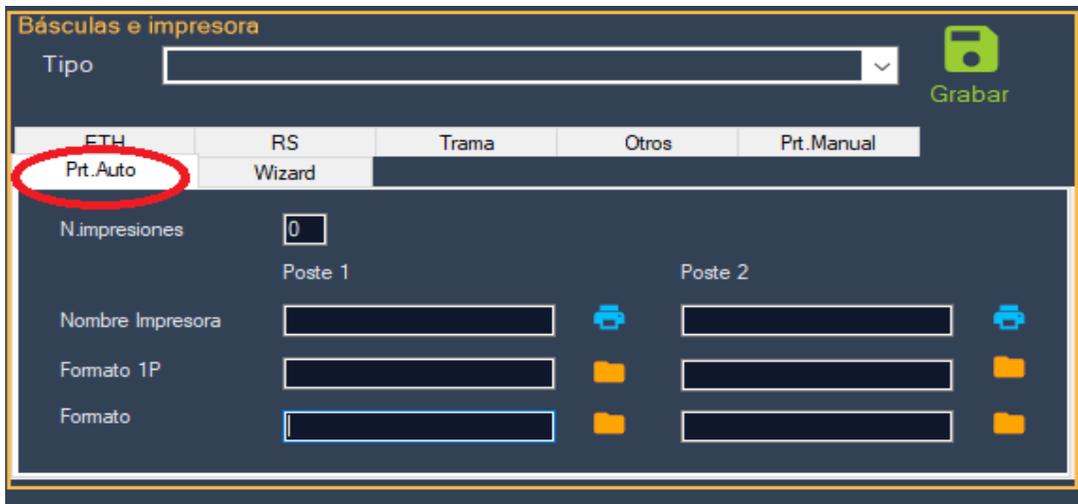
Allows you to select which platform (of the two internal Orion or ENI viewer platforms) you are working with. It works only with the OD BUS protocol and is associated with the weight platform we are working with..



In the tab Prn.Auto:

This tab contains the print settings in automatic mode, allowing to differentiate by post in case of 2 posts.

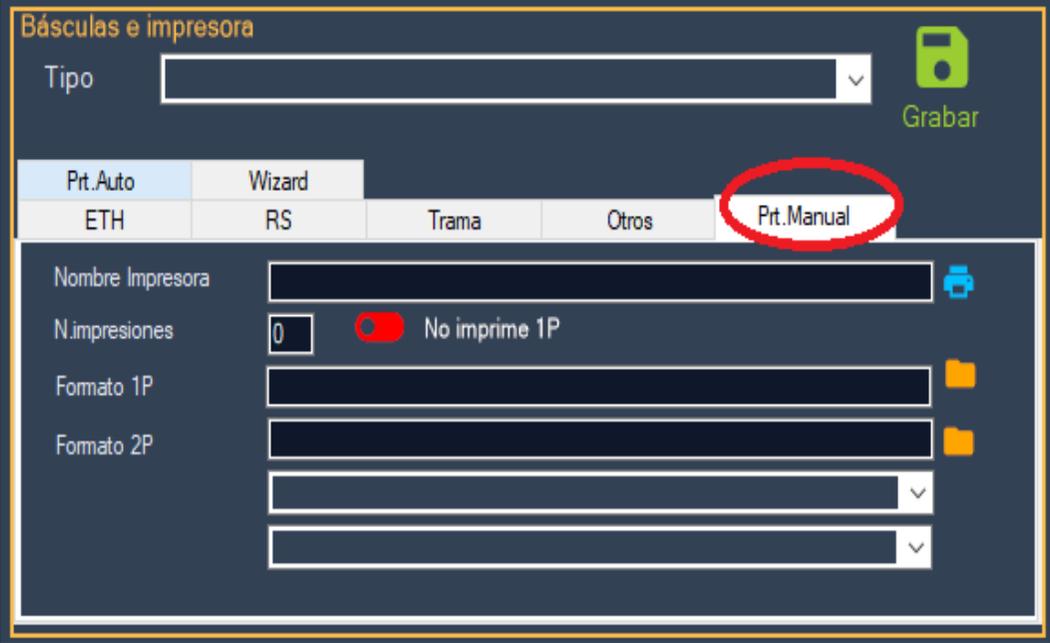
- **Printer Name:** Type "ENI" if the printout is to be made via the ENI viewer printer. Otherwise, select the desired printer from the drop-down menu.
- **-No. Impressions:** Indicate the number of copies to be printed (example: 1 equals one ticket).
- **Format:** In the template_print folder, select a template for ENI if printing will be done with the ENI printer (e.g. ENI_Template_1_SPANISH_1.txt). Otherwise, choose a generic template (e.g. GenericTicketTemplate_1_SPANISH.txt).



Format 1P: Here we choose the ticket format of the first weighing, if used.

Manual Prt. tab:

Configuration of the printout when the operator performs the weighing from the PC form.



Básculas e impresora

Tipo  Grabar

Prt.Auto	Wizard				Prt.Manual
ETH	RS	Trama	Otros		

Nombre Impresora

N. impresiones No imprime 1P

Formato 1P

Formato 2P

In case you want the ticket to be printed through the ENI viewer:

- **Printer Name:** Write "ENI" if the printout will be made using the ENI viewer printer.
- **No. Prints:** Indicate the number of copies to be printed (1 equals one ticket).
- **No Print 1P:** Select whether or not to print the ticket of the first weighing.
- **Format:** Select an ENI template in Format.
- **Launch by the established printer.**
- **Print directly.**

In case you want the ticket to be printed by one of the printers of the Windows operating system:

- **Printer Name:** Choose the printer using the search button.
- **No. Prints:** Indicate the number of copies to print (1 = one ticket).
- **Format 1P:** If the ticket is printed on the first weighing, choose a format.
- **Format 2P:** Select a template (e.g. GenericTicketTemplate_1_SPANISH.txt).

Select an option:

- Launch by the established printer.
- Allow to choose the printer before each print.

Select an option:

- Print directly.
- Allow to view the pre-print before printing.

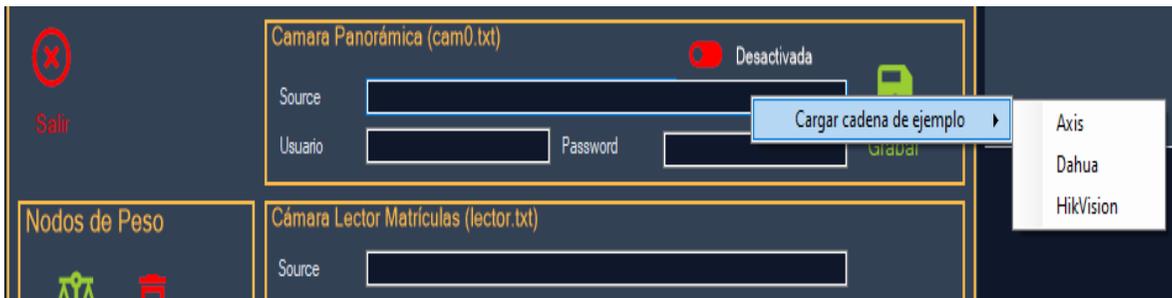
Save the data:

To save the scale and printer data, press :



Visiocam camera (if we have a Professional licence or higher)

Right-click on the Source field to load an example configuration string of the chosen camera type.



Replace the ip of the example string with the real ip of our camera, enter the User and Password of the camera and click on the Save button.

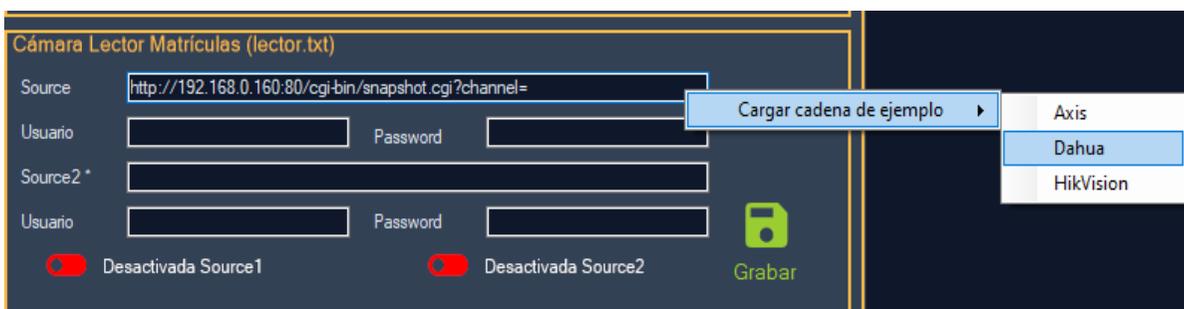


If we use any other camera, we can always configure it if we know its datasource (consult the manufacturer).

 **Deactivate/Activate.** Enables or disables the use of this camera.

License Plate Camera (if we have a Professional licence or higher)

It is the same procedure as in the Visiocam section.



Replace the ip of the example string with the real ip of our camera, enter User and Password of the camera and click on the Save button.

-  **Disable/Enable Source 1.** Enables or disables the use of camera 1
-  **Disable/Enable Source 2.** Enables or disables the use of the camera 2.

8. GENERAL CONFIGURATION

We will access the configuration form from the main screen in the **Menú lateral** /  **Configuration** .

This form allows us to configure some aspects of the programme's operation. Depending on what is programmed in the different fields, the programme acts in one way or another, so special emphasis must be placed on checking that the programming coincides with how we want the programme to react to different events.

The button  accepts all changes made on any sheet and closes the form. The changes are saved in the "settings.txt" file and are permanent.

The button  cancels all changes made to any sheet and closes the form.

The configuration has been separated depending on its nature into different TAB sheets, each TAB sheet is described in detail below.

Campos Datos	General	Impresora	Acceso	Idiomas	Auto	Style	Modo Guiado	Auto File Export
--------------	---------	-----------	--------	---------	------	-------	-------------	------------------

8.1 TAB DATA FIELDS

This section refers to the data fields associated with the weighing and the weigh-in-transit item, as well as to the free write fields in assisted weighing.

Data fields					En pesaje asistido																				
Campo	Visible	Editado desde perfil	Inicial	V1P	Nombre del campo libre	Obligatorio	Visible																		
Usuario				<input type="checkbox"/>	<input type="checkbox"/> Requerir cálculo de densidad																				
Empresa	<input type="checkbox"/>	Perfil edición selec.	<input type="radio"/>	<input type="checkbox"/>																					
T.pesada	<input type="checkbox"/>	Perfil edición selec.	<input type="radio"/>	<input type="checkbox"/>																					
Cli/Prov	<input checked="" type="checkbox"/>	Perfil edición selec.	<input type="radio"/>	<input type="checkbox"/>																					
Producto	<input checked="" type="checkbox"/>	Perfil edición selec.	<input checked="" type="radio"/>	<input type="checkbox"/>																					
Transportista	<input type="checkbox"/>	Perfil edición selec.	<input type="radio"/>	<input type="checkbox"/>																					
Conductor	<input type="checkbox"/>	Perfil edición selec.	<input type="radio"/>	<input type="checkbox"/>																					
Origen	<input type="checkbox"/>	Perfil edición selec.	<input type="radio"/>	<input type="checkbox"/>																					
Destino	<input type="checkbox"/>	Perfil edición selec.	<input type="radio"/>	<input type="checkbox"/>																					
Libre	<input type="checkbox"/>	Perfil edición selec.	<input type="radio"/>	<input type="checkbox"/>																					
Matriculas		Perfil edición selec.	<input type="radio"/>	<input type="checkbox"/>																					
Remolques	<input type="checkbox"/>	Perfil edición selec.	<input type="radio"/>	<input type="checkbox"/>																					
Contenedores	<input type="checkbox"/>	Perfil edición selec.	<input type="radio"/>	<input type="checkbox"/>																					
Filtro		Solo programador		<input type="checkbox"/>	<input type="checkbox"/> Establecer inserción cambiando el valor de Id																				
					<table border="1"> <thead> <tr> <th>Nombre del campo libre</th> <th>Obligatorio</th> <th>Visible</th> </tr> </thead> <tbody> <tr> <td>Hoja de Seguimiento</td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Mi campo numero 2</td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Este campo es invisible</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Notas 3</td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>No visible ni usado</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </tbody> </table>			Nombre del campo libre	Obligatorio	Visible	Hoja de Seguimiento	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Mi campo numero 2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Este campo es invisible	<input type="checkbox"/>	<input type="checkbox"/>	Notas 3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No visible ni usado	<input type="checkbox"/>	<input type="checkbox"/>
Nombre del campo libre	Obligatorio	Visible																							
Hoja de Seguimiento	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>																							
Mi campo numero 2	<input type="checkbox"/>	<input checked="" type="checkbox"/>																							
Este campo es invisible	<input type="checkbox"/>	<input type="checkbox"/>																							
Notas 3	<input type="checkbox"/>	<input checked="" type="checkbox"/>																							
No visible ni usado	<input type="checkbox"/>	<input type="checkbox"/>																							

Data fields

Field : Name of the data field. Refers to the data fields that you can or want to edit from the programme.

Visible:

- The field will be visible both in weighing for selection and in data editing in case the user has permission to edit.
- The field will not be visible in weighing or editing regardless of the selected profile.

NOTE: The fact that a data field is not visible does not mean that it is not saved with its default value in the weighing history database.

Editado from profile: The field will be visible in Data editing if you have at least the user profile selected.

Perfil edición ▼

- Usuario
- Listador
- Editor
- Administrador
- Programador

Initial: At its value ● when opening the heavy form, this field appears as the initial selected field, in its value ○ auto field selection is not performed when loading the weighing form. Only one initial field can be selected ● logically, there cannot be two firsts.

V1P:

- The field is added in HeavyItem (code and name). This field is visible from the main screen
- The field with this value does not appear in HeavyItem.

NOTE : It is recommended to use only the essential fields or none at all in order to have as many trucks as possible visible on the main screen.

Density calculation required:

- Density calculation is performed in the weighing form. FUTURE VERSIONS
- No density calculation is performed. Default value. FUTURE VERSIONS

NOTE : No value is applicable, future versions will calculate the density according to the container's m3.

Free fields

Free fields are defined as freely writable fields in aided weighing. These are fields that are filled in during weighing, e.g. tracking sheet, etc. They are treated in the same way as the Notes field.

Free Field Name: In these text boxes you set the text that will appear in the weighing form above the free field box. Literal0..4 for printing in ticket format.

Obligatory:

- It does not allow weighing unless the box corresponding to the free field has a text value.
- The value of the text box will not be taken into account, even if it is empty. Default value.

Visible

- Show the text box and the descriptive in the weighing form..
- The text box and the descriptive are hidden in the form. Their space is divided between the boxes that are visible.

NOTE : Mandatory and visible envelope, the mandatory fields must be visible, otherwise it is not possible to weigh unassisted due to the impossibility to fill in a non-visible field..

Set the insertion by changing the value of id

In its value in the import of the weighing history file ignores the record id and inserts it as a new record.

In its value the import of the weighing history file overwrites the id of the record if it already exists or creates a new one if it does not exist..

Important note. Weighing record import operations are not reversible, you must be especially careful when performing them and check that the import configuration parameters are as desired.

It is recommended to make a backup before performing any import.

THE RESPONSIBILITY FOR THE LOSS OF DATA IN THIS OPERATION LIES SOLELY WITH THE USER WHO PERFORMS IT.

8.2 TAB GENERAL

This section refers to the behaviour of the programme's mode of operation in specific situations.

All companies share the same ticket number.

In its value the ticket number assigned to each weighing is common, regardless of the company selected at the time of weighing. The programme automatically assigns the next ticket number from its counter section and puts the counter of all the companies in common.

In its value each company has its own counter and each weighing is assigned the next available number. In this case it may happen that we have weighings from different companies with the same ticket number.

Allow unassisted weighing 1P

In its value the first automatic weighing (camera, RFID card, scanner or pullfile) is allowed if the number plate is registered in the database.

At its value it is not allowed to perform the first weighing automatically.

Allow unassisted weighing 2P

In its value second weighing is allowed automatically (camera, RFID card, scanner or pullfile) if the number plate is registered in the recorded number plates or if the first weighing has already been carried out.

In its value the second weighing is not allowed to be performed automatically.

Launching unauthorised number plates in the UI.

BPWin+ does not allow unauthorised licence plates to be weighed unassisted. For a licence plate to be authorised, it must be registered in the system. This field allows to display unauthorised number plates read by cameras or pullfile in the user interface.

In its value the unauthorised read number plate is released as if it had been keyed in for weighing through user interaction. The launching of this number plate only occurs on the PC with MASTER licence or higher, not on the slaves.



In its value no action is taken, so the licence plate will not be weighed automatically and is output **WITHOUT WEIGHING**.

date1 is always Tara

In its value date1 of the weighing history record always corresponds to the date on which the lowest weight value was weighed, date2 of the record always corresponds to the date of the highest weight value recorded.

In its value records date1 at its lowest time value and date2 at its highest time value.

Tare is the lowest value/Tare is always 1P. Allows us to choose whether we want the tare to always be the lowest value or if Tare is always 1P.

Type of weighing Customer/Supplier Normal / Type of weighing Customer/Supplier always visible.

If we select Normal weighing type, the type will be automatically selected from what is programmed in the Customer/Vendor tab.

If we select Type of weighing Client/Prov. a combo will appear always visible to be able to change if we are interested in the type Client/Prov. when carrying out the weighing.

Chat

<input checked="" type="checkbox"/> Habilitar Chat	Port	8050
Ip Servidor	127.0.0.1	

Enable the chat service. We will enable this service only if we have slaves in the same network. The Android BpWinTerminal are considered slaves for all purposes.

The programmed port must be free of firewalls or with permissions for communication between devices.

In server ip we will put the ip of the Master PC.

In this type of installation where there is a Master and n Slaves, we only need a fixed IP in the MASTER.

Enables the chat service in its negative value if no Slave or Android BPWinTerminal equipment is available.

Panoramic Camera

Refresh time	500
<input checked="" type="checkbox"/> Take photo automatically	
Photo Route	C:\fotos

Refresh time sets the time in milliseconds that snapshots are taken in the camera defined as panoramic.

In the value of snapshot automatically saves this snapshot in the destination Photo Path folder as license_ntkt.jpeg.

Camera License Plate Reader

Percentage of valid reading	85
Minimum character height	20

In order for a camera-read number plate to be considered valid, the reading percentage must be greater than the set value and the height of the character read must be greater than the set value. If this does not occur, the number plate reading is rejected.

Activate logs

Activate the test function at its value where it writes us text files with the date format of everything that passes through the program routines.

This is especially useful for locating faults or processes that have not executed correctly.

Activate VPAR logs (Technical Service)

Activate the number plate recognition test function in its value where it will create an analysis file for character heights and percentages. Once the appropriate percentages have been programmed, this option must be set back to its value for the correct performance of the program.

8.3 ENTERPRISE TAB

Alternative Printer	
Printer Name:	MiNombreImpresora 
Format	MiRutaFormatoImpresion 
<input checked="" type="checkbox"/> Reprint all tickets on this alternative printer. <input checked="" type="checkbox"/> Save ticket as PDF	
Printer Unmemorised	
Printer Name:	MiNombreImpresora 
Format	MiRutaFormatoImpresion 

In this Tab we configure the alternative (weighing history) printer. . Pulsing over  no dialogue box opens so that we can choose the name of the printer from those installed on the system. We can also search for a ticket format for the alternative printer. .

Reprint all tkt by this alternative printer.

In its state, it automatically reprints the scale tickets in the format and on the selected alternative printer.

NOTE : If reprinting is chosen it will be printed automatically without being displayed on the screen, as this option is intended for unattended operation.

Save tkt as PDF

In its state creates a PDF of the scale tickets in the format and for the chosen alternative printer automatically. They are saved in the folder TiquetPDF.

NOTE : The file name is the ticket number.

In the same way we can configure the format and the printer of the weighing WITHOUT MEMORISING.

8.4 TAB Access

Activate access control

Activates the access control function at its value. This check only serves to temporarily deactivate the access control, since, even if it is set to a positive value, it does not work if we do not have a licence.

8.5 TAB Languages

This Tab allows us to change the language of the programme to the one we select.

Select language

Castellano	▼
Castellano	
Catalán	
Inglés	
Francés	
Holandes	
Etc	

If you need any additional language, please contact Epelsa Group.

8.6 TAB Auto

This tab allows the configuration of different aspects that have process automation in common.

Auto Emailing

email	micorreo@gmail.com		
Password	asdfasdf1234		
Host	mihost		
Port	8054	<input type="checkbox"/> SSL	
Send an email to	<input type="checkbox"/> Customer	<input type="checkbox"/> Carrier	<input type="checkbox"/> Driver

If we configure our email data correctly, when we weigh, the program automatically sends an email to the fields that we have marked with the value , this email is sent attaching a copy of the ticket.

Note: For the email to be sent, it is necessary that the "email" field of the corresponding customer, transporter or driver cards is filled in with a valid email address. If the "email" field is empty, the email will not be sent.

Free fields

Set Name			
Save free field			
Positions to be saved	Product code ▼	Product Name ▼	
Compare against	Product code in history.		▼

Set the desired name for the free field and press  to change in the database. The field "Save free field" must be empty, if it is not, the fields destined to "free field" in the weighing history will be filled with the values of the weighing that we have selected in "positions to save". In the weighing history form there is a "compare" button, which allows you to filter the fields that have been modified in comparison with the "Compare against" field. (Security functionality requested by a client).

Convert read hexadecimal values to decimal values.

At its value all cards read by the program will be converted to decimal value. In addition, a prefix "00" is always added to cards external to ENI systems.

FAREWELL MESSAGE

FAREWELL MESSAGE

Message dismissed



In ENI systems, a message is sent to the indicator when the weighing is saved. The output message is set in this field. If the value is left blank, the program sends the DESTINATION text that is selected.

IN OUT FILES

- Self-reading. IN files Allow unmemorised number plates
- Create Auto. OUT1P files
- Create Auto. OUT2P files

*See operation in document IO FILES.

Auto reading. IN files

Enables/Disables the option to read the IN file.

Create Auto. OUT1P files

Enables/Disables the write option of the OUT1P file.

Create Auto. OUT2P files

Enables/Disables the write option of the OUT2P file.

Enable non-stored number plates

In its value , automatic weighing is allowed (camera, pullfile, infile) even if the number plate is not in stored number plates. This option overrides the launching of non-stored number plates to the UI (User Interface), as no user intervention is required for weighing. The default data for automatic weighing will be obtained from the first record of pre-recorded number plates. It is important to create the first record with the default data that we want to be recorded.

In its value the program will manage the unrecorded number plate in its usual way.

Automatic weight range	1000
Weight cycles Automatic	7
Auto Reset Cycles	0

- **Auto set License plate not memorised**
- **Prioritise number plate reading**

Automatically selected company

In BPWin+ assisted operation (via cameras or pullfile), once the number plate has been detected, the programme proceeds to weighing provided the following conditions are met:

- The scale weight value must not fluctuate more than the Automatic Weight Range for the number of cycles defined in Automatic Weight Cycles.
- If this condition is not met, the countdown restarts until the weight stability criterion is reached.

By adjusting these values, we can prevent the weighing from taking place while vehicles are entering the scale, even if the number plate has been read correctly.

With the parameter **Auto reset cycles** other than zero, the scale will not wait for unloading before accepting number plates again. Instead, it will count the programmed cycles and return to the number plate insertion mode.

With the parameter **Auto set unstored number** plate activated, as soon as the weight exceeds the minimum weight, an unstored number plate called "AUTO PRINT" is automatically assigned and printed according to the usual configuration criteria. The printout will be made directly with the format and printer set to Printer without saving.

This print mode will also execute programmed actions, such as traffic light and barrier control, file generation, etc.

Important note: If this parameter is activated and n auto reset cycles are programmed, the program may enter a print loop if the set criteria are met.

With the parameter **Prioritise number plate reading** in negative value, the weighing is prioritised as soon as the number plate is detected.

In positive value, priority is given to the card reading.

This is useful when in the number plate record there is a number plate programmed which also has an associated card, allowing to define which of the two has priority.

Automatically selected company

Automatically selects the company to which this team belongs. It is especially useful when used in conjunction with the filter file **filter1p.txt**.

Example:

If the database is shared between different plants, this parameter will allow to display in the user interface only the trucks of a specific company..

Brief explanation of the filter1p.txt file

The filter1P file has to be located on the scale node. If the file exists, apply the filter.

Example lines from the filter1P file:

In this example line you can see that a filter per company will be applied.

*Select * from tprimerapesada where cmd LIKE "%M}7}0}1%"*

In another example line it can be seen that a filter per scale will be applied.

*Select * from tprimerapesada where idbascula=0*

8.7 TAB Style

It allows us to configure some parameters of the style of the forms..

Altura Báscula	80	 Record
Altura Báscula	10	
Texto Tamaño Pequeño	10	
Texto Tamaño Normal	12	
Texto Tamaño Grande	16	
	Night/Day Mode	
	Touchscreen/Normal	

Grid Height . Allows us to set the spacing between data in the programme grids. Especially useful for fully tactile environments.

Scale Height is there for the adjustment of the program with the space reserved for scale in case it runs on a CT12 indicator.

Text Small Size. Allows us to modify the size of the small font.

Text Small Normal . Allows us to modify the size of the normal font.

Text Big Size . Allows us to modify the size of the large font.


 Allows to choose the colour of the user interface between light and dark.


 Activates or deactivates the touch keyboard functions.


 Saves the style settings.

8.8 TAB Guided Mode

	Normal/Guided mode
Guided Mode High Item	10
Ancho Item Guided Mode	10
Scale ▼	12
Fields and order	16
Table ▼	
Selected data	
	 Rubber selected item

 **Guided Mode** When this mode is activated, the user interface will request the data sequentially, following the order previously configured in section

Fields and Order.

Item High Guided Mode	Allows us to configure the height of guided mode screen items.
Guided Mode Wide Item	Allows us to set the width of the guided mode screen items.
Associated scale	Scale to which the guided mode is associated
Table from which we want to be asked for data	 Pressing selects the data
Selected Data	

8.9 TAB Auto Export File

AutoExpor

<input type="checkbox"/> AutoExport (only with professional licence)	Hora	23 : 00	🔍
Export Route			

Report .rp16

	🔍
--	---

File name

Prefix	Format Date	Suffix	Extension	
entry	yyMMdd	suffix	.csv	

Separator field (Ascii Code)

59	<input checked="" type="checkbox"/> Headers / No Headers	 Save
----	--	--

If AutoExport is checked, a weight history file named dia.csv will be automatically generated in the path specified in Export Path, at the time set in the Time field.

This is especially useful in installations where automatic export of weights to other systems via a flat file is required for processing.

Report .rp16

Here we select the file containing the export structure. This structure is configured in the **Programmable lists** option, where the fields to be exported can be chosen and saved in a file that can then be selected from this section.

File name configuration

The file name is fully configurable using the following structure:

Prefix + Date format + Suffix + Extension

In the Separator (ASCII Code) field, the ASCII character that will act as a separator for the exported fields must be indicated.

Headers / No Headers

With this switch we select whether we want to print the headers in the export.

9. DATA EDITING

Edition

														
Buscar <input type="text"/>  														
 Nuevo													 Salir	
 Editar														
 Borrar														
 Export.														
 Export.														
 Import														

From Menu / Edit we access the different data tables.

Description of the common buttons in all the editing forms:

	Add new record
	Edit selected existing record
	Delete selected record
	Performs the search by typing according to the field and value of the selected filter.
	Performs an export in .csv format of the table we are in.
	Performs a custom export
	Performs an import to the table from a file in csv format.
	Exit the editing form

													
Usuario	Empresas	Tipo Pesada	Cientes / Prov.	Productos	Transportistas	Conductores	Origen	Destino	Libres	Remolques	Contenedores	Matriculas.	Accesos

By clicking on the different icons in the bottom bar, you can access the different forms for data editing.

Companies

Access from the Side Menu Datos / Companies / Editar



Empresa

Código: 0 Nombre: RECICLADORA DE VIDRIO S.L.

Linea Cabecera1: C/ LAS ROSAS Nº 88 - 35118 AAAC Pie de Tiquet1

Linea Cabecera2: CIF: B99999999 Pie de Tiquet2

Linea Cabecera3: Móvil: 699 999 999 Pie de Tiquet3

Linea Cabecera4: Pie de Tiquet4

Linea Cabecera5: Pie de Tiquet5

 Ruta Logo: C:\Users\Leandro\Desktop\EPELSA_PROYECTS\logosEpelsa\logo_blancc

Ajustar No

N.Tiquet: 12452

Fill in Code and Company Name

In Header Lines 1 to 5 are the lines of text that will appear in the header of the ticket.

In Ticket Footer Lines 1 to 5 are the lines of text that will appear at the End of the ticket.

In the Logo Path, we will use the magnifying glass to search for the path where the company logo we want to include in the ticket is located (except for ENI equipment designs).

Set Logo Yes / No

In the Counter tab we have the counter of this company.

Saves the changes made.

Exit the file.

Usuarios

From Side Menu Datos / Users / Editar

Enter Code and Username.
Enter password.
Choose Access Level for this User

- Hide User Yes / No
- Saves the changes made.
- Exit the file.

Types of Weighing

From Side Menu Data / Heavy Type / Edit

Enter Code and Heavy Type.

Suppliers / Customers

From Side Menu Data / Customer/Supplier / Editar

The screenshot shows the 'Edición Cliente/Prov.' form. The 'Tipo' field is set to 'Solo cliente'. A dropdown menu is open, showing three options: 'Cliente y proveedor', 'Solo cliente', and 'Solo proveedor'. The 'Solo cliente' option is highlighted with a red box. The form contains various input fields for customer information, including 'Código', 'Nombre', 'Dirección', 'Población', 'N.C. Bancaria', 'Email', and five 'Texto' fields. At the bottom, there are 'Aceptar' and 'Cancelar' buttons.

Enter data and choose whether you are a customer, supplier or both.

Products

From Side Menu Data / Product / Editar

The screenshot shows the 'Edición de Producto' form. The 'Código' field is set to '17'. The 'Nombre' field is set to 'CHATARRA'. The 'Texto0' field is set to '170405'. The form contains various input fields for product information, including 'Código', 'Nombre', 'Texto0' through 'Texto9', 'Cod. Externo', 'Cod. Interno', 'Familia', and 'EAN'. At the bottom, there are 'Aceptar' and 'Cancelar' buttons.

Product data entry **Transporters**

From Side Menu Data / Transport / Edit

Código	13	Nif.	B000000
Nombre	GRUAS RODRÍ S.A.		
Dirección	CRTA. VALENCIA 69		
Población	MADRID	Cp.	55555
Teléfono	649000000	Email	AAA@AAA
mail	aaa@aaa.com		
Texto1			
Texto2			
Texto3			
Texto4			
Texto5			
grupo			

Entering carrier data



Drivers

From Side Menu Data / Drivers / Edit

Código	1	Nif.	99999627
Nombre	PEDRO MORATA OJEDA		
Dirección			
Población		Cp.	
Teléfono 1		Teléfono 2	
Email			
Texto1			
Texto2			
Texto3			
Texto4			
Texto5			
Grupo	0		

Driver data entry

Origen

From Side Menu  Data /  Origen /  Edit



The screenshot shows a dark-themed form titled "Tabla Origen". It contains three input fields: "Código" with the value "1", "Nombre" with the value "GRAN CANARIA", and "Info" which is empty. At the bottom right, there are two buttons: "Aceptar" (green) and "Cancelar" (red).

Introduction of Origin data.

Destino

From Side Menu  Data /  Destination /  Edit



The screenshot shows a dark-themed form titled "Destino". It contains three input fields: "Código" with the value "3", "Nombre" with the value "LANZAROTE", and "Info" which is empty. At the bottom right, there are two buttons: "Aceptar" (green) and "Cancelar" (red).

Introduction of Destination data



Licence plates

From Side Menu Datas / Licence plates / Edit

Introducimos la Matrícula.

Código	Empresa	Linea 1 Cabecera	Linea 2 Cabecera	Li
0	RECICLADORA DE VID...	C/ LAS ROSAS Nº 65 - 0...	CIF: B000000	
1	RECICLADORA DE VID...	C/ LAS ROSAS Nº 65 - 0...	CIF: B000000	

We

write the weight of the **Vehicle Tare** , if necessary, and with the switch (**Tara**) we activate whether or not to use it in weighing.

We can also associate **Remolque tare**, **Container Tare** or a **Free tare**. All the tariffs will be summed up and displayed in the field **Σ T** .

Tara Vehículo	T.Remolque	T.Contenedor	Tara Libre	Σ T Suma de Taras
---------------	------------	--------------	------------	-----------------------------

Cards

Normal P.M.A 0 Automatic weighing No dates No Tare

If we use cards associated with the registration, the card code shall be entered in the field **Card**.



In the case of an ENI viewer, if the node configuration is already created correctly, we pass the card through the ENI viewer and, if we press the button next to the card field, the card code will be written in the corresponding field. (It is necessary that the scale is selected in the work form and there is no vehicle on the scale). In P.M.A we shall enter the maximum authorised weight for this vehicle.

- Tare.** Enables or disables the use of tare weighing.
- Automatic weighing** . Enables or disables automatic weighing.
- No Dates** . Enables or disables date locking.
If the date of the MOT or insurance is out of date, it does not allow weighing.

Select Normal Weighing by default (other options would be Multi Load, Multi Unload).

Associate data:

We are associating data in the card of the number plate by clicking on the fields of the left column we will see the associated table to be able to choose the record that we want to associate.

The screenshot shows the 'Edición de matrícula' screen with the 'SE0000Y' license plate. A dropdown menu is open for the 'Empresa' field, listing various companies. A table below shows the associated records for the selected company.

Código	Empresa	Linea 1 Cabecera	Linea 2 Cabecera	Li
0	RECICLADORA DE VID...	C/ LAS ROSAS Nº 65 - 0...	CIF: B000000	
1	RECICLADORA DE VID...	C/ LAS ROSAS Nº 65 - 0...	CIF: B000000	

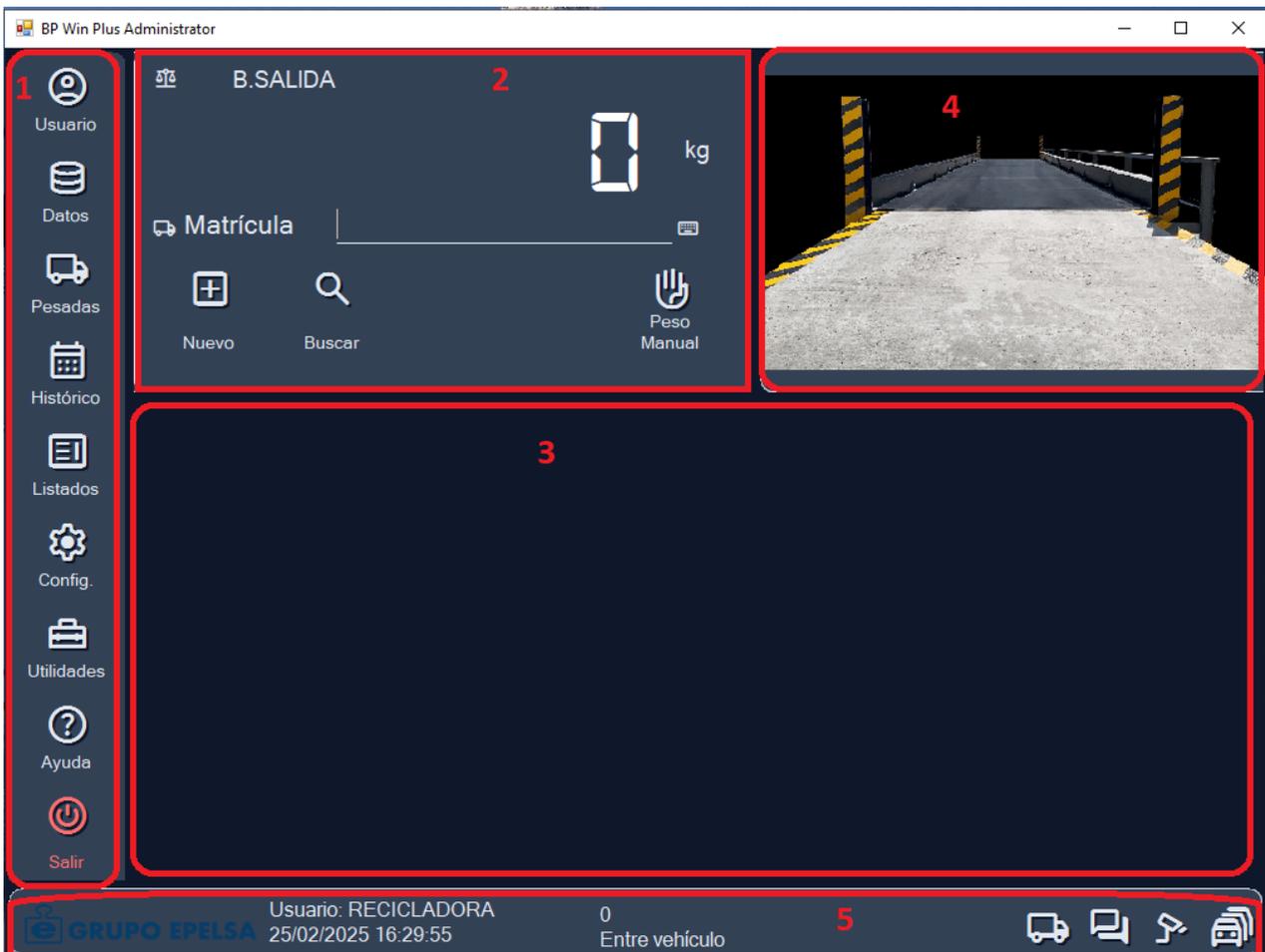
The Notes1 and 2 fields allow us to write any associated text for any comment or custom application.

10. WORK OPERATIONS

On the work screen there are 5 different zones:

1. Left-hand column: Main menu.
2. Selection of scales (if we have more than one) and display of the weight.
3. Display of data according to the pressing of the buttons in section 5.
4. Camera display.
5. Display of messages and selection of data to be displayed in zone 3.

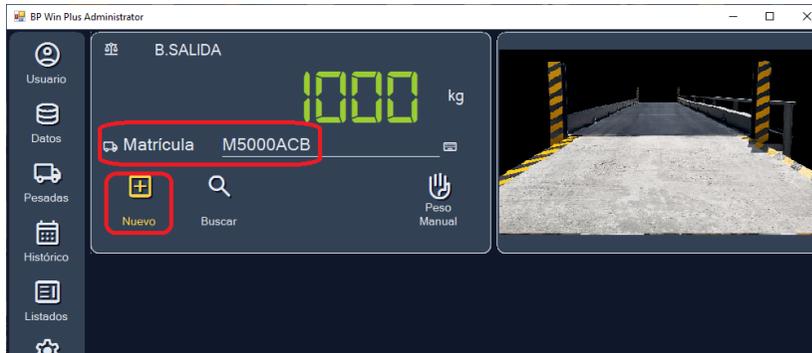
- Shows trucks in transit in zone 3.
- Chat
- Number plate reader
- Access Control



Select the scale with which you are going to weigh, if there is only one, there is no need to select it.

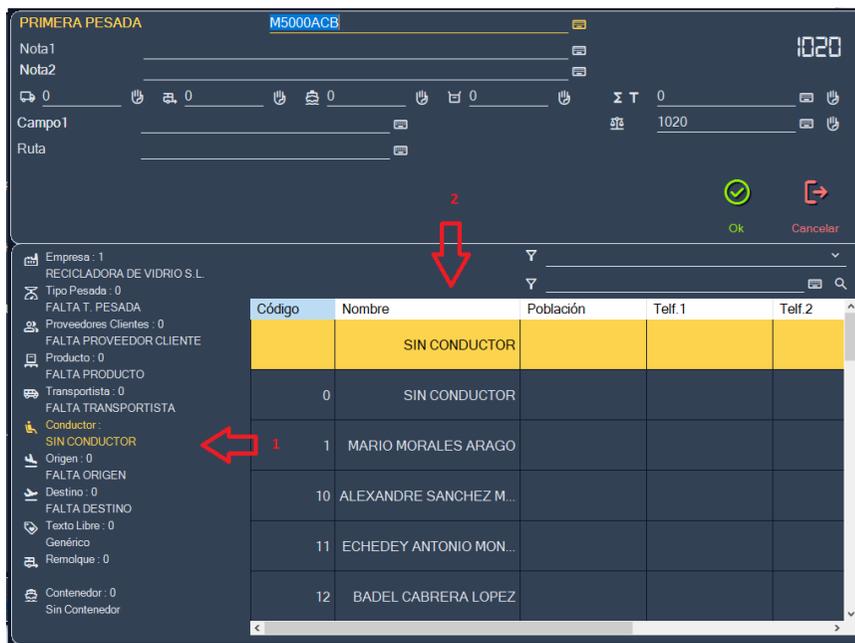
Option A (by typing in the number plate directly).

Enter the registration number in the Registration box and click on  New.



It will search the database for a weigh-in-transit. If not, it shall search the number plate table for associated data and display the First Weighing screen.

In point 1, we select in the left-hand column the data we want to modify and in point 2 the table appears to select the data we are interested in.

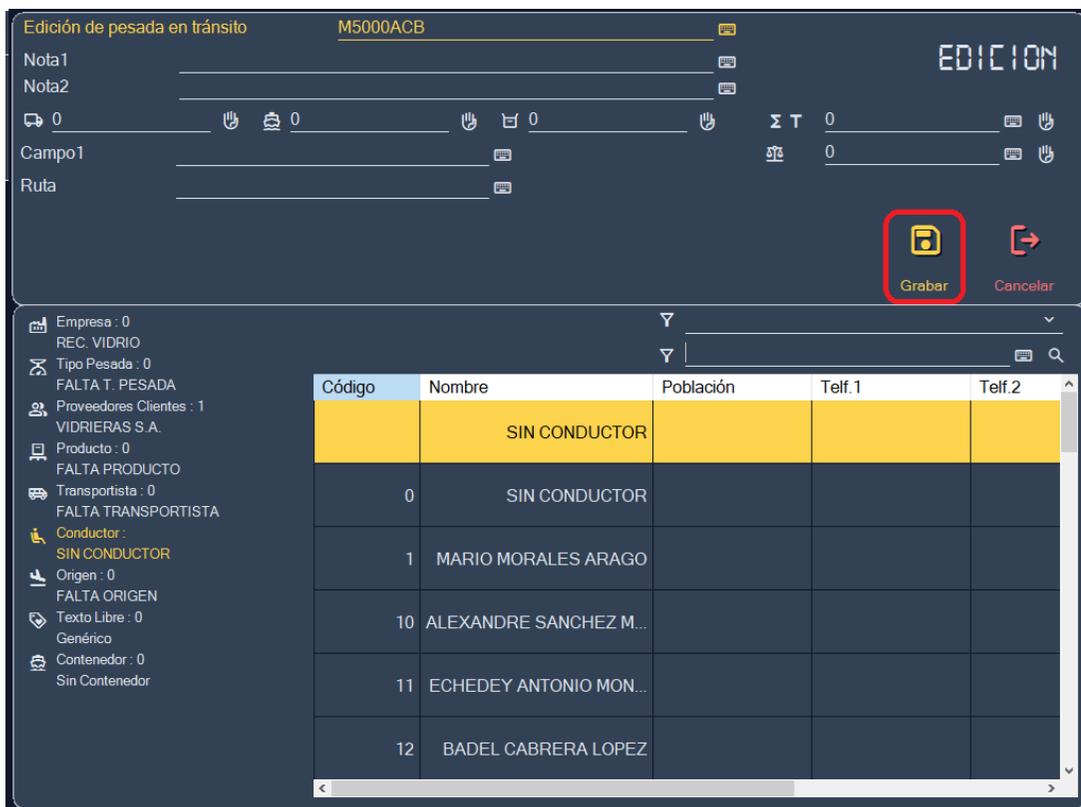


Once you have entered the data, click on  Ok to record. The item of the truck in transit will appear on the central screen. All trucks in transit will be displayed here.



To output it, when you return, you can click directly on the truck item and the form for entering the data of the Second Heavy will open.

Modify the necessary data and click on the button.  **Save to finish.**



The image of the truck in transit will disappear, the ticket will be printed according to the print settings and the record of the weighing will be saved.

Option B: Pre-recorded number plate search with the Magnifier

Click on the magnifying glass button



The search form for the number plates we have stored will appear. You can use the search filter or select the entry in the grid..

Edición de Matrículas

Buscar Buscar

Aceptar Cancelar

id	Matrícula	Tarjeta	Tara	Maximo	empresa	origen	remolque	destino	co
6			0	0	1	1	1	1	
7	S		0	0	1	1	2	1	
8			0	0	1	1	8	1	
9	C		0	0	1	1	0	1	
10	LTP		0	0	1	1	0	1	
11	H		0	0	1	2	0	1	
12	GZV		0	0	1	1	0	1	
13	HHH		0	0	1	3	0	1	
14	92		0	0	1	2	0	1	
15	C		0	0	1	1	0	1	

☑ Accept, the weighing data entry form will appear on the screen with the data we had associated with this licence plate.

PRIMERA PESADA SE0000AY 300

Nota1
Nota2

0 0 0 0 0 0 0 0

Campo1 300

Ruta

Edición de Empresas

Empresa: 0 REC. VIDRIO
Tipo Pesado: 0 FALTA T. PESADA
Proveedores Clientes: 1 VIDRIERAS S.A.
Producto: 0 FALTA PRODUCTO
Transportista: 1 TRANSPARNER S.L.
Conductor: 1 MARIO MORALES ARAGO
Origen: 1 GRAN CANARIA
Texto Libre: 0 Genérico
Contenedor: 0 Sin Contenedor

Código	Empresa	Linea 1 Cabecera	Linea 2 Cabecera	LI
0	REC. VIDRIO	C/ LAS ROSAS Nº 65 - 0...	CIF: B000000	
1	RECICLADORA DE VID...	C/ LAS ROSAS Nº 65 - 0...	CIF: B000000	

OK Cancelar

Correct the data if necessary and press the button.  Accept to end weighing.
In this example, the record of the weighing will be saved in table 1 Weighing and a new item will appear on the display.

Option C: Weighing in automatic with ENI Indicator

In this case, the vehicle is placed on the scale and the associated card is swiped through the card reader.

If the indicator is programmed to request the product code from the driver, the equipment shall request it via the indicator display.

If this is not the case, the weighing will be carried out with the data associated with this number plate, the record will be recorded and a ticket will be printed, depending on whether it is 1st weighing or 2nd weighing, depending on what we have configured in the node in the automatic printing section.

Option D: Automatic weighing with camera-based number plate reading.

Requires a Professional or Higher licence.

In this case, the vehicle is placed on the scale and, when the camera reads the number plate, a search is made in the database and a weighing is carried out with the data associated with that number plate, provided that it is authorised for weighing.

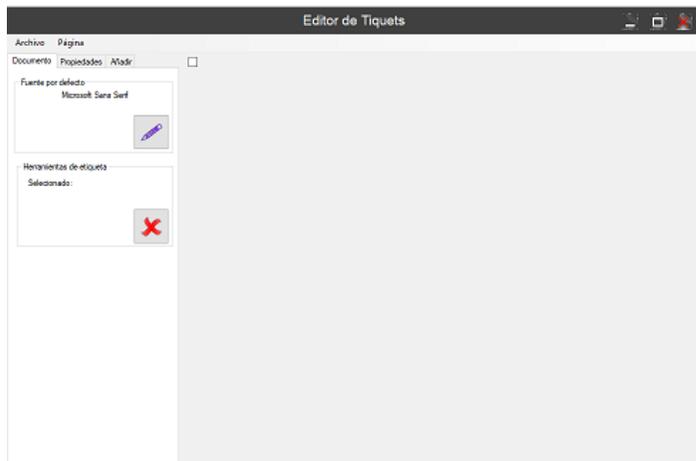
A ticket will be printed depending on whether it is 1st Weighing or 2nd Weighing, depending on what we have programmed in the node configuration in the automatic printing section.

11. TICKET PUBLISHER

From the side menu  Configuration /  Tickets Editor

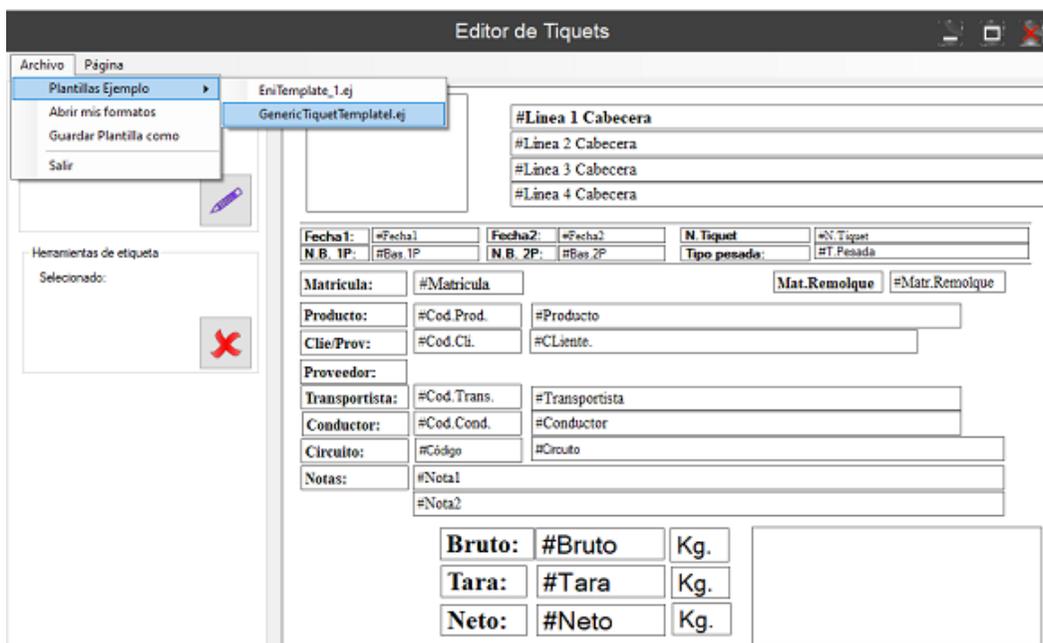
From this form you can design the format of the tickets to be issued.

There are two formats: the generic format for printing from the printers available in the Windows operating system and the specific format for ENI equipment.

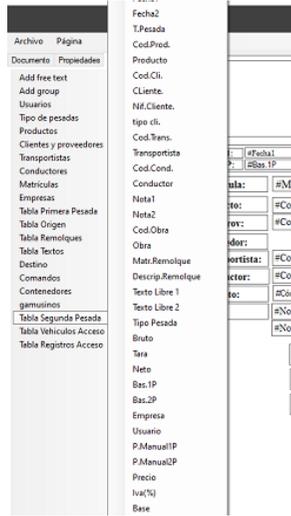


We can create an unlimited number of formats.

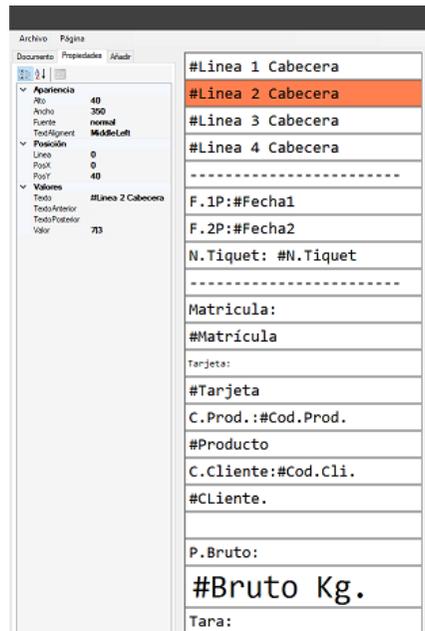
Sample templates are available so that you don't have to start from scratch when creating a design.



We can add or remove fields, move them around, change the font.



In the ENI format, we can add or remove fields, change the position and font. We can also save the format with a custom name using the "Save as" option.

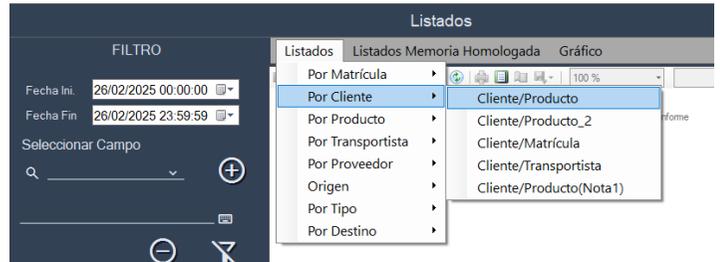
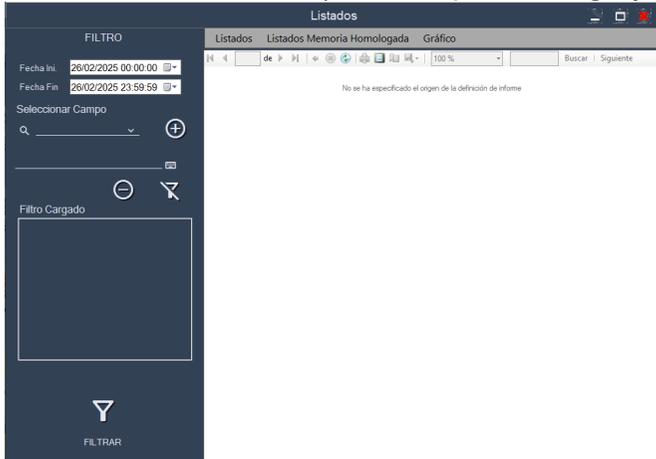


12. LISTED

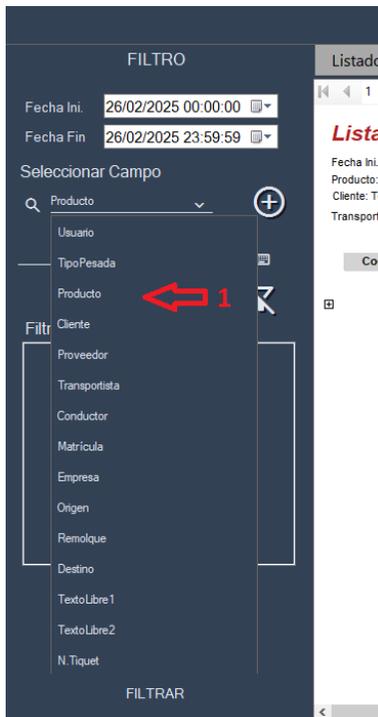
From the side menu: Listed

From this form, we can select different types of listings.

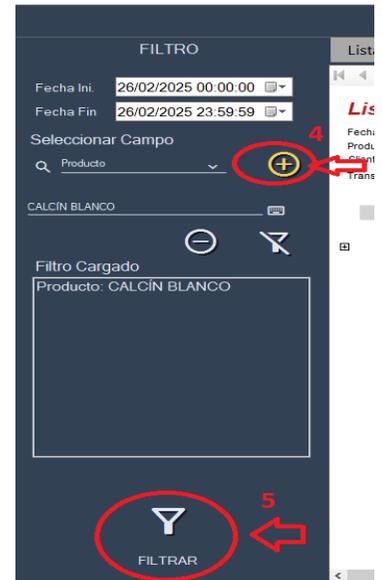
First, we select one (for example, Listing by Customer/Product).



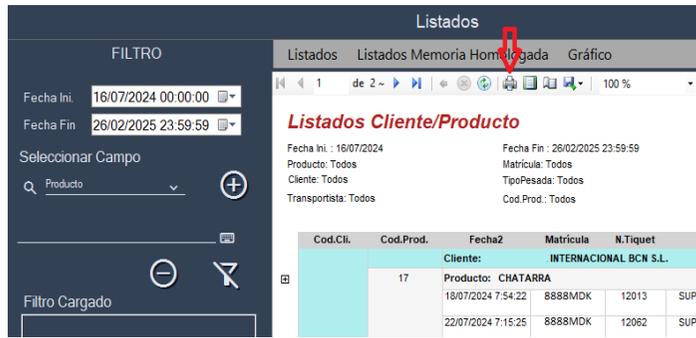
We can then filter the records by date and by different fields.



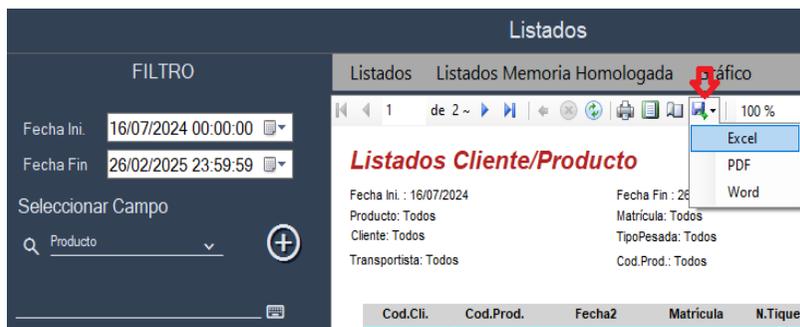
Código	Nombre	Comandos	Familia
0	FALTA PRODUCTO	0	0
1	CÁLCIN BLANCO	0	0
10	CÁLCIN ÁMBAR MUELLE	0	0
11	CÁLCIN VERDE MUELLE	0	0
12	RECHAZO	0	0
13	KSP RECHAZO GRUESO	0	0
14	KSP RECHAZO FINO BUENO	0	0
15	KSP RECHAZO FINO MALO	0	0
16	CUBOS DE BASURA	0	0



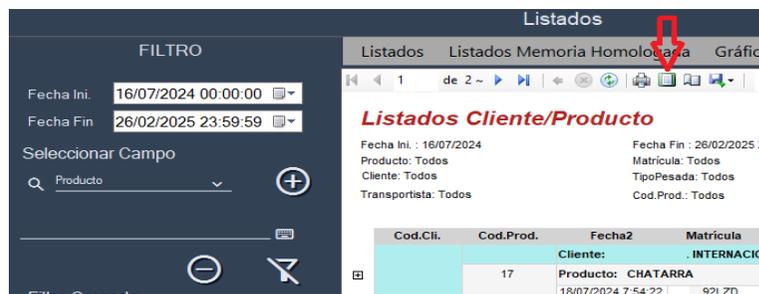
To print press:



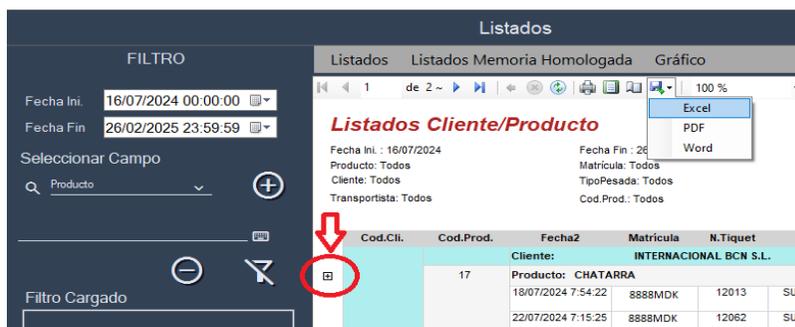
To export press:



Print design press:



To delete or add details of displayed records press:



13. HISTORICAL WEIGHING TABLE

Access from Side Menu  **Weighing history.**

From this form, you can view the records of the weighs carried out.

You can filter the searches by dates or by any field selected in the search filter, view the data on screen or print a customised list in .pdf or .csv format.

It is also possible to reprint any weighing record.

Weighing history table

31/10/2023  Busca Enrolment

31/10/2023  r _____ 

Filtro








 Export
 Export
 Enviar

 Foto1
 Foto2

-  Search by selected filter
-  Search between selected dates
-  Export
Export the filtered records to a CSV formatted file
-  Print customised lists
-  Edit or modify weighing record.
-  Opens a form to modify the data of the record.
-  Delete the selected weighing record.
-  Print the selected record by the automation printer or by the manual printer.
-  Alternative printer
-  View first weighing photo

14. CUSTOMISED LISTS

As each client needs the information presented and grouped according to their requirements, and as not all such groupings are available in the BPWin Listings programme, the BPWin+ programme offers the possibility of configuring multiple customised listings.

To do this, we can configure as many listings as the client wishes through the customisation form.

The Custom Listings form is accessed from the main screen.

Currency Lateral /  Configuration /  Personalised Listings.

This form allows the configuration of any data list in the programme, including all tables and columns within them, as well as offering two levels of grouping. Depending on what is programmed in the different fields, the list will show the information in one way or another, so special emphasis must be placed on checking that the programming coincides with the way we want to see the information.

We will be able to run our listings from the button  in any form where it is found.

Submission of the form

List Editor

Table	<input style="width: 90%;" type="text"/>				
Title	<input style="width: 90%;" type="text"/>	New Listing	Edit	Borrar	Salir

The options offered by the form are the creation of a new list, the edition of an existing list or the deletion of an existing list.

For any of the three options, we must first choose which table we want to work on (for example, SECOND HEAVY).

To create a new list, select the table we are going to work with, write the title of the list and click on the button  **New**.

To edit an existing listing, we only need to select the table and click on the Edit button. Once this is done, a new form will open, allowing us to select among the existing listings of the table. By selecting the list and clicking on the Open button, the data will be loaded into the form, allowing us to edit the current data of the list.

To delete an existing listing, we only need to select the table and click on the Delete button. A new form will open allowing us to select from the existing listings of the table. By selecting the list and clicking on the Open button, the list will be permanently deleted. **WARNING:** this operation is not reversible.

Once a list has been opened for editing or a new one has been created, the new elements will appear in the form.

List Editor

Table SecondHeavy

Title myreporte


 Nuevo Listado


 Edit


 Borrar


 Salir

C:/BPWinPlus/reportes/myreporte.rp16

Z1
+
-

Cod.Cli	
Cliente	Z2
Cod.Pro	
Producto	
Matricula	
Fecha2	
Neto	

▼ Varios

Agrupar	True
Alineamiento	0
Ancho	10
ColIndex	7
Descriptivo	Cod.Cli
Formato	
Subagrupar	False
Sumar	False
Valor	
SubSinDetalle	False

Z3


 Grabar

* The data that fill in the boxes are examples.

Z1 → It allows us to choose which column we want to add to the list.

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Z2 → Shows us which columns we have in the list. Selecting the column shows us its properties.

Z3 → This area allows us to edit the properties of the selected column at will.

 → Saves the current listing and its modifications.

Description and use of the properties of each columna

Group

The lists can simply be an enumeration of the fields we want, but sometimes we need equal values to be grouped together.

Examples of use:

- Example 1: We want to show all the articles of the same family (table products).
- Example 2: We want to show all the registers of a number plate (second weighing table).
- Example 3: We want to show all the daily records (second weighing table).
- Example 4: We want to group the weighings by product (second weighing table).
- Example 5: We want to group the weighings by customer (second weighing table).

For this purpose, on the column to be grouped, we will set the value to TRUE.

The program ignores any additional grouping and ignores the grouping property of the list once it has read the first grouping column.

Alignment

Possible values:

0

1

2

midato	midato	midato
--------	--------	--------

Ancho

This is the percentage value that the selected column occupies within the list. The value 100 indicates that it occupies the entire width of the page and the value 5 only 5% of the page.

The sum of all the columns must not exceed 100% in order not to obtain oddities in the printout.

Sometimes we may want to add a column to group, but not represent it in each of the records, in which case the width value should be 0 so that the column is taken into account in the list but is not represented in the records.

Colindex

Indicates the index in reference to the table that occupies this column, ignore the value as it takes the indexed column correctly. Manipulate the value only experts.

Descriptive

This is the title of the column containing the data.

Format

Sometimes we are not interested in presenting the information as it is recorded but through a presentation style, in these occasions we use the format property.

The format is dependent on the data value of the column, i.e. you cannot apply numeric formatting to text columns, or date formatting to number fields.

Sometimes we are interested in grouping by date, but when we do it we realise that the records do not join, that is because we have not formatted the date correctly. You have to think that grouping only groups EQUAL data and that 12/12/2023 11:39 is not equal to 12/12/2023 12:14. However, using the format dd/MM/yyyy both data become 12/12/2023 and then they are equal and are grouped together.

Some examples

0,000 for numbers will display the value 21520 as 21.520

dd/MM/yy for date will display the value 12/12/2023 11:39 as 12/12/23

For more information see FORMATS ANNEX.

Subgroup

The lists can simply be an enumeration of the fields we want, but sometimes we need equal values to be put together at several levels.

Examples of use:

- Example 1: Customer/Licence Plate (Group by customer, subgroup by licence plate)
- Example 2: Customer/Product (Group by customer, subgroup by product)
- Example 3: Product/Customer (Group by product, subgroup by customer)
- Example 4: Customer/Day (Group by customer, subgroup by day (date format dd/MM/yy))

For this purpose, on the column to be subgrouped, we shall set the value TRUE.

The program ignores if there are "n" subgroupings by ignoring the subgroup property of the list once it has read the first subgrouping column.

Add

Subgrouped values of columns with the Sum property set to TRUE shall be summed in each subgroup and also in each grouping.

Especially useful for obtaining totals.

Value

Field not used, not used.

SubGroupWithoutDetail

If the column has the SubGroupWithoutDetail value set to TRUE and the SubGroupWithoutDetail value set to TRUE, each detail line will not be printed making the report shorter. Especially useful for totalisation reports where the details of the individual weighings are not important.

Example of a list of items without grouping.

We use the columns code (width 25%), name (width 50%), family (width 25%).

Code	Name	Family
0	General product	0
1	Golden apple	1
3	Lemons	2
2	Fuji apple	1

Example of a list of items grouped by family.

Same fields as the previous example. In family we set group and subgroup to TRUE.

Family 0

Code	Name	Family
0	General product	0

Family 1

Code	Name	Family
1	Manzana golden	1
2	Manzana fuji	1

Family 2

Code	name	Family
3	Limonos	2

Example of a personalised list.

Enrolment (20%), ntkt (20%), Product(20%), Date(20%), Net(20%)

Ungrouped data with weight column Add to TRUE

Enrolment	ntkt	Product	Date	Weight
9995DGS	5	Limonos	22/03/2017	12000
0839JWV	6	Manzana golden	22/03/2017	11000
9995DGS	7	Manzana golden	22/03/2017	12000
0839JWV	8	Limonos	22/03/2017	13000
9995DGS	9	Limonos	22/03/2017	12000
				60000

Same data with Enrolment group TRUE, Product subgroup TRUE and Weight add TRUE.

Enrolment 9995DGS

Enrolment	ntkt	Product	Date	Weight
Product Lemons [2 reg]				
9995DGS	5	Limones	22/03/2017	12000
9995DGS	9	Limones	22/03/2017	12000
				24000
Product Golden apple				
9995DGS	7	Manzana golden	22/03/2017	12000
				12000

Enrolment 0839JWV

Enrolment	ntkt	Product	Date	Weight
Product Manzana golden [1reg]				
0839JWV	6	Manzana golden	22/03/2017	11000
				11000
Product Limones [1reg]				
0839JWV	8	Limones	22/03/2017	13000
				13000

Same data with Enrolment group TRUE, Product subgroup TRUE, Weight add TRUE and SubGroupNoDetail to TRUE.

Enrolment 9995DGS

Enrolment	ntkt	Product	Date	Weight
Product Limones [2 reg]				24000
Product Manzana golden				12000

Matrícula 0839JWV

Enrolment	ntkt	Product	Date	Weight
Product Manzana golden [1reg]				11000
Product Limones [1reg]				13000

Anexo Formato

Date symbols

Symbol	Range
<i>d</i>	1-31 (day of the month, without leading zero)
<i>dd</i>	01-31 (day of the month, with leading zero)
<i>w</i>	1-7 (day of the week, starting with Sunday = 1)
<i>ww</i>	1-53 (week of the year, without leading zero; week 1 starts on 1 January)
<i>m</i>	1-12 (month of the year, without leading zero, starting with January = 1)
<i>mm</i>	01-12 (month of the year, with leading zero, starting with January = 01)
<i>mmm</i>	Displays abbreviated month names (Hijri month names have no abbreviations).
<i>mmmm</i>	Displays full month names
<i>y</i>	1-366 (day of the year)
<i>yy</i>	00-99 (last two digits of the year)
<i>yyyy</i>	100-9999 (three- or four-digit year)

Time symbols

Symbol	Range
<i>h</i>	0-23 (1-12 with "A. M." or "P. M." appended) (time of day, without leading zero)
<i>hh</i>	00-23 (01-12 with "A. M." or "P. M." appended) (time of day, with a leading zero)
<i>n</i>	0-59 (minute of hour, without leading zero)
<i>nn</i>	00-59 (minute of hour, with leading zero)
<i>m</i>	0-59 (minute of hour, without leading zero). Only if preceded by h or hh
<i>mm</i>	00-59 (minute of hour, with leading zero). Only if preceded by h or hh
<i>s</i>	0-59 (second of minute, without leading zero).
<i>ss</i>	00-59 (second of minute, with leading zero).

Different formats for different numerical values

A user-defined format expression for numbers can have between one and four sections separated by semicolons. If the format argument contains one of the named numeric formats, only one section is allowed.

It is used	The result is
One section only	The format expression applies to all values.
Two sections	The first section applies to positive values and zeros, the second to negative values.
Three sections	The first section applies to positive values, the second to negative values and the third to zeros.
Cuatro secciones	La primera sección se aplica a valores positivos, la segunda a valores negativos, la tercera a ceros y la cuarta a valores Null.

Different formats for different chain values

A format expression for strings may have one section or two sections separated by a semicolon (;).

It is used	The result is
Only one section	The format applies to all string data.
Two sections	The first section applies to string data, the second to Nully string values of length zero ("").

Named date and time formats

The following table identifies the predefined date and time format names.

Nombre de formato	Description
General Date	Displays a date and/or time, e.g. 4/3/93 05:34 P.M.. If there is no fractional part, displays only a date, e.g. 4/3/93. If there is no integer part, displays only the time, e.g. 05:34 P.M.. The display of the date depends on the system configuration.
Fecha larga	Displays a date according to the system's long date format.
Fecha media	Displays a date in the median date format appropriate for the host application language version.
Fecha corta	Displays a date in the system short date format.
Hora larga	Displays a time in the system long time format; includes hours, minutes, seconds.
Hora media	Displays the time in 12-hour format with hours and minutes, and the AM/PM designator.
Hora corta	Displays a time in 24-hour format, for example, 17:45.

Named numeric formats

The following table identifies the predefined numeric format names.

Nombre de formato	Description
Número general	Displays the number without thousands separator.
Moneda	Displays the number with the thousands separator, if applicable; displays two digits to the right of the decimal separator. The result depends on the regional setting of the system.
Fijo	Displays the minus one digit to the left and two digits to the right of the decimal separator.
Estándar	Displays the number with the thousands separator, at least one digit to the left and two digits to the right of the decimal separator.
Porcentaje	Displays a number multiplied by 100 with a percent sign (%) appended to the right; always displays two digits to the right of the decimal separator.
Científico	Uses standard scientific notation.
Sí/No	Displays No if the number is 0; otherwise, displays Yes.
Verdadero/Falso	Displays False if the number is 0; otherwise, displays True.
Encendido/Apagado	Displays Off if the number is 0; otherwise, displays On.

User-defined string formats

Use the following characters to create a formatting expression for strings.

Character	Description
@	Character placeholder. Displays a character or a space. If the string has a character in the position where the hash mark (@) appears in the format string, it displays it; otherwise, it displays a space in that position. Placeholders are filled from right to left, unless there is an exclamation point character (!) in the format string.
&	Character placeholder. Displays a character or nothing. If the string has a character in the position where the commercial y (&) appears, it displays it; otherwise, it displays nothing. Placeholders are filled from right to left, unless there is an exclamation point character (!) in the format string.
<	Lower case forces. Displays all lowercase characters.
>	Uppercase Forces. Displays all uppercase characters.
!	Forces placeholder padding from left to right. The default behaviour is to fill placeholders from right to left.

User-defined date and time formats

The following table identifies the characters you can use to create user-defined date/time formats.

Character	Description
(:)	Date separator. In some regional settings, other characters may be used to represent the time separator. The time separator separates hours, minutes, and seconds when formatting time values. The actual character used as the time separator in the formatted result depends on the system configuration.
(/)	Date separator. In some regional settings, other characters may be used to represent the date separator. The date separator separates the day, month, and year when formatting date values. The actual character used as date separator in the formatted result depends on the system configuration.
c	Displays the date as dddddd and displays the time as tttt, in that order. Displays only the date information if there is no fractional part in the date serial number; only the time information is displayed if there is no integer part.
d	Displays the day as a number without a leading zero (1-31).
dd	Display the day as a number with a leading zero (01-31).
ddd	Display the day as an abbreviation (Sun-Sat). Localised.
dddd	Display the day as a full name (Sunday-Saturday). Localised.
dddddd	Display the date as a full date (including day, month, and year) formatted according to the system's short date format setting. The default short date format is m/d/yy.
dddddd	Displays a date serial number as a full date (including day, month and year) formatted according to the long date setting recognised by the system. The default long date format is mmmm dd, yyyy.
w	Displays the day of the week as a number (1 for Sunday to 7 for Saturday).
ww	Displays the week of the year as a number (1-54).
m	Displays the month as a number without a leading zero (1-12). If m immediately follows h or hh, the minute is displayed instead of the month.
mm	Displays the month as a number with a leading zero (01-12). If m immediately follows h or hh, the minute is displayed instead of the month.
mmm	Display the month as an abbreviation (Jan-Dec). Localised.
mmmm	Display the month as a full month name (Jan-Dec). Localised.
q	Show the quarter of the year as a number (1-4).
y	Display the day of the year as a number (1-366).
yy	Display the year as a 2-digit number (00-99).
yyyy	Displays the year as a 4-digit number (100-9999).
h	Displays the time as a number without a leading zero (0-23).
hh	Displays the hour as a number with a leading zero (00-23).
n	Displays the minute as a number without a leading zero (0-59).
nn	Displays the minute as a number with a leading zero (00-59).
s	Displays the second as a number without a leading zero (0-59).
ss	Display the second as a number with a leading zero (00-59).
tttt	Displays the time as a complete hour (hour, minute and second), using the time separator defined by the time format recognised by the system. A leading zero is displayed if the



Character	Description
	leading zero option is selected and the time is before 10:00 A.M. or P.M. The default time format is h:mm:ss.
AM/PM	Uses the 12-hour clock and displays AM in uppercase with any time before noon; displays PM in uppercase with any time between noon and 11:59 P.M.
am/pm	Uses the 12-hour clock and displays lowercase AM with any time before noon; displays lowercase PM with any time between noon and 11:59 P.M.
A/P	Use the 12-hour clock and display an uppercase A with any time before noon; display an uppercase P with any time between noon and 11:59 P.M.
a/p	Uses a 12-hour clock and displays a lowercase A with any time before noon; displays a lowercase P with any time between noon and 11:59 P.M.
AM/PM	Uses the 12-hour clock and displays the string AM as defined by the system with any time before noon; displays the string PM as defined by the system with any time between noon and 11:59 P.M. AMPM can be lowercase or uppercase, but the case of the displayed string matches the string that was defined in the system configuration. The default format is AM/PM. If the system is set to the 24-hour clock, the string is usually set to a zero-length string.

User-defined numeric formats

The following table identifies the characters you can use to create user-defined number formats.

Character	Description
None	Displays the unformatted number.
(0)	Digit placeholder. Displays either a digit or a zero. If the expression has a digit in the position where the 0 appears in the format string, it displays it; otherwise, it displays a zero in that position. If the number has fewer digits than zeros (on either side of the decimal point) in the format expression, displays leading or trailing zeros. If the number has more digits to the right of the decimal separator than zeros to the right of the decimal separator in the format expression, it rounds the number to as many decimal places as the number of zeros. If the number has more digits to the left of the decimal separator than zeros to the left of the decimal separator in the format expression, displays the additional digits unchanged.
(#)	Digit placeholder. Displays one digit or nothing. If the expression has a digit in the position where # appears in the format string, it displays it; otherwise, it displays nothing in that position. This symbol works like a 0-digit placeholder, except that leading and trailing zeros are not displayed if the number has the same digits or fewer digits as # characters on the side of the decimal separator in the format expression.
(.)	Decimal placeholder. In some regional configurations, a comma is used as a decimal separator. The decimal placeholder determines the number of digits that appear to the left and right of the decimal separator. If the format expression contains only number signs to the left of this symbol, numbers less than 1 begin with a decimal separator. To display a leading zero with fractional numbers, use 0 as the first digit placeholder to the left of the decimal separator. The carácter real utilizado como marcador de posición de decimal en el resultado con formato depende del formato de número reconocido por su sistema.

Character	Description
(%)	Percentage placeholder. Multiplies the expression by 100. The percent character (%) is inserted at the position where it appears in the format string.
($,$)	Thousands separator. In some locales, a full stop is used as a thousands separator. The thousands separator separates thousands from hundreds in a number that has four or more digits to the left of the decimal separator. The standard use of the thousands separator is specified if the format contains a thousands separator surrounded by digit placeholders (0 or #). Two adjacent thousands separators or a thousands separator immediately to the left of the decimal separator (regardless of whether a decimal is specified) means "scale the number by dividing by 1000, rounding as necessary". For example, you can use the format string "##0", to represent 100 million as 100. Numbers less than 1 million are shown as 0. Two adjacent thousands separators in any position other than immediately to the left of the decimal separator are simply considered to specify the use of a thousands separator. The actual character used as a thousands separator in the formatted result depends on the number format recognised by your system.
(:)	Date separator. In some regional settings, other characters may be used to represent the time separator. The time separator separates hours, minutes, and seconds when formatting time values. The actual character used as the time separator in the formatted result depends on the system configuration.
(/)	Date separator. In some regional settings, other characters may be used to represent the date separator. The date separator separates the day, month, and year when formatting date values. The actual character used as the date separator in the formatted result depends on the system configuration.
(E- E+ e- e+)	Scientific formatting. If the format expression contains at least one digit placeholder (0 or #) to the right of E-, E+, e- or e+, the number is displayed in scientific format and E or e is inserted between the number and its exponent. The number of digit placeholders to the right determines the number of digits in the exponent. Use E- or e- to place a minus sign next to negative exponents. Use E+ or e+ to place a plus sign next to positive exponents.

15. **Input files Output (I/O_Files)**

This functionality is added to the programme and consists of processing the in file to execute weighing automatically and exporting the out1p and out2p files when the corresponding weighing is carried out.

This functionality is only operative under PROFESSIONAL LICENSE.

You can activate the automation of these files in Configuration>>General >> Auto.

- Auto reading IN Files
- Auto create OUT Files 1P
- Auto create OUT Files 2P



Operation and processing of files

When the automatic reading of the IN file is activated, the path configured in the IN file is polled periodically (every 500ms). The path can be a shared folder on the network or it can be on the server if the PC has sufficient access credentials.

The IN file can be configured so that the different fields of the database can be written to the existing values left inside the IN file. If it is not possible to find a code or move the field, the field will be moved to the first record of the same table (generic record), if it could not be weighed (because the scale is empty for example) the file will be renamed by adding a "_E" at the end of its name.

The field added in the file configuration by means of the button  add id shall be written to field L5 (free 5) of the database. This field shall be part of the name structure of the OUT1P and OUT2P files.

The OUT1P file is created when the first weighing has been performed, as a condition for creating this file logically no pre-programmed tare must be used in the number plate table.

The OUT2P file is created when the second weighing has been performed.

FILE IN

File name structure IN

Vehi_Basc_N.csv

File structure IN

header_1; header_2; header_3; header_4; header_n;

data1 ; data2; data3, data4; data_n;

The fields of the file must be logical, as it is a first weighing, we must take the data from the different tables that we need as if we were choosing them for the first weighing (we must not take data from tables of in transit, second weighing, vehicle access).

FILE OUT1P and FILE OUT2P

Filename structure of the OUT1P file

Licence_L5_L5_MBascula_M.csv

File naming structure of the OUT2P file

License_L5_L5_N_Bascula_N.csv

Licence plate: data to be set in the vehicle's licence plate.

L5: data contained in the free field 5, it is recommended for this type of applications to set the field L5 as not visible so that it cannot be manipulated manually in the weighing process.

Scale: The scale number in BPWin+, where 1 is the first scale.

M: Letter "M".

N: Letter "N".

The field separator in the nomenclature is the character "_" HEX(5F) DEC(95)

OUT 1P and OUT2P File Structure

header_1; header_2; header_3; header_4; header_n;

data1 ; data2; data3, data4; data_n;

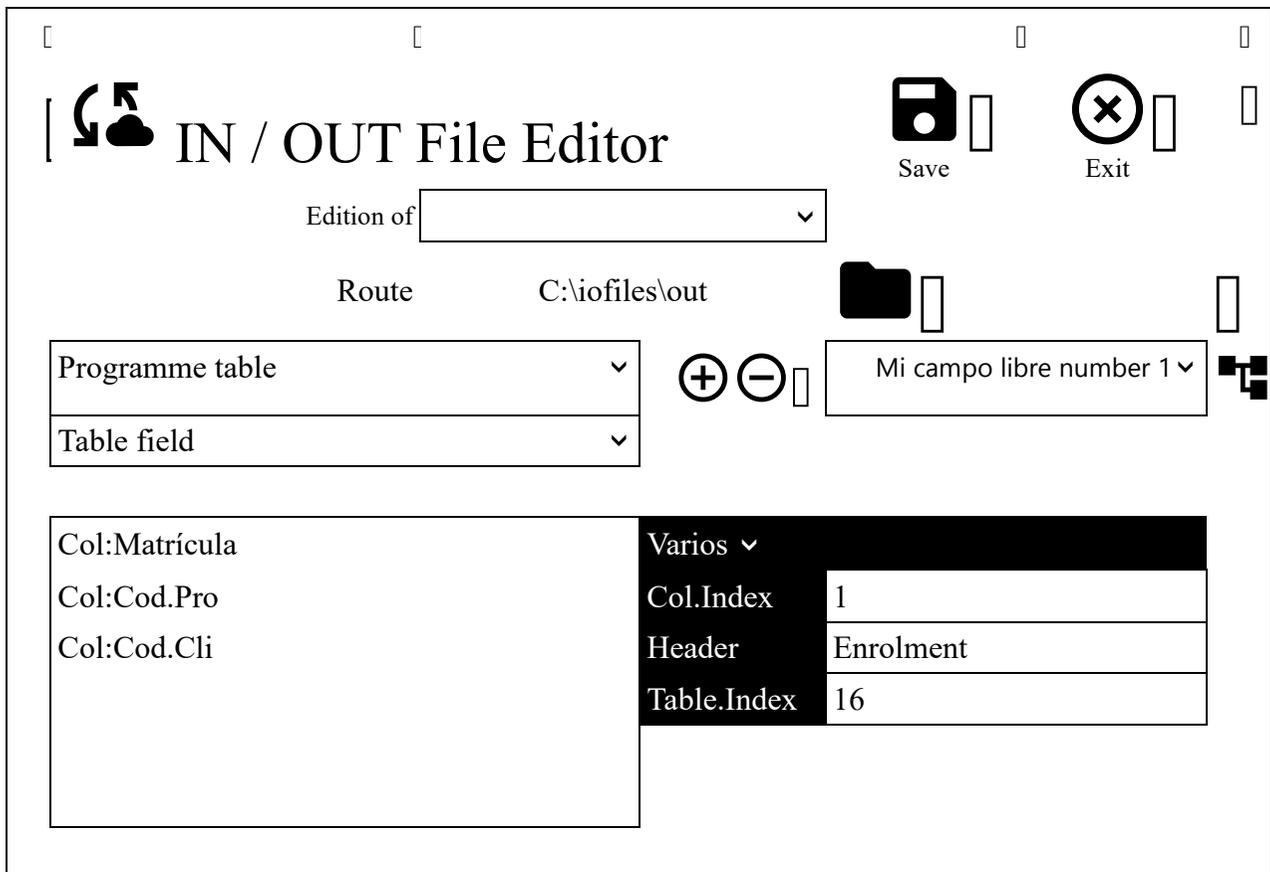
The fields in the file must be logical. As this is a first weighing, we must take the data from the different tables that we need as if we were choosing them for the first weighing. (We must not take data from tables such as "in transit", "second weighing" or "vehicle access" in the OUT1P files).

We strongly recommend that for OUT2P files only fields from the second weighing table are used (although fields from other tables can be used if necessary).

 **File configuration form.**

The form is accessed via the Side Menu  Configuration /  IN-OUT FILE editor

The form looks as follows.



1. The type of edition is chosen by means of the comboBox Edition of..
2. The input/output folder of Ruta must be chosen, for this purpose we will use the button 
3. Choose the table and field you want to add and click on , in case of files in there is also the possibility to add any free field by using the button  we can also define in which column the vehicle registration number is located.
4. The name of the header is changed to the user's liking.
5. Repeat steps 3 and 4 as many times as necessary. If you do not want any more columns in your file, click on the button .

Other options.

You must use the button  to delete an unwanted column.

To exit the form we must use the button . Caution: if you do not press  on the changes made have no effect.



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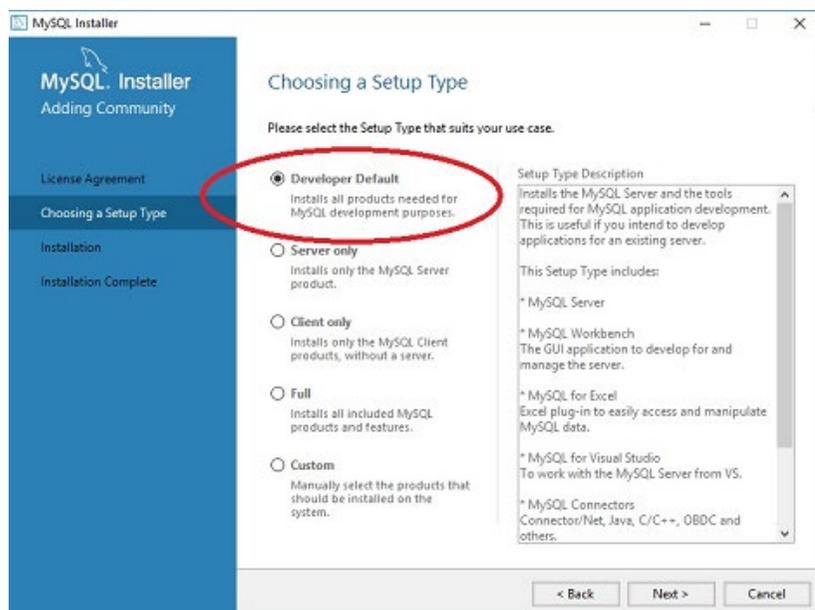
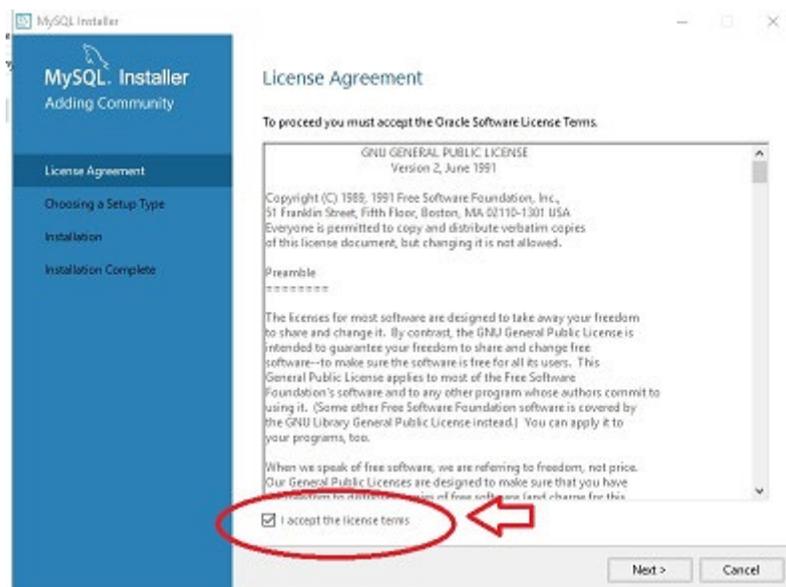
0. BPWIN_PLUS INSTALLATION

**The complete installation contains three folders with installation packages:
Folders:**

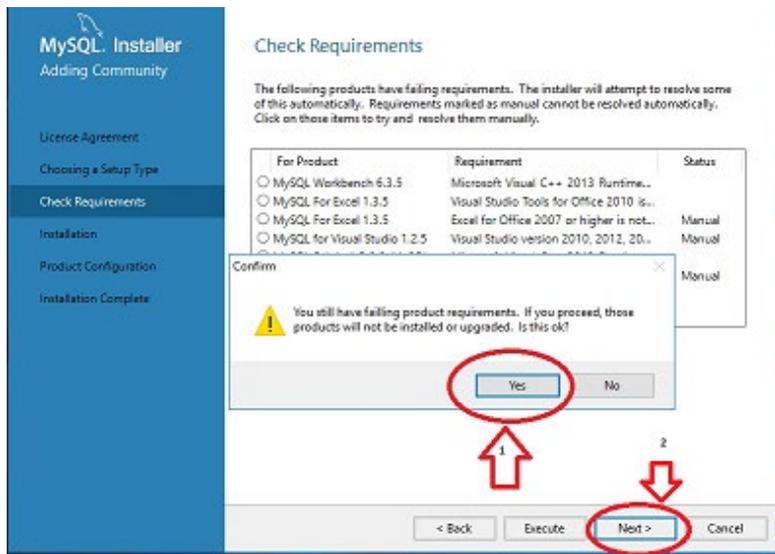
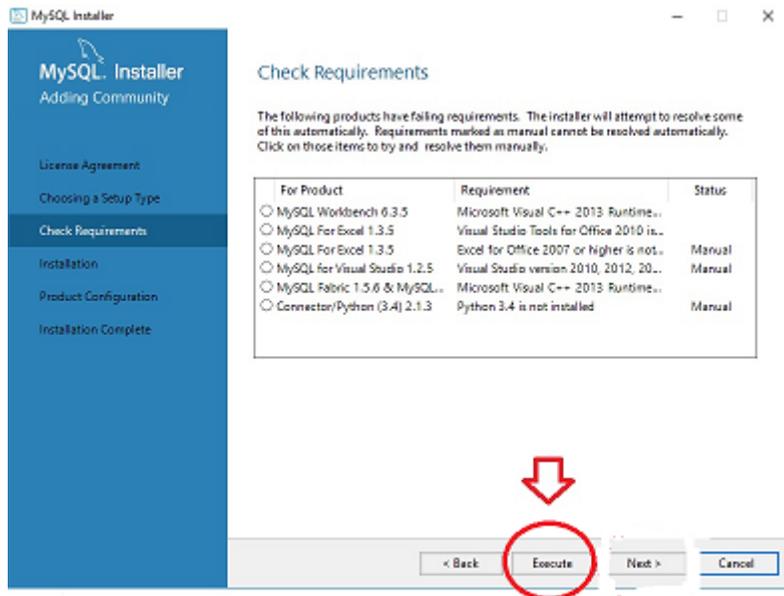
- mySql_worbench
- InstallBpWinPlus_V X.X
- DriversNeuralLabs_Vpar

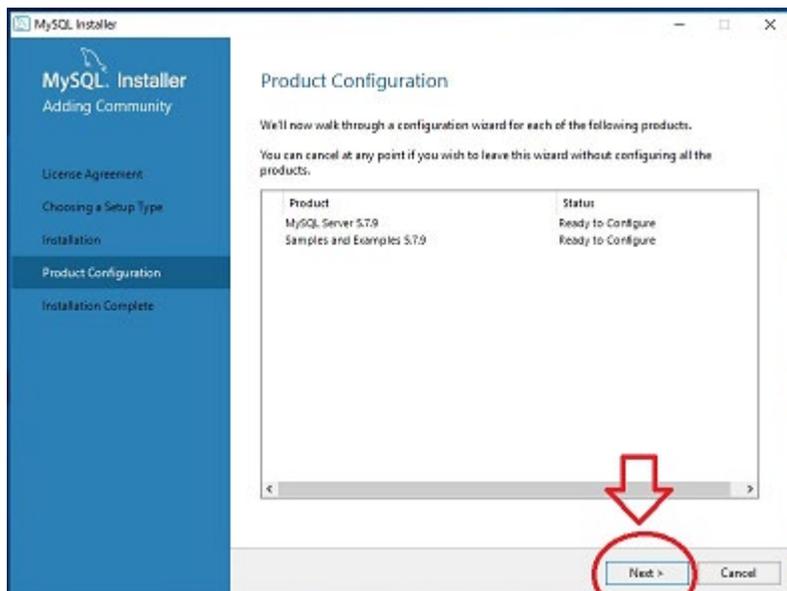
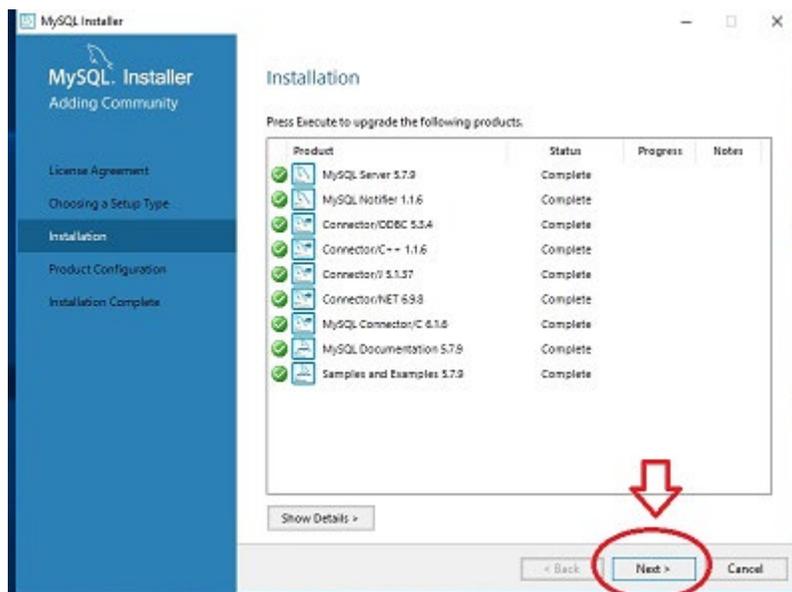
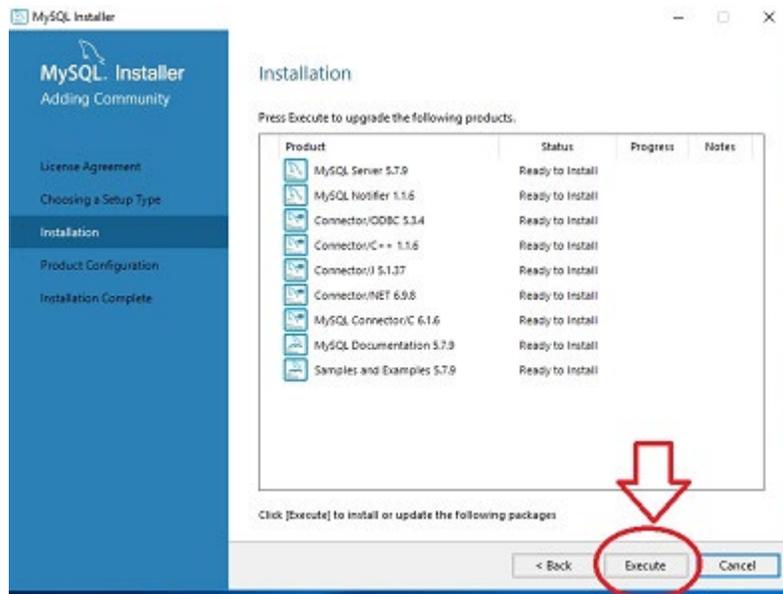
1. INSTALL MYSQL DATABASE

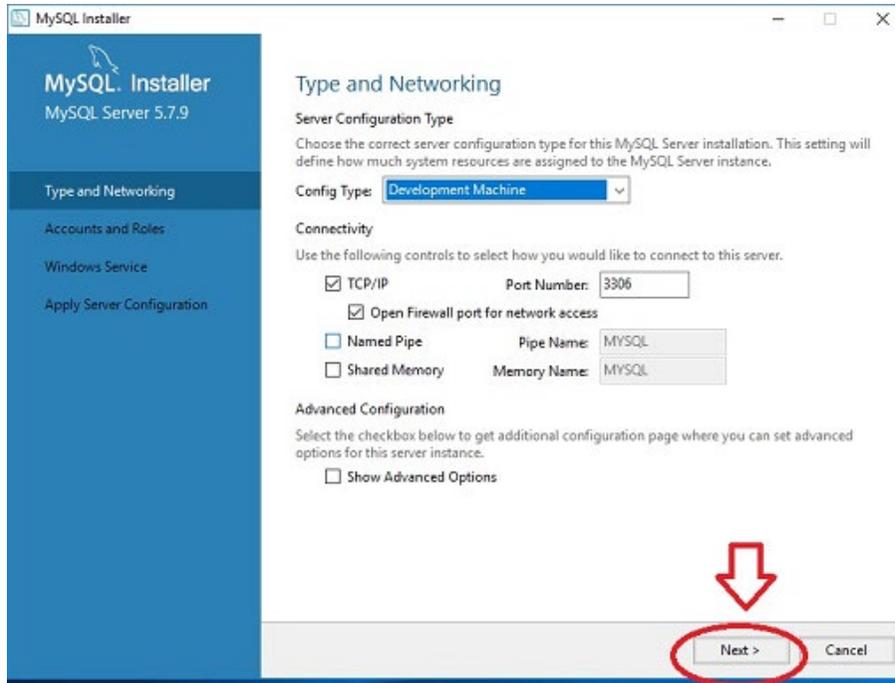
**Go to mySql_worbench folder and run installation mysql-installer-community-5.7.9.1.msi
Follow the installation steps.**



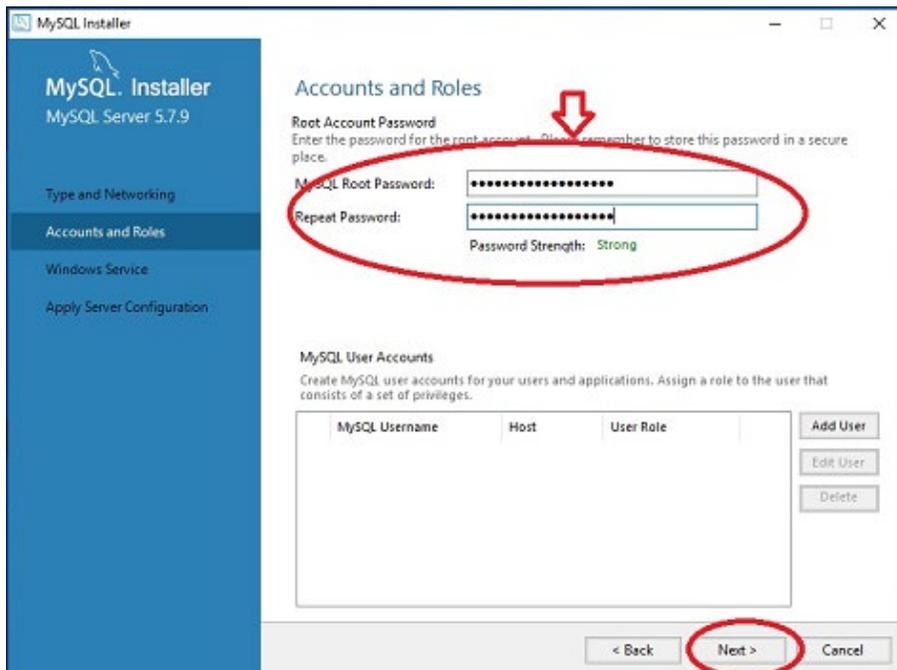
When you reach the Check Requirements screen, press the run button to install the necessary requirements.

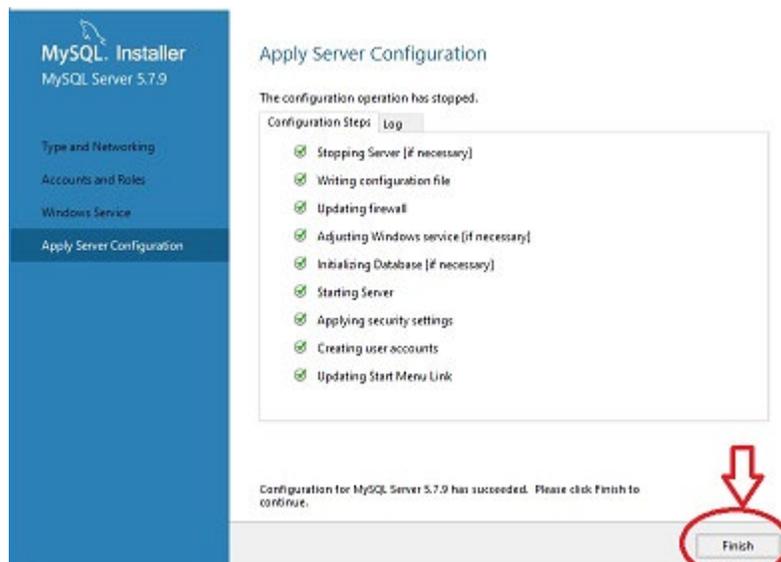
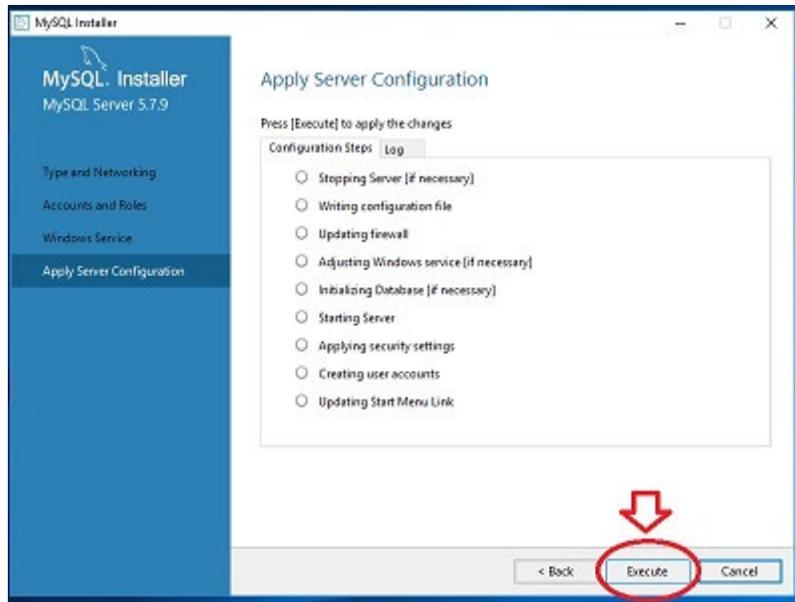
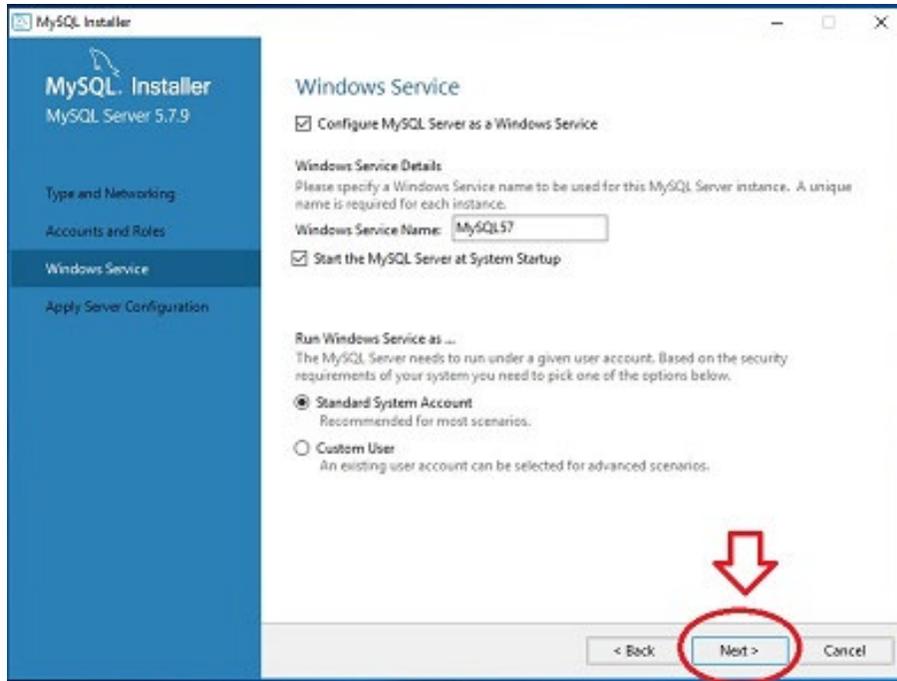


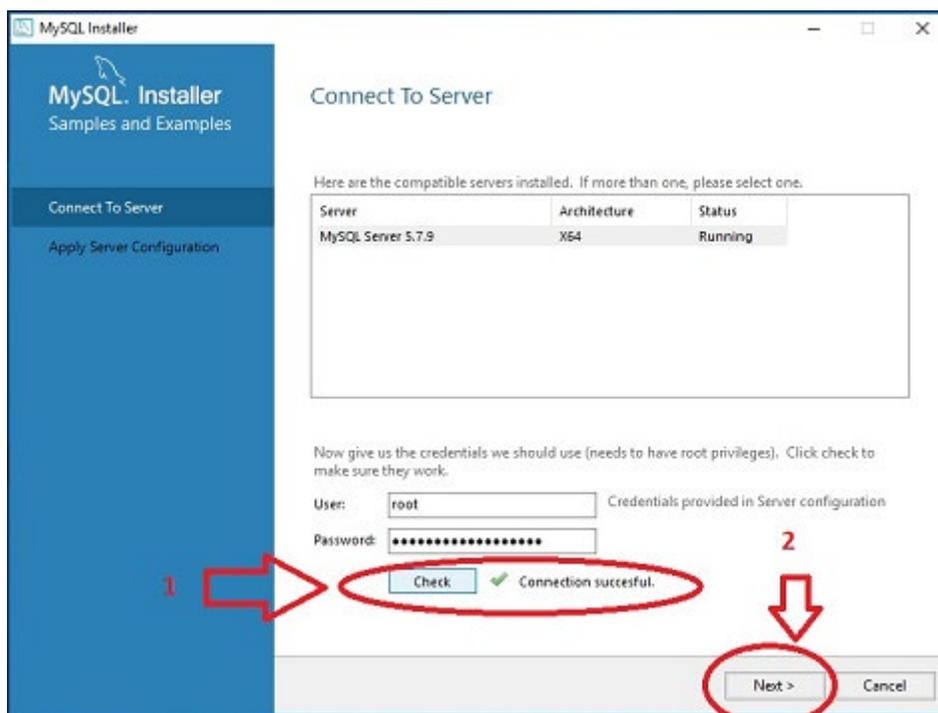
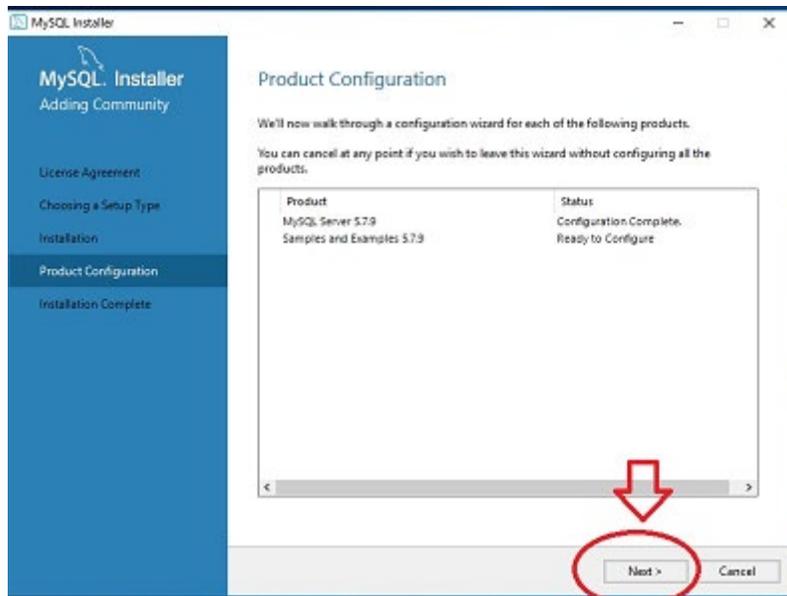


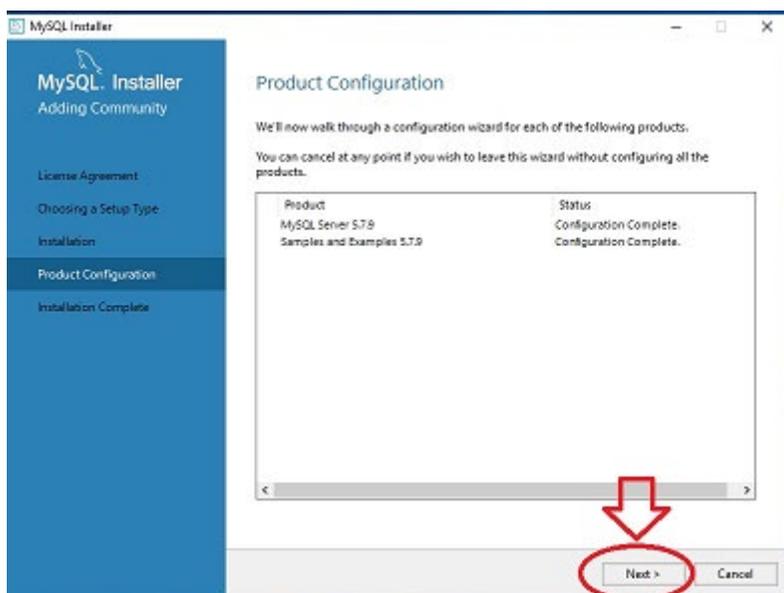
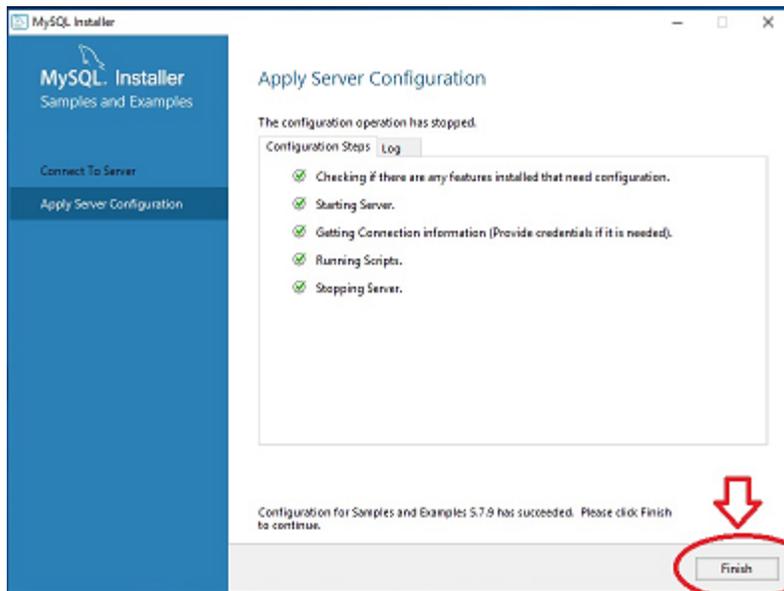
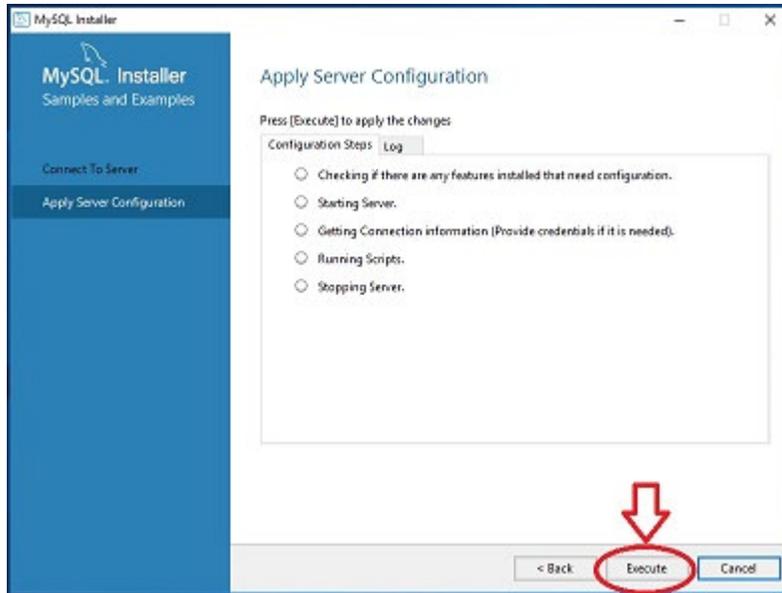


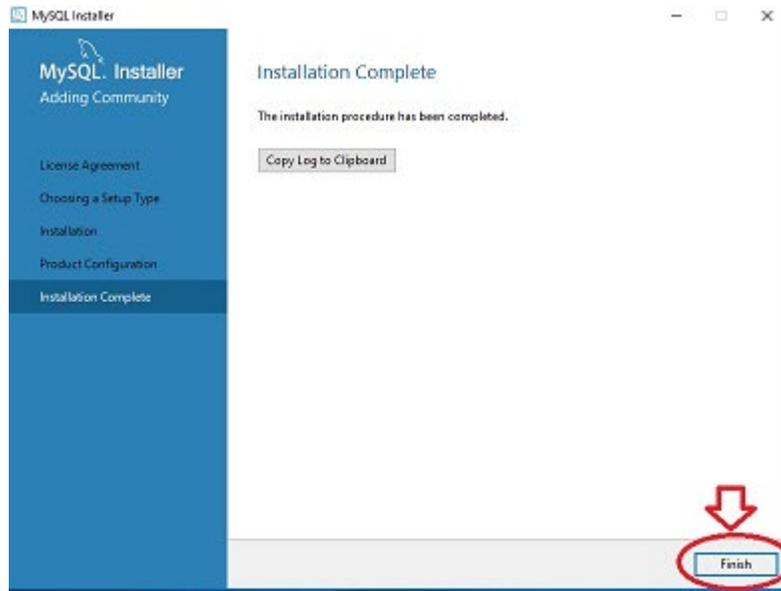
In Mysql Root Password type EPELSA in capital letters.











2. INSTALAR BPWIN_PLUS

Go to the InstallBpWinPlus_V X.X folder.
Run Setup.exe
Follow the installation steps.

3. NEURAL LABS DRIVER INSTALLATION

(Only if number plates are to be read automatically by cameras)

Install Neural Labs Drivers if you are going to use number plate reading cameras.
If yes, go to the DriversNeuralLabs_Vpar folder.
and run VPAR_WIN_7.22.0.0.exe

We continue with the installation:

4. CREATION OF STRUCTURE

Once the packages are installed, run BpwinPlus (There is a shortcut on the desktop).
It will detect that there is no database and will ask if you want to create it for the first time.
We say yes and the database structure will be created.

Once the structure is created, it will ask for Username and Password.



User= EPELSA

Password= 762

DEMO Mode

From this point we can activate the DEMO mode.

(From Side Menu /  **Help** /  **Demo Mode**) to test functionalities or go to the License activation form.

If we activate the DEMO mode it allows us to create Nodes and connect scales, but it randomly varies the displayed scale weight allowing us to test functionalities, but modifying the real weight values.

5. LICENCE ACTIVATION

From the Side Menu go to **Help** / **Activate License**
A form will appear to enter the data and enter the activation key.

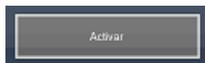
Internet connection required during activation.

We fill in the fields:

Company, Nif ,City, Country, Email

Enter the licence number provided for activation in the **Installation key** box.

Click on the Activate button.



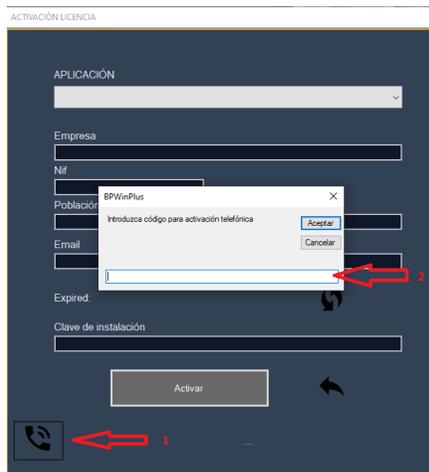
We wait a few seconds and it will show us:
License Activated

Then restart programme

Closes the form and returns us to the main form.

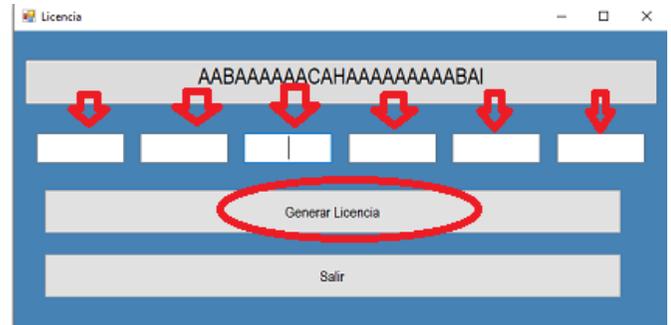
If you do not have internet access, you must make a phone call to obtain a temporary code to display a telephone activation form and a telephone licence (valid during the day).

When we have this code we click on the button and enter the code



The telephone activation form will appear, enter the telephone licence number supplied by the manufacturer in the boxes and click the button.

Generate Licence.



6. LICENCE TYPES

- **Unlicensed.**(Administration) (0)
 - Allows connection to a database for data entry or visualisation of weighing operations.
- **Slave** (1)
 - This licence allows us to connect to another workstation with a basic licence or higher. You can carry out weighing operations from this workstation as a slave.
- **Basic** (2)
 - Allows connection to multiple scales.
 - Access to data entry.
 - Automatic weighing or operator weighing from the computer screen.
 - Weighing history records.
 - Listings.
- **Visiocam (Panoramic)** (3)
 - Allows all the functionalities of the basic licence.
 - Adds connection with up to two cameras per scale for the general view of the scale or to take photos of the loading of the trucks. It also allows to automate the photography when weighing.
- **Professional** (4)
 - Allows all the functionalities of the Basic license + Visiocam.
 - Adds automatic number plate reading by means of number plate recognition with camera.
 - Includes the License for number plate reading.
- **Professional + Access Control** (5)
 - Allows all the functionalities of the Professional licence.
 - Adds vehicle entry and exit control management to the company by reading number plates or cards. Allows the connection of Eth plates for opening doors, traffic lights, etc...

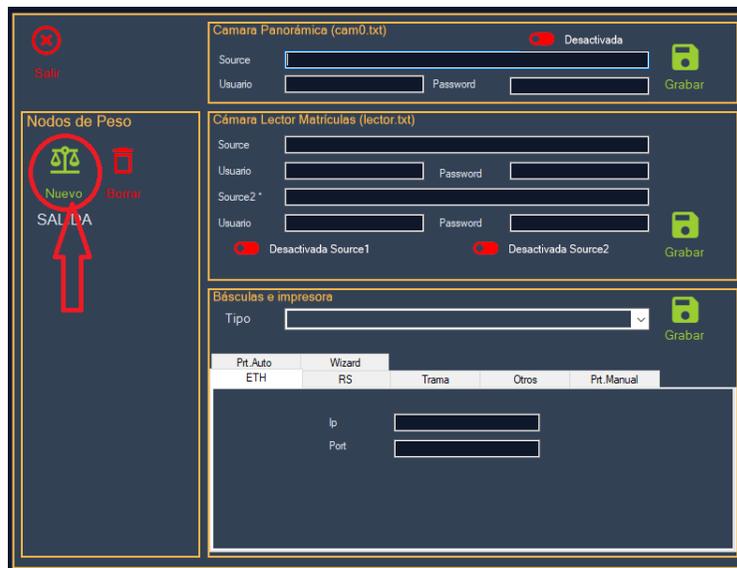
7. CREATION OF NODES

We call node to the configuration of all the equipment associated to a scale, the program allows multiple nodes, the allowed configurations are:

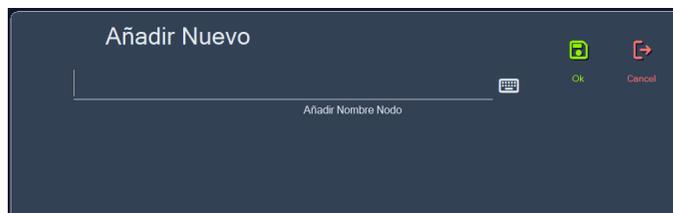
- Configuration of communications with the scale display.
- Configuration of the printer that will issue the tickets, making it possible to differentiate between the printouts made in automatic mode and those made manually by the operator from the work form.
- Configuration of the cameras for panoramic vision and/or photo capture (depending on the type of licence).
- Camera configuration for number plate reading (depending on the type of licence).

Let's create the first node:

- Click on the sidebar menu  **Configuration** /  **Scale**
- We configure the name identifier of the Node or Scale..

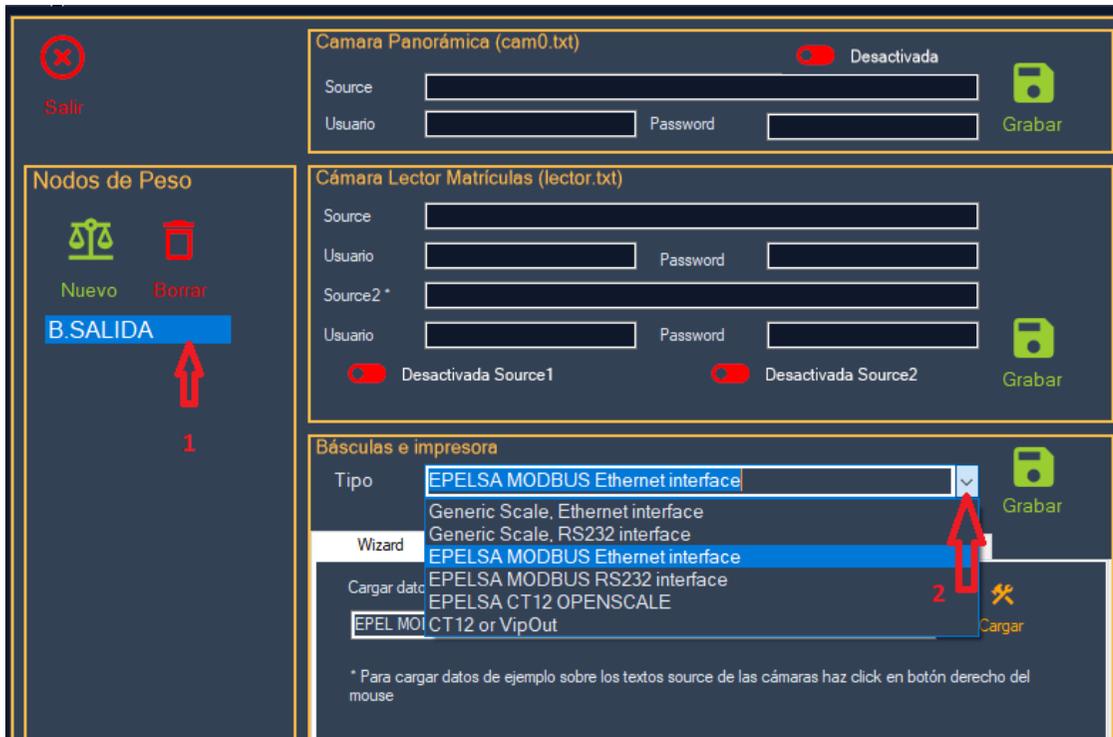


Click on the button  **New** and write the name of the node and  save

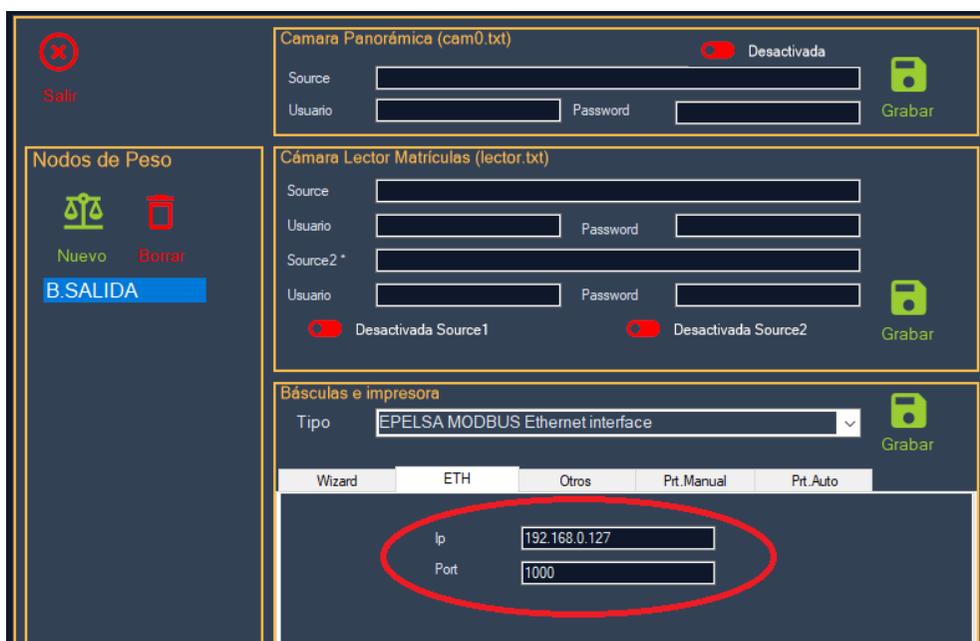


The name of the node will appear on the left side of the form. Select it by clicking on it and configure the node's data in the panel on the right.
Next, we choose the type of communication of the scale display associated with the node.

In this example, we will connect an ENI device via ModBus Ethernet.



In the Wizard tab, an  UPGRADE button will appear. If we click on it, it will load example parameters that we can then replace with the correct values. In the Ethernet tab we will place the Ip and Port of the weight indicator.



In the Other tab :

Communication timeout (Default value 500 ms)

Sleep (Default value 250 ms)



Approved memory.

Activate if working with approved memory



Product waiting.

In the case of an ENI it indicates whether the indicator will ask for the product code on the screen.

Maximum Weight (kg) Defines the maximum weight of the scale.

Weight Min (Kg) Defines the minimum weight that we consider zero.



Requires external selection,

Activate when working with devices that require data selection before weighing, such as touchscreen poles or Android devices.

Relay Board and Relay

Allows you to select the relay board with which this scale will work and the relay that will activate the traffic light or barrier.

Rele Mode

ON min.W **OFF** recording W..

It is activated when the minimum weight is exceeded and deactivated when the weight is registered.

ON recording W.

It is activated when the weight is registered.

Unlock Scale

Allows equipment to be unlocked when working with loops.

Lock Scale

Allows locking of equipment when working with loops.



Plat 1.

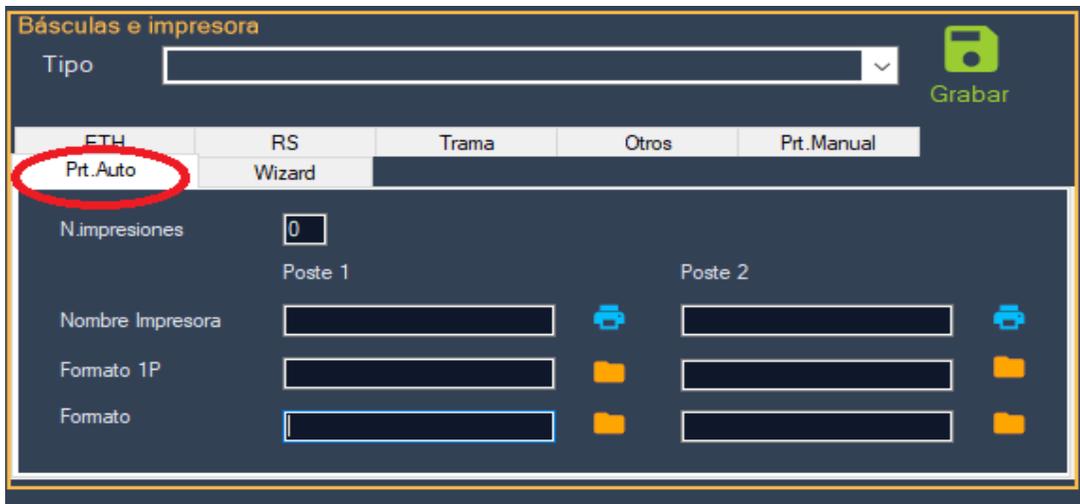
Allows you to select which platform (of the two internal Orion or ENI viewer platforms) you are working with. It works only with the OD BUS protocol and is associated with the weight platform we are working with..



In the tab Prn.Auto:

This tab contains the print settings in automatic mode, allowing to differentiate by post in case of 2 posts.

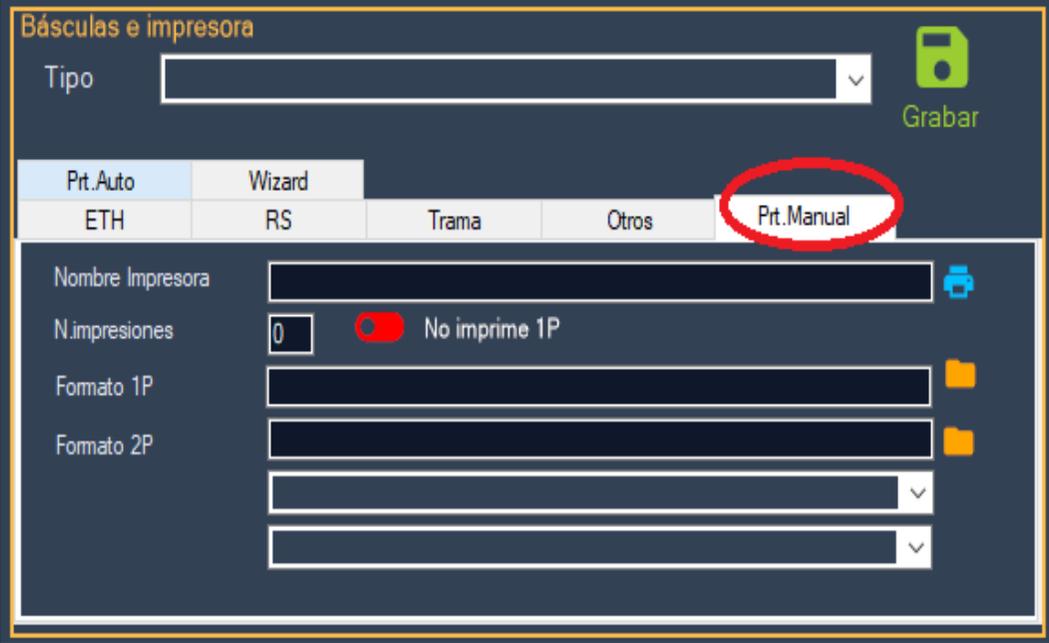
- **Printer Name:** Type "ENI" if the printout is to be made via the ENI viewer printer. Otherwise, select the desired printer from the drop-down menu.
- **-No. Impressions:** Indicate the number of copies to be printed (example: 1 equals one ticket).
- **Format:** In the template_print folder, select a template for ENI if printing will be done with the ENI printer (e.g. ENI_Template_1_SPANISH_1.txt). Otherwise, choose a generic template (e.g. GenericTicketTemplate_1_SPANISH.txt).



Format 1P: Here we choose the ticket format of the first weighing, if used.

Manual Prt. tab:

Configuration of the printout when the operator performs the weighing from the PC form.



Básculas e impresora

Tipo  Grabar

Prt.Auto	Wizard				Prt.Manual
ETH	RS	Trama	Otros		

Nombre Impresora

N. impresiones No imprime 1P

Formato 1P

Formato 2P

In case you want the ticket to be printed through the ENI viewer:

- **Printer Name:** Write "ENI" if the printout will be made using the ENI viewer printer.
- **No. Prints:** Indicate the number of copies to be printed (1 equals one ticket).
- **No Print 1P:** Select whether or not to print the ticket of the first weighing.
- **Format:** Select an ENI template in Format.
- **Launch by the established printer.**
- **Print directly.**

In case you want the ticket to be printed by one of the printers of the Windows operating system:

- **Printer Name:** Choose the printer using the search button.
- **No. Prints:** Indicate the number of copies to print (1 = one ticket).
- **Format 1P:** If the ticket is printed on the first weighing, choose a format.
- **Format 2P:** Select a template (e.g. GenericTicketTemplate_1_SPANISH.txt).

Select an option:

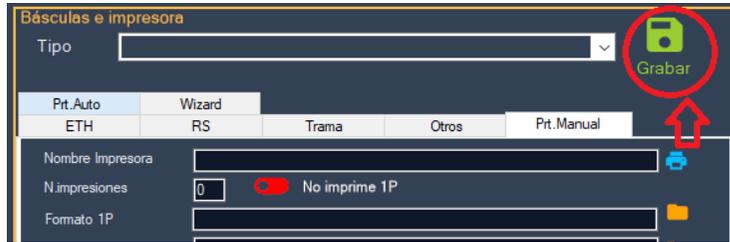
- Launch by the established printer.
- Allow to choose the printer before each print.

Select an option:

- Print directly.
- Allow to view the pre-print before printing.

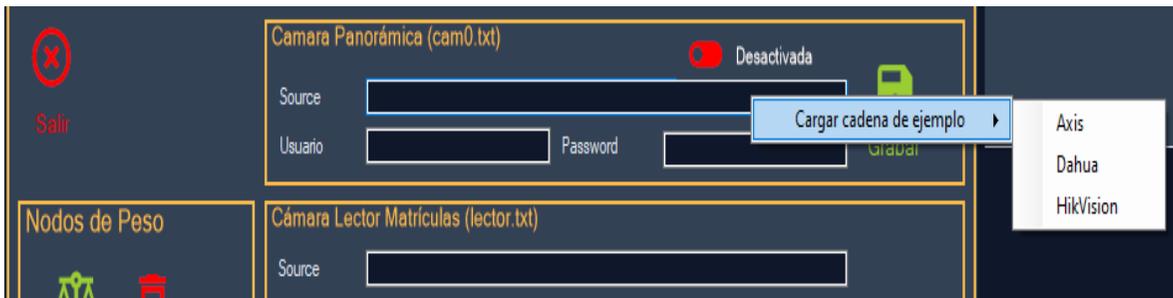
Save the data:

To save the scale and printer data, press :



Visiocam camera (if we have a Professional licence or higher)

Right-click on the Source field to load an example configuration string of the chosen camera type.



Replace the ip of the example string with the real ip of our camera, enter the User and Password of the camera and click on the Save button.



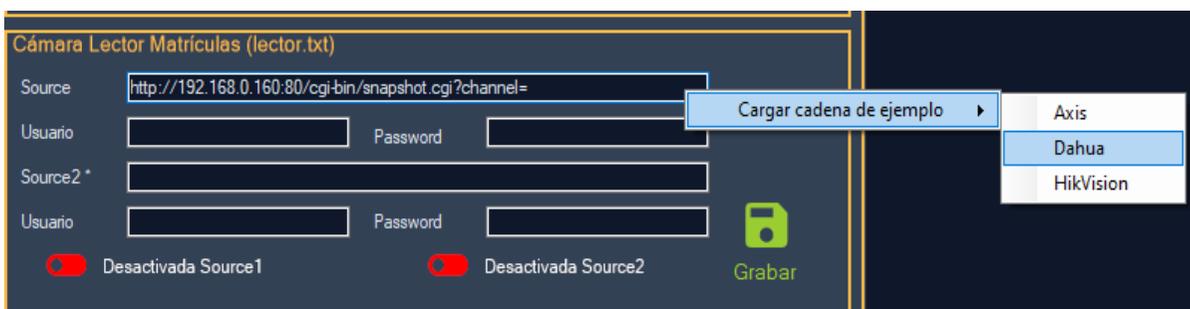
If we use any other camera, we can always configure it if we know its datasource (consult the manufacturer).



Deactivate/Activate. Enables or disables the use of this camera.

License Plate Camera (if we have a Professional licence or higher)

It is the same procedure as in the Visiocam section.



Replace the ip of the example string with the real ip of our camera, enter User and Password of the camera and click on the Save button.

-  **Disable/Enable Source 1.** Enables or disables the use of camera 1
-  **Disable/Enable Source 2.** Enables or disables the use of the camera 2.

8. GENERAL CONFIGURATION

We will access the configuration form from the main screen in the **Menú lateral** /  **Configuration** .

This form allows us to configure some aspects of the programme's operation. Depending on what is programmed in the different fields, the programme acts in one way or another, so special emphasis must be placed on checking that the programming coincides with how we want the programme to react to different events.

The button  accepts all changes made on any sheet and closes the form. The changes are saved in the "settings.txt" file and are permanent.

The button  cancels all changes made to any sheet and closes the form.

The configuration has been separated depending on its nature into different TAB sheets, each TAB sheet is described in detail below.

Campos Datos	General	Impresora	Acceso	Idiomas	Auto	Style	Modo Guiado	Auto File Export

8.1 TAB DATA FIELDS

This section refers to the data fields associated with the weighing and the weigh-in-transit item, as well as to the free write fields in assisted weighing.

Data fields					En pesaje asistido																				
Campo	Visible	Editado desde perfil	Inicial	V1P	Nombre del campo libre	Obligatorio	Visible																		
Usuario				<input type="checkbox"/>	<input type="checkbox"/> Requerir cálculo de densidad																				
Empresa	<input type="checkbox"/>	Perfil edición selec.	<input type="radio"/>	<input type="checkbox"/>																					
T.pesada	<input type="checkbox"/>	Perfil edición selec.	<input type="radio"/>	<input type="checkbox"/>																					
Cli/Prov	<input checked="" type="checkbox"/>	Perfil edición selec.	<input type="radio"/>	<input type="checkbox"/>																					
Producto	<input checked="" type="checkbox"/>	Perfil edición selec.	<input checked="" type="radio"/>	<input type="checkbox"/>																					
Transportista	<input type="checkbox"/>	Perfil edición selec.	<input type="radio"/>	<input type="checkbox"/>																					
Conductor	<input type="checkbox"/>	Perfil edición selec.	<input type="radio"/>	<input type="checkbox"/>																					
Origen	<input type="checkbox"/>	Perfil edición selec.	<input type="radio"/>	<input type="checkbox"/>																					
Destino	<input type="checkbox"/>	Perfil edición selec.	<input type="radio"/>	<input type="checkbox"/>																					
Libre	<input type="checkbox"/>	Perfil edición selec.	<input type="radio"/>	<input type="checkbox"/>																					
Matriculas		Perfil edición selec.	<input type="radio"/>	<input type="checkbox"/>																					
Remolques	<input type="checkbox"/>	Perfil edición selec.	<input type="radio"/>	<input type="checkbox"/>																					
Contenedores	<input type="checkbox"/>	Perfil edición selec.	<input type="radio"/>	<input type="checkbox"/>																					
Filtro		Solo programador		<input type="checkbox"/>	<input type="checkbox"/> Establecer inserción cambiando el valor de Id																				
					<table border="1"> <thead> <tr> <th>Nombre del campo libre</th> <th>Obligatorio</th> <th>Visible</th> </tr> </thead> <tbody> <tr> <td>Hoja de Seguimiento</td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Mi campo numero 2</td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Este campo es invisible</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Notas 3</td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>No visible ni usado</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </tbody> </table>			Nombre del campo libre	Obligatorio	Visible	Hoja de Seguimiento	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Mi campo numero 2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Este campo es invisible	<input type="checkbox"/>	<input type="checkbox"/>	Notas 3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No visible ni usado	<input type="checkbox"/>	<input type="checkbox"/>
Nombre del campo libre	Obligatorio	Visible																							
Hoja de Seguimiento	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>																							
Mi campo numero 2	<input type="checkbox"/>	<input checked="" type="checkbox"/>																							
Este campo es invisible	<input type="checkbox"/>	<input type="checkbox"/>																							
Notas 3	<input type="checkbox"/>	<input checked="" type="checkbox"/>																							
No visible ni usado	<input type="checkbox"/>	<input type="checkbox"/>																							

Data fields

Field : Name of the data field. Refers to the data fields that you can or want to edit from the programme.

Visible:

- The field will be visible both in weighing for selection and in data editing in case the user has permission to edit.
- The field will not be visible in weighing or editing regardless of the selected profile.

NOTE: The fact that a data field is not visible does not mean that it is not saved with its default value in the weighing history database.

Editado from profile: The field will be visible in Data editing if you have at least the user profile selected.

Perfil edición ▼

- Usuario
- Listador
- Editor
- Administrador
- Programador

Initial: At its value ● when opening the heavy form, this field appears as the initial selected field, in its value ○ auto field selection is not performed when loading the weighing form. Only one initial field can be selected ● logically, there cannot be two firsts.

V1P:

- The field is added in HeavyItem (code and name). This field is visible from the main screen
- The field with this value does not appear in HeavyItem.

NOTE : It is recommended to use only the essential fields or none at all in order to have as many trucks as possible visible on the main screen.

Density calculation required:

- Density calculation is performed in the weighing form. FUTURE VERSIONS
- No density calculation is performed. Default value. FUTURE VERSIONS

NOTE : No value is applicable, future versions will calculate the density according to the container's m3.

Free fields

Free fields are defined as freely writable fields in aided weighing. These are fields that are filled in during weighing, e.g. tracking sheet, etc. They are treated in the same way as the Notes field.

Free Field Name: In these text boxes you set the text that will appear in the weighing form above the free field box. Literal0..4 for printing in ticket format.

Obligatory:

- It does not allow weighing unless the box corresponding to the free field has a text value.
- The value of the text box will not be taken into account, even if it is empty. Default value.

Visible

- Show the text box and the descriptive in the weighing form..
- The text box and the descriptive are hidden in the form. Their space is divided between the boxes that are visible.

NOTE : Mandatory and visible envelope, the mandatory fields must be visible, otherwise it is not possible to weigh unassisted due to the impossibility to fill in a non-visible field..

Set the insertion by changing the value of id

In its value in the import of the weighing history file ignores the record id and inserts it as a new record.

In its value the import of the weighing history file overwrites the id of the record if it already exists or creates a new one if it does not exist..

Important note. Weighing record import operations are not reversible, you must be especially careful when performing them and check that the import configuration parameters are as desired.

It is recommended to make a backup before performing any import.

THE RESPONSIBILITY FOR THE LOSS OF DATA IN THIS OPERATION LIES SOLELY WITH THE USER WHO PERFORMS IT.

8.2 TAB GENERAL

This section refers to the behaviour of the programme's mode of operation in specific situations.

All companies share the same ticket number.

In its value the ticket number assigned to each weighing is common, regardless of the company selected at the time of weighing. The programme automatically assigns the next ticket number from its counter section and puts the counter of all the companies in common.

In its value each company has its own counter and each weighing is assigned the next available number. In this case it may happen that we have weighings from different companies with the same ticket number.

Allow unassisted weighing 1P

In its value the first automatic weighing (camera, RFID card, scanner or pullfile) is allowed if the number plate is registered in the database.

At its value it is not allowed to perform the first weighing automatically.

Allow unassisted weighing 2P

In its value second weighing is allowed automatically (camera, RFID card, scanner or pullfile) if the number plate is registered in the recorded number plates or if the first weighing has already been carried out.

In its value the second weighing is not allowed to be performed automatically.

Launching unauthorised number plates in the UI.

BPWin+ does not allow unauthorised licence plates to be weighed unassisted. For a licence plate to be authorised, it must be registered in the system. This field allows to display unauthorised number plates read by cameras or pullfile in the user interface.

In its value the unauthorised read number plate is released as if it had been keyed in for weighing through user interaction. The launching of this number plate only occurs on the PC with MASTER licence or higher, not on the slaves.

In its value no action is taken, so the licence plate will not be weighed automatically and is output **WITHOUT WEIGHING**.

date1 is always Tara

In its value date1 of the weighing history record always corresponds to the date on which the lowest weight value was weighed, date2 of the record always corresponds to the date of the highest weight value recorded.

In its value records date1 at its lowest time value and date2 at its highest time value.

Tare is the lowest value/Tare is always 1P. Allows us to choose whether we want the tare to always be the lowest value or if Tare is always 1P.

Type of weighing Customer/Supplier Normal / Type of weighing Customer/Supplier always visible.

If we select Normal weighing type, the type will be automatically selected from what is programmed in the Customer/Vendor tab.

If we select Type of weighing Client/Prov. a combo will appear always visible to be able to change if we are interested in the type Client/Prov. when carrying out the weighing.

Chat

<input checked="" type="checkbox"/> Habilitar Chat	Port	8050
Ip Servidor	127.0.0.1	

Enable the chat service. We will enable this service only if we have slaves in the same network. The Android BpWinTerminal are considered slaves for all purposes.

The programmed port must be free of firewalls or with permissions for communication between devices.

In server ip we will put the ip of the Master PC.

In this type of installation where there is a Master and n Slaves, we only need a fixed IP in the MASTER.

Enables the chat service in its negative value if no Slave or Android BPWinTerminal equipment is available.

Panoramic Camera

Refresh time	500
<input checked="" type="checkbox"/> Take photo automatically	
Photo Route	C:\fotos

Refresh time sets the time in milliseconds that snapshots are taken in the camera defined as panoramic.

In the value of snapshot automatically saves this snapshot in the destination Photo Path folder as license_ntkt.jpeg.

Camera License Plate Reader

Percentage of valid reading

85
20

Minimum character height

In order for a camera-read number plate to be considered valid, the reading percentage must be greater than the set value and the height of the character read must be greater than the set value. If this does not occur, the number plate reading is rejected.

Activate logs

Activate the test function at its value where it writes us text files with the date format of everything that passes through the program routines.

This is especially useful for locating faults or processes that have not executed correctly.

Activate VPAR logs (Technical Service)

Activate the number plate recognition test function in its value where it will create an analysis file for character heights and percentages. Once the appropriate percentages have been programmed, this option must be set back to its value for the correct performance of the program.

8.3 ENTERPRISE TAB

Alternative Printer	
Printer Name:	<input style="width: 80%;" type="text" value="MiNombreImpresora"/> 🔍
Format	<input style="width: 80%;" type="text" value="MiRutaFormatoImpresion"/> 🔍
<input checked="" type="checkbox"/> Reprint all tickets on this alternative printer. <input checked="" type="checkbox"/> Save ticket as PDF	
Printer Unmemorised	
Printer Name:	<input style="width: 80%;" type="text" value="MiNombreImpresora"/> 🔍
Format	<input style="width: 80%;" type="text" value="MiRutaFormatoImpresion"/> 🔍

In this Tab we configure the alternative (weighing history) printer. . Pulsing over  no dialogue box opens so that we can choose the name of the printer from those installed on the system. We can also search for a ticket format for the alternative printer. .

Reprint all tkt by this alternative printer.

In its state, it automatically reprints the scale tickets in the format and on the selected alternative printer.

NOTE : If reprinting is chosen it will be printed automatically without being displayed on the screen, as this option is intended for unattended operation.

Save tkt as PDF

In its state creates a PDF of the scale tickets in the format and for the chosen alternative printer automatically. They are saved in the folder TiquetPDF.

NOTE : The file name is the ticket number.

In the same way we can configure the format and the printer of the weighing WITHOUT MEMORISING.

8.4 TAB Access

Activate access control

Activates the access control function at its value. This check only serves to temporarily deactivate the access control, since, even if it is set to a positive value, it does not work if we do not have a licence.

8.5 TAB Languages

This Tab allows us to change the language of the programme to the one we select.

Select language

Castellano	▼
Castellano	
Catalán	
Inglés	
Francés	
Holandes	
Etc	

If you need any additional language, please contact Epelsa Group.

8.6 TAB Auto

This tab allows the configuration of different aspects that have process automation in common.

Auto Emailing

email	micorreo@gmail.com		
Password	asdfasdf1234		
Host	mihost		
Port	8054	<input type="checkbox"/> SSL	
Send an email to	<input type="checkbox"/> Customer	<input type="checkbox"/> Carrier	<input type="checkbox"/> Driver

If we configure our email data correctly, when we weigh, the program automatically sends an email to the fields that we have marked with the value , this email is sent attaching a copy of the ticket.

Note: For the email to be sent, it is necessary that the "email" field of the corresponding customer, transporter or driver cards is filled in with a valid email address. If the "email" field is empty, the email will not be sent.

Free fields

Set Name			
Save free field			
Positions to be saved	Product code ▼	Product Name ▼	
Compare against	Product code in history.		▼

Set the desired name for the free field and press  to change in the database. The field "Save free field" must be empty, if it is not, the fields destined to "free field" in the weighing history will be filled with the values of the weighing that we have selected in "positions to save". In the weighing history form there is a "compare" button, which allows you to filter the fields that have been modified in comparison with the "Compare against" field. (Security functionality requested by a client).

Convert read hexadecimal values to decimal values.

At its value all cards read by the program will be converted to decimal value. In addition, a prefix "00" is always added to cards external to ENI systems.

FAREWELL MESSAGE

FAREWELL MESSAGE

Message dismissed



In ENI systems, a message is sent to the indicator when the weighing is saved. The output message is set in this field. If the value is left blank, the program sends the DESTINATION text that is selected.

IN OUT FILES

- Self-reading. IN files Allow unmemorised number plates
- Create Auto. OUT1P files
- Create Auto. OUT2P files

*See operation in document IO FILES.

Auto reading. IN files

Enables/Disables the option to read the IN file.

Create Auto. OUT1P files

Enables/Disables the write option of the OUT1P file.

Create Auto. OUT2P files

Enables/Disables the write option of the OUT2P file.

Enable non-stored number plates

In its value , automatic weighing is allowed (camera, pullfile, infile) even if the number plate is not in stored number plates. This option overrides the launching of non-stored number plates to the UI (User Interface), as no user intervention is required for weighing. The default data for automatic weighing will be obtained from the first record of pre-recorded number plates. It is important to create the first record with the default data that we want to be recorded.

In its value the program will manage the unrecorded number plate in its usual way.

Automatic weight range	1000
Weight cycles Automatic	7
Auto Reset Cycles	0

- **Auto set License plate not memorised**
- **Prioritise number plate reading**

Automatically selected company

In BPWin+ assisted operation (via cameras or pullfile), once the number plate has been detected, the programme proceeds to weighing provided the following conditions are met:

- The scale weight value must not fluctuate more than the Automatic Weight Range for the number of cycles defined in Automatic Weight Cycles.
- If this condition is not met, the countdown restarts until the weight stability criterion is reached.

By adjusting these values, we can prevent the weighing from taking place while vehicles are entering the scale, even if the number plate has been read correctly.

With the parameter **Auto reset cycles** other than zero, the scale will not wait for unloading before accepting number plates again. Instead, it will count the programmed cycles and return to the number plate insertion mode.

With the parameter **Auto set unstored number** plate activated, as soon as the weight exceeds the minimum weight, an unstored number plate called "AUTO PRINT" is automatically assigned and printed according to the usual configuration criteria. The printout will be made directly with the format and printer set to Printer without saving.

This print mode will also execute programmed actions, such as traffic light and barrier control, file generation, etc.

Important note: If this parameter is activated and n auto reset cycles are programmed, the program may enter a print loop if the set criteria are met.

With the parameter **Prioritise number plate reading** in negative value, the weighing is prioritised as soon as the number plate is detected.

In positive value, priority is given to the card reading.

This is useful when in the number plate record there is a number plate programmed which also has an associated card, allowing to define which of the two has priority.

Automatically selected company

Automatically selects the company to which this team belongs. It is especially useful when used in conjunction with the filter file **filter1p.txt**.

Example:

If the database is shared between different plants, this parameter will allow to display in the user interface only the trucks of a specific company..

Brief explanation of the filter1p.txt file

The filter1P file has to be located on the scale node. If the file exists, apply the filter.

Example lines from the filter1P file:

In this example line you can see that a filter per company will be applied.

*Select * from tprimerapesada where cmd LIKE "%M}7}0}1%"*

In another example line it can be seen that a filter per scale will be applied.

*Select * from tprimerapesada where idbascula=0*

8.7 TAB Style

It allows us to configure some parameters of the style of the forms..

Altura Báscula	80	 Record
Altura Báscula	10	
Texto Tamaño Pequeño	10	
Texto Tamaño Normal	12	
Texto Tamaño Grande	16	
	Night/Day Mode	
	Touchscreen/Normal	

Grid Height . Allows us to set the spacing between data in the programme grids. Especially useful for fully tactile environments.

Scale Height is there for the adjustment of the program with the space reserved for scale in case it runs on a CT12 indicator.

Text Small Size., Allows us to modify the size of the small font.

Text Small Normal . Allows us to modify the size of the normal font.

Text Big Size . Allows us to modify the size of the large font.


 Allows to choose the colour of the user interface between light and dark.


 Activates or deactivates the touch keyboard functions.


 Saves the style settings.

8.8 TAB Guided Mode

	Normal/Guided mode
Guided Mode High Item	10
Ancho Item Guided Mode	10
Scale ▼	12
Fields and order	16
Table ▼	
Selected data	
	 Rubber selected item

 **Guided Mode** When this mode is activated, the user interface will request the data sequentially, following the order previously configured in section

Fields and Order.

Item High Guided Mode	Allows us to configure the height of guided mode screen items.
Guided Mode Wide Item	Allows us to set the width of the guided mode screen items.
Associated scale	Scale to which the guided mode is associated
Table from which we want to be asked for data	 Pressing selects the data
Selected Data	

8.9 TAB Auto Export File

AutoExpor

<input type="checkbox"/> AutoExport (only with professional licence)	Hora	23 : 00	Q
Export Route			
			Q

Report .rp16

	Q
--	---

File name

Prefix	Format Date	Suffix	Extension	
entry	yyMMdd	suffix	.csv	

Separator field (Ascii Code)

59	<input checked="" type="checkbox"/> Headers / No Headers	 Save
----	--	---

If AutoExport is checked, a weight history file named dia.csv will be automatically generated in the path specified in Export Path, at the time set in the Time field.

This is especially useful in installations where automatic export of weights to other systems via a flat file is required for processing.

Report .rp16

Here we select the file containing the export structure. This structure is configured in the **Programmable lists** option, where the fields to be exported can be chosen and saved in a file that can then be selected from this section.

File name configuration

The file name is fully configurable using the following structure:

Prefix + Date format + Suffix + Extension

In the Separator (ASCII Code) field, the ASCII character that will act as a separator for the exported fields must be indicated.

Headers / No Headers

With this switch we select whether we want to print the headers in the export.

By clicking on the different icons in the bottom bar, you can access the different forms for data editing.

Companies

Access from the Side Menu Datos / Companies / Editar



Empresa

Código: 0 Nombre: RECICLADORA DE VIDRIO S.L.

Linea Cabecera1: C/ LAS ROSAS Nº 88 - 35118 AAAC Pie de Tiquet1

Linea Cabecera2: CIF: B99999999 Pie de Tiquet2

Linea Cabecera3: Móvil: 699 999 999 Pie de Tiquet3

Linea Cabecera4: Pie de Tiquet4

Linea Cabecera5: Pie de Tiquet5

 Ruta Logo: C:\Users\Leandro\Desktop\EPELSA_PROYECTS\logos\Epelsa\logo_blancc

Ajustar No

N.Tiquet: 12452

Fill in Code and Company Name

In Header Lines 1 to 5 are the lines of text that will appear in the header of the ticket.

In Ticket Footer Lines 1 to 5 are the lines of text that will appear at the End of the ticket.

In the Logo Path, we will use the magnifying glass to search for the path where the company logo we want to include in the ticket is located (except for ENI equipment designs).

Set Logo Yes / No

In the Counter tab we have the counter of this company.

Saves the changes made.

Exit the file.

Usuarios

From Side Menu Datos / Users / Editar

Enter Code and Username.
Enter password.
Choose Access Level for this User

- Hide User Yes / No
- Saves the changes made.
- Exit the file.

Types of Weighing

From Side Menu Data / Heavy Type / Edit

Enter Code and Heavy Type.

Suppliers / Customers

From Side Menu Data / Customer/Supplier / Editar

The screenshot shows the 'Edición Cliente/Prov.' form. The 'Tipo' dropdown menu is open, showing three options: 'Cliente y proveedor', 'Solo cliente', and 'Solo proveedor'. The 'Solo cliente' option is highlighted with a red box. The form fields include: Código (18), Nombre (CLIENTE 18), Dirección, Población (MADRID), Cp, Tel. 1, Tel. 2, N.C. Bancaria, Email, and five text fields (Texto 1-5). At the bottom right, there are 'Aceptar' and 'Cancelar' buttons.

Enter data and choose whether you are a customer, supplier or both.

Products

From Side Menu Data / Product / Editar

The screenshot shows the 'Edición de Producto' form. The fields are: Código (17), Cod.Externo, Nombre (CHATARRA), Texto0 (170405), and nine other text fields (Texto1-9). At the bottom, there are 'Aceptar' and 'Cancelar' buttons.

Product data entry **Transporters**

From Side Menu Data / Transport / Edit

Edición Transportista

Código	13	Nif.	B000000
Nombre	GRUAS RODRÍ S.A.		
Dirección	CRTA. VALENCIA 69		
Población	MADRID	Cp.	55555
Teléfono	649000000	Email	AAA@AAA
mail	aaa@aaa.com		
Texto1			
Texto2			
Texto3			
Texto4			
Texto5			
grupo			

Aceptar Cancelar

Entering carrier data



Drivers

From Side Menu Data / Drivers / Edit

Edición Conductor

Código	1	Nif.	99999627
Nombre	PEDRO MORATA OJEDA		
Dirección			
Población		Cp.	
Teléfono 1		Teléfono 2	
Email			
Texto1			
Texto2			
Texto3			
Texto4			
Texto5			
Grupo	0		

Aceptar Cancelar

Driver data entry

Origen

From Side Menu  Data /  Origen /  Edit



The screenshot shows a dark-themed form titled "Tabla Origen". It contains three input fields: "Código" with the value "1", "Nombre" with the value "GRAN CANARIA", and "Info" which is empty. At the bottom right, there are two buttons: "Aceptar" (Accept) in green and "Cancelar" (Cancel) in red.

Introduction of Origin data.

Destino

From Side Menu  Data /  Destination /  Edit



The screenshot shows a dark-themed form titled "Destino". It contains three input fields: "Código" with the value "3", "Nombre" with the value "LANZAROTE", and "Info" which is empty. At the bottom right, there are two buttons: "Aceptar" (Accept) in green and "Cancelar" (Cancel) in red.

Introduction of Destination data



Licence plates

From Side Menu Datas / Licence plates / Edit

Introducimos la Matrícula.

Edición de matrícula SE0000Y

Nota1 _____
Nota2 _____

0 _____ 0 _____ 0 _____ 0 _____ 0 _____ Σ T 0

Campo1 _____
Ruta _____

Grabar Cancelar

Normal P.M.A 0 Sin automático Sin fechas Sin tara

Empresa : 1
RECICLADORA DE VIDRIO S.L.

Código	Empresa	Linea 1 Cabecera	Linea 2 Cabecera
0	RECICLADORA DE VID...	C/ LAS ROSAS Nº 65 - 0...	CIF: B000000
1	RECICLADORA DE VID...	C/ LAS ROSAS Nº 65 - 0...	CIF: B000000

We

write the weight of the **Vehicle Tare** , if necessary, and with the switch (**Tara**) we activate whether or not to use it in weighing.

We can also associate **Remolque tare**, **Container Tare** or a **Free tare**. All the tarrifs will be summed up and displayed in the field **Σ T** .

Tara Vehículo	T.Remolque	T.Contenedor	Tara Libre	Σ T Suma de Taras
---------------	------------	--------------	------------	-----------------------------

Cards

Normal P.M.A 0 Automatic weighing No dates No Tare

If we use cards associated with the registration, the card code shall be entered in the field **Card**.



In the case of an ENI viewer, if the node configuration is already created correctly, we pass the card through the ENI viewer and, if we press the button next to the card field, the card code will be written in the corresponding field. (It is necessary that the scale is selected in the work form and there is no vehicle on the scale). In P.M.A we shall enter the maximum authorised weight for this vehicle.

- Tare.** Enables or disables the use of tare weighing.
- Automatic weighing** . Enables or disables automatic weighing.
- No Dates** . Enables or disables date locking.
If the date of the MOT or insurance is out of date, it does not allow weighing.

Select Normal Weighing by default (other options would be Multi Load, Multi Unload).

Associate data:

We are associating data in the card of the number plate by clicking on the fields of the left column we will see the associated table to be able to choose the record that we want to associate.

The screenshot shows the 'Edición de matrícula' screen with the following elements:

- Header: Edición de matrícula, SE0000Y, EDICION
- Fields: Nota1, Nota2, Campo1, Ruta
- Buttons: Grabar, Cancelar
- Configuration: Normal, P.M.A 0, Sin automático, Sin tara, Sin fechas
- Table with columns: Código, Empresa, Línea 1 Cabecera, Línea 2 Cabecera
- Left sidebar with data fields: Empresa, Tipo Pesada, Falta T. PESADA, Proveedores Clientes, Falta Proveedor Cliente, Producto, Falta Producto, Transportista, Transdimora S.L., Conductor, Mario Morales Arago, Origen, Destino, Texto Libre, Genérico, Remolque, GC03247R, Contenedor

Código	Empresa	Línea 1 Cabecera	Línea 2 Cabecera
0	RECICLADORA DE VID...	C/ LAS ROSAS Nº 65 - 0...	CIF: B000000
1	RECICLADORA DE VID...	C/ LAS ROSAS Nº 65 - 0...	CIF: B000000

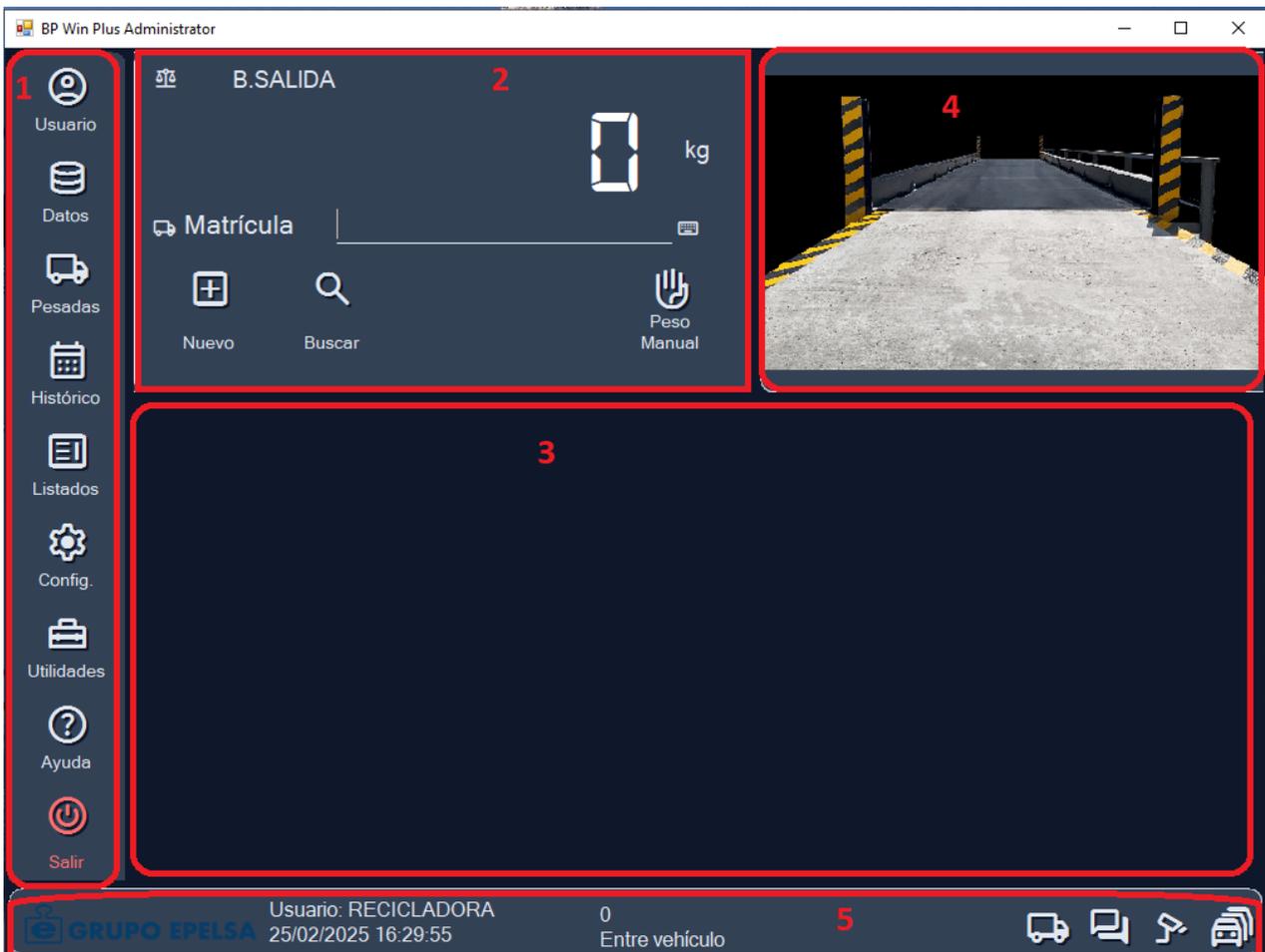
The Notes1 and 2 fields allow us to write any associated text for any comment or custom application.

10. WORK OPERATIONS

On the work screen there are 5 different zones:

1. Left-hand column: Main menu.
2. Selection of scales (if we have more than one) and display of the weight.
3. Display of data according to the pressing of the buttons in section 5.
4. Camera display.
5. Display of messages and selection of data to be displayed in zone 3.

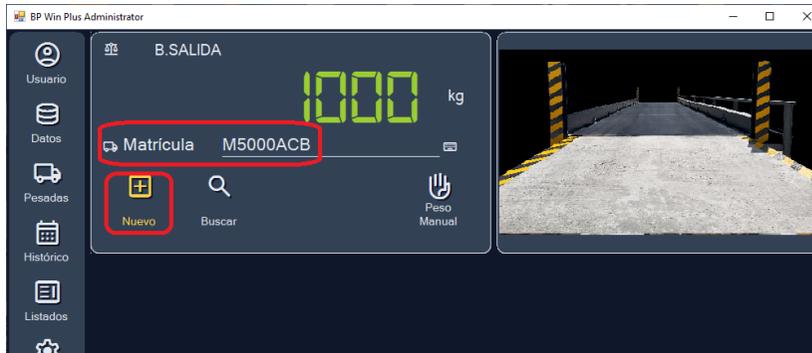
- Shows trucks in transit in zone 3.
- Chat
- Number plate reader
- Access Control



Select the scale with which you are going to weigh, if there is only one, there is no need to select it.

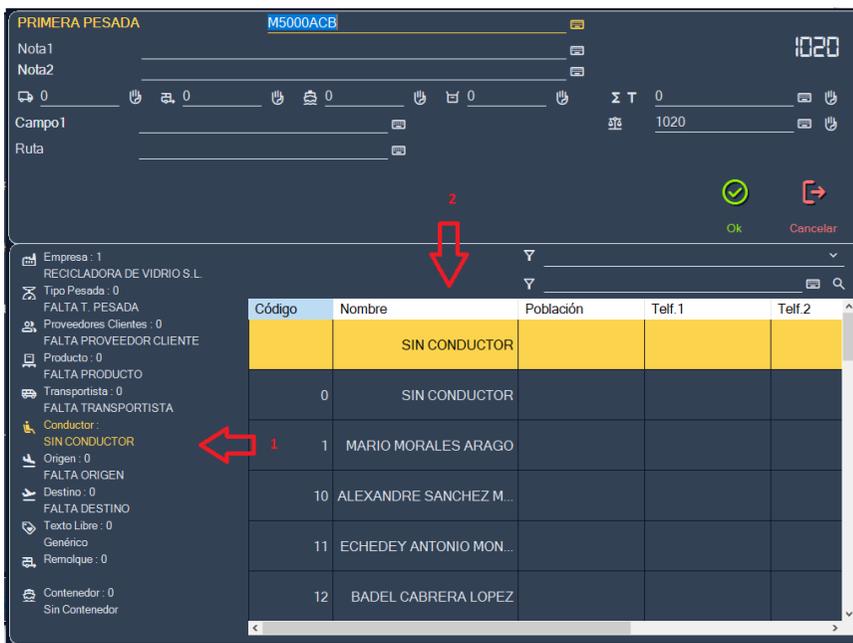
Option A (by typing in the number plate directly).

Enter the registration number in the Registration box and click on  New.



It will search the database for a weigh-in-transit. If not, it shall search the number plate table for associated data and display the First Weighing screen.

In point 1, we select in the left-hand column the data we want to modify and in point 2 the table appears to select the data we are interested in.

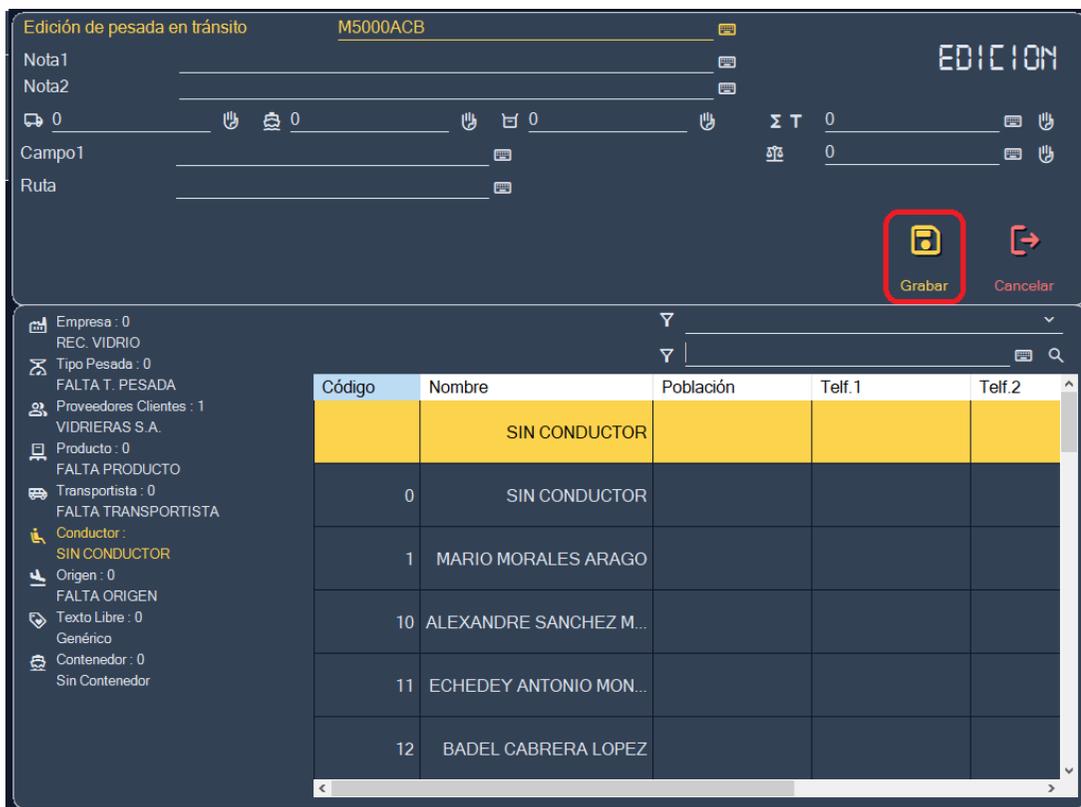


Once you have entered the data, click on  Ok to record. The item of the truck in transit will appear on the central screen. All trucks in transit will be displayed here.



To output it, when you return, you can click directly on the truck item and the form for entering the data of the Second Heavy will open.

Modify the necessary data and click on the button.  **Save to finish.**



The image of the truck in transit will disappear, the ticket will be printed according to the print settings and the record of the weighing will be saved.

Option B: Pre-recorded number plate search with the Magnifier

Click on the magnifying glass button



The search form for the number plates we have stored will appear. You can use the search filter or select the entry in the grid..

Edición de Matrículas

Buscar Buscar

Aceptar Cancelar

id	Matrícula	Tarjeta	Tara	Maximo	empresa	origen	remolque	destino	co
6			0	0	1	1	1	1	
7	S		0	0	1	1	2	1	
8			0	0	1	1	8	1	
9	C		0	0	1	1	0	1	
10	LTP		0	0	1	1	0	1	
11	H		0	0	1	2	0	1	
12	GZV		0	0	1	1	0	1	
13	HHH		0	0	1	3	0	1	
14	92		0	0	1	2	0	1	
15	9		0	0	1	1	0	1	

✔ Accept, the weighing data entry form will appear on the screen with the data we had associated with this licence plate.

PRIMERA PESADA SE0000AY 300

Nota1
Nota2

0 0 0 0 0 0 0 0

Campo1 300

Ruta

Edición de Empresas

Empresa: 0 REC. VIDRIO
Tipo Pesado: 0 FALTA T. PESADA
Proveedores Clientes: 1 VIDRIERAS S.A.
Producto: 0 FALTA PRODUCTO
Transportista: 1 TRANSPARNER S.L.
Conductor: 1 MARIO MORALES ARAGO
Origen: 1 GRAN CANARIA
Texto Libre: 0 Genérico
Contenedor: 0 Sin Contenedor

Código	Empresa	Linea 1 Cabecera	Linea 2 Cabecera	LI
0	REC. VIDRIO	C/ LAS ROSAS Nº 65 - 0...	CIF: B000000	
1	RECICLADORA DE VID...	C/ LAS ROSAS Nº 65 - 0...	CIF: B000000	

Correct the data if necessary and press the button.  Accept to end weighing.
In this example, the record of the weighing will be saved in table 1 Weighing and a new item will appear on the display.

Option C: Weighing in automatic with ENI Indicator

In this case, the vehicle is placed on the scale and the associated card is swiped through the card reader.

If the indicator is programmed to request the product code from the driver, the equipment shall request it via the indicator display.

If this is not the case, the weighing will be carried out with the data associated with this number plate, the record will be recorded and a ticket will be printed, depending on whether it is 1st weighing or 2nd weighing, depending on what we have configured in the node in the automatic printing section.

Option D: Automatic weighing with camera-based number plate reading.

Requires a Professional or Higher licence.

In this case, the vehicle is placed on the scale and, when the camera reads the number plate, a search is made in the database and a weighing is carried out with the data associated with that number plate, provided that it is authorised for weighing.

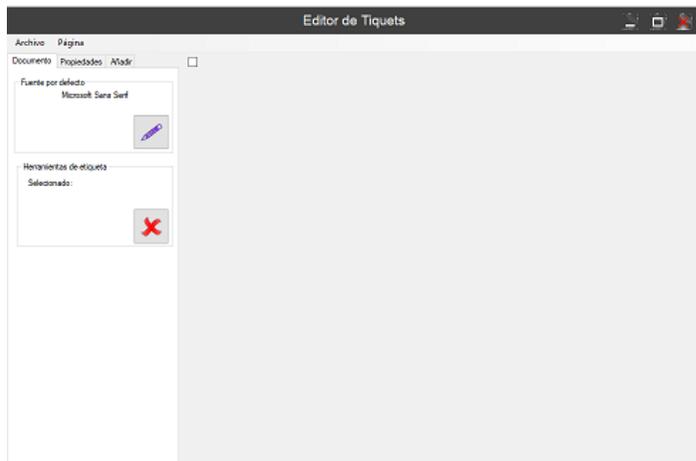
A ticket will be printed depending on whether it is 1st Weighing or 2nd Weighing, depending on what we have programmed in the node configuration in the automatic printing section.

11. TICKET PUBLISHER

From the side menu  Configuration /  Tickets Editor

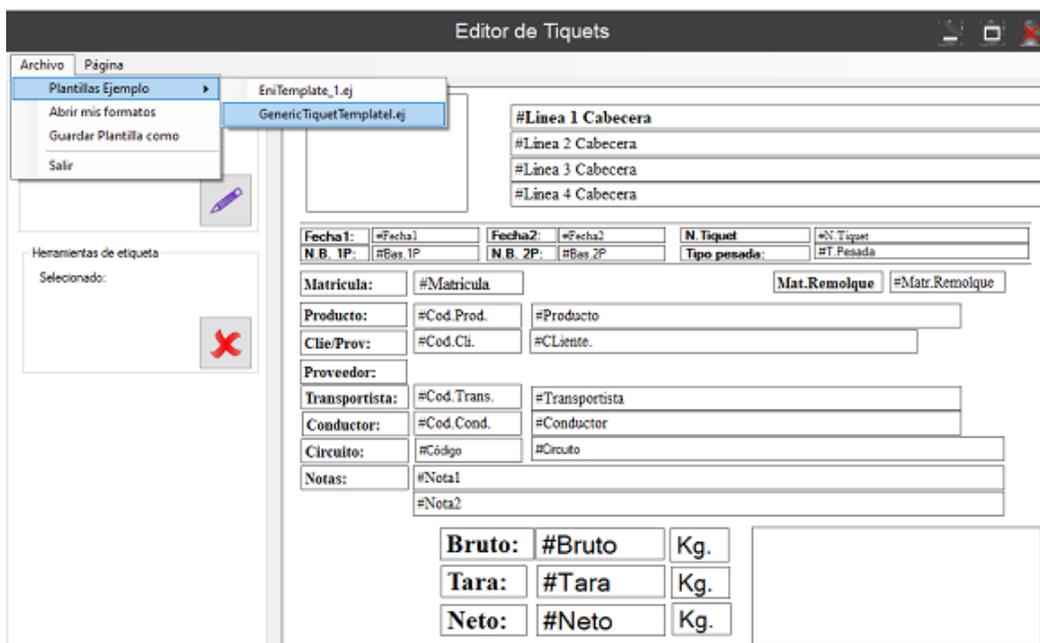
From this form you can design the format of the tickets to be issued.

There are two formats: the generic format for printing from the printers available in the Windows operating system and the specific format for ENI equipment.

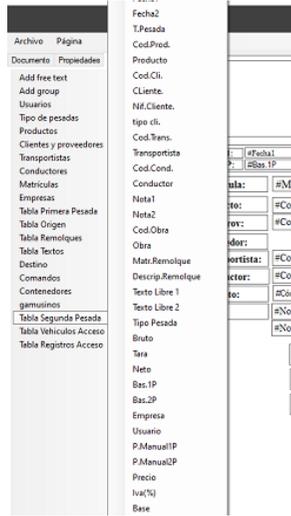


We can create an unlimited number of formats.

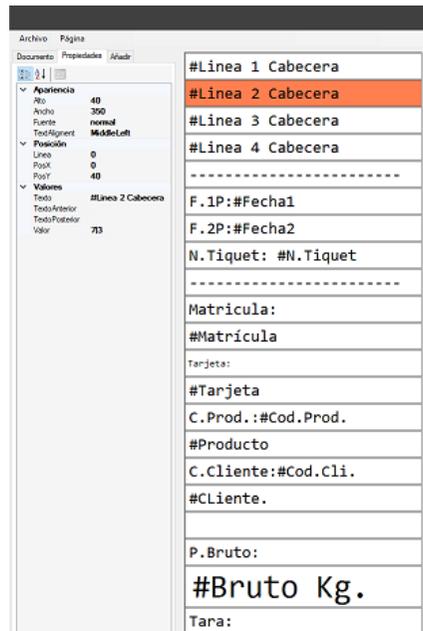
Sample templates are available so that you don't have to start from scratch when creating a design.



We can add or remove fields, move them around, change the font.



In the ENI format, we can add or remove fields, change the position and font. We can also save the format with a custom name using the "Save as" option.

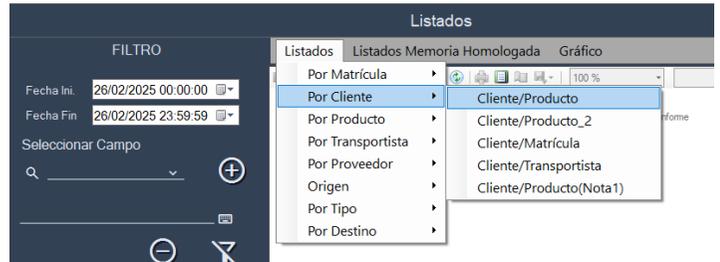
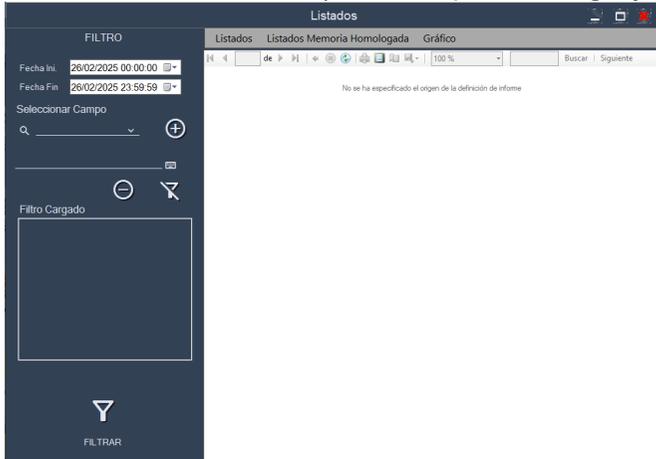


12. LISTED

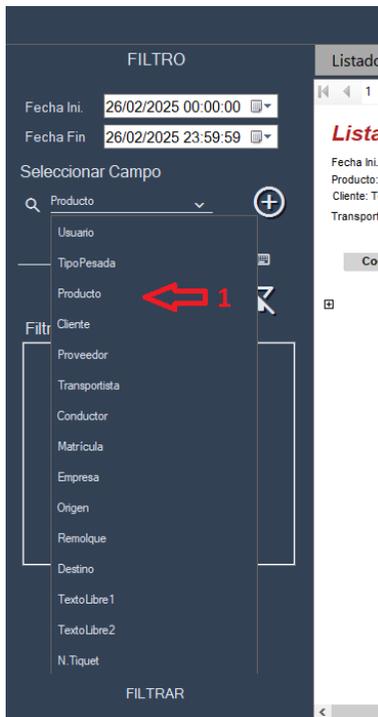
From the side menu: Listed

From this form, we can select different types of listings.

First, we select one (for example, Listing by Customer/Product).

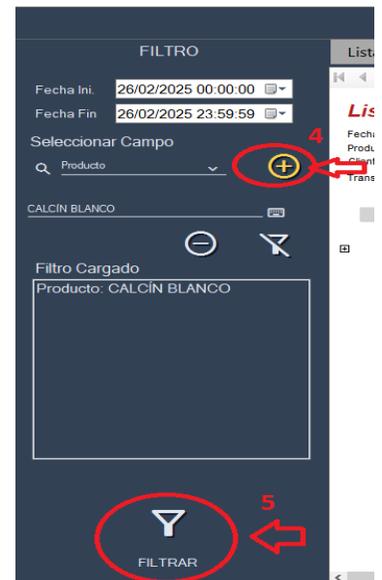


We can then filter the records by date and by different fields.

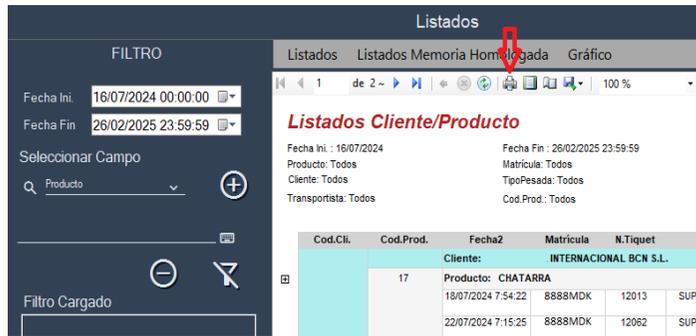


Productos

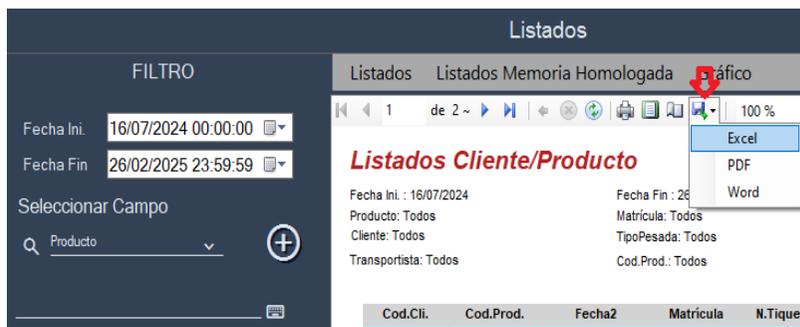
Código	Nombre	Comandos	Familia
0	FALTA PRODUCTO	0	0
1	CALCÍN BLANCO	0	0
10	CALCÍN AMBAR MUELLE	0	0
11	CALCÍN VERDE MUELLE	0	0
12	RECHAZO	0	0
13	KSP RECHAZO GRUESO	0	0
14	KSP RECHAZO FINO BUENO	0	0
15	KSP RECHAZO FINO MALO	0	0
16	CUBOS DE BASURA	0	0



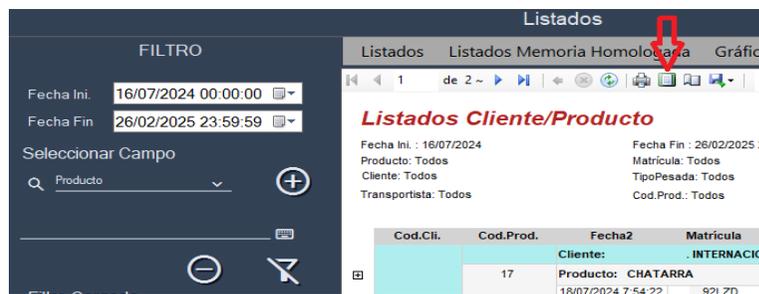
To print press:



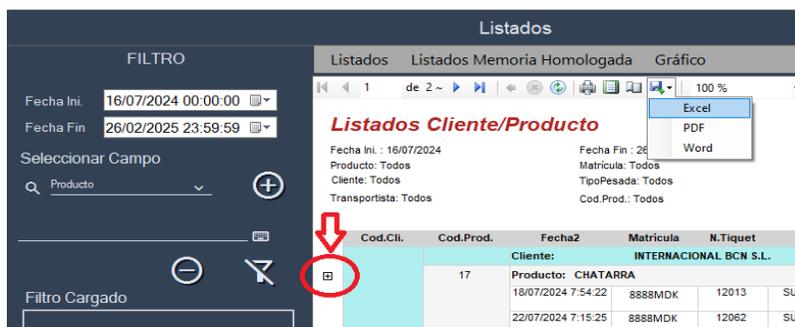
To export press:



Print design press:



To delete or add details of displayed records press:



13. HISTORICAL WEIGHING TABLE

Access from Side Menu  **Weighing history.**

From this form, you can view the records of the weighs carried out.

You can filter the searches by dates or by any field selected in the search filter, view the data on screen or print a customised list in .pdf or .csv format.

It is also possible to reprint any weighing record.

Weighing history table

31/10/2023 ▾ Busca Enrolment

31/10/2023 ▾ r _____ ▾

Filtro








Editar Borrarr Print Print Salir





Export Export Enviar




Foto1 Foto2

-  Search by selected filter
-  Search between selected dates
-  Export
-  Export the filtered records to a CSV formatted file
-  Print customised lists
-  Edit or modify weighing record.
-  Opens a form to modify the data of the record.
-  Delete the selected weighing record.
-  Print the selected record by the automation printer or by the manual printer.
-  Alternative printer
-  View first weighing photo

14. CUSTOMISED LISTS

As each client needs the information presented and grouped according to their requirements, and as not all such groupings are available in the BPWin Listings programme, the BPWin+ programme offers the possibility to configure multiple customised listings.

To do this, we can configure as many listings as the client wishes through the customisation form.

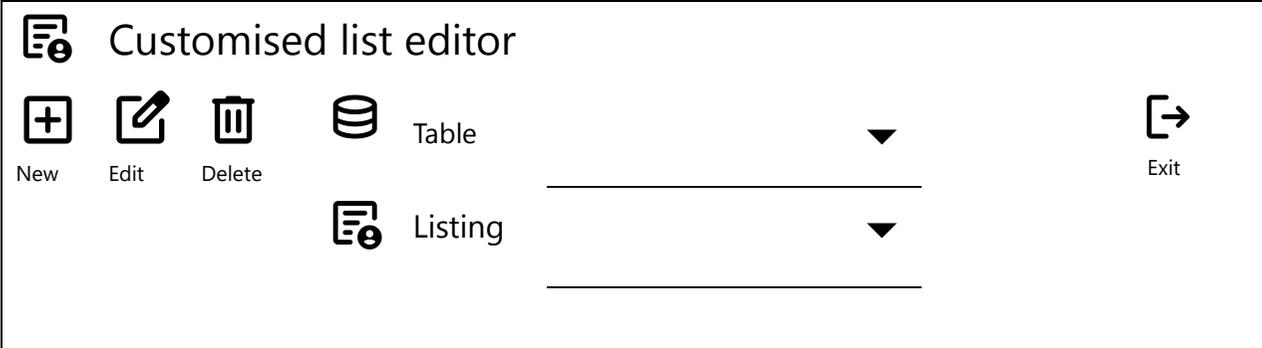
The Custom Listings form is accessed from the main screen.

Currency Lateral /  Configuration /  Personalised Listings.

This form allows the configuration of any data list in the programme, including all tables and columns within them, as well as offering two levels of grouping. Depending on what is programmed in the different fields, the list will show the information in one way or another, so special emphasis must be placed on checking that the programming coincides with the way we want to see the information.

We will be able to run our listings from the button  in any form where it is found.

Submission of the form



The screenshot shows a form titled "Customised list editor". At the top left is a list icon. Below the title are three icons: a plus sign in a square labeled "New", a pencil in a square labeled "Edit", and a trash can in a square labeled "Delete". To the right of these are two dropdown menus. The first dropdown is labeled "Table" and has a downward arrow. The second dropdown is labeled "Listing" and also has a downward arrow. On the far right is an "Exit" button with a square icon containing a right-pointing arrow.

The options offered by the form are the creation of a new list, the edition of an existing list or the deletion of an existing list.

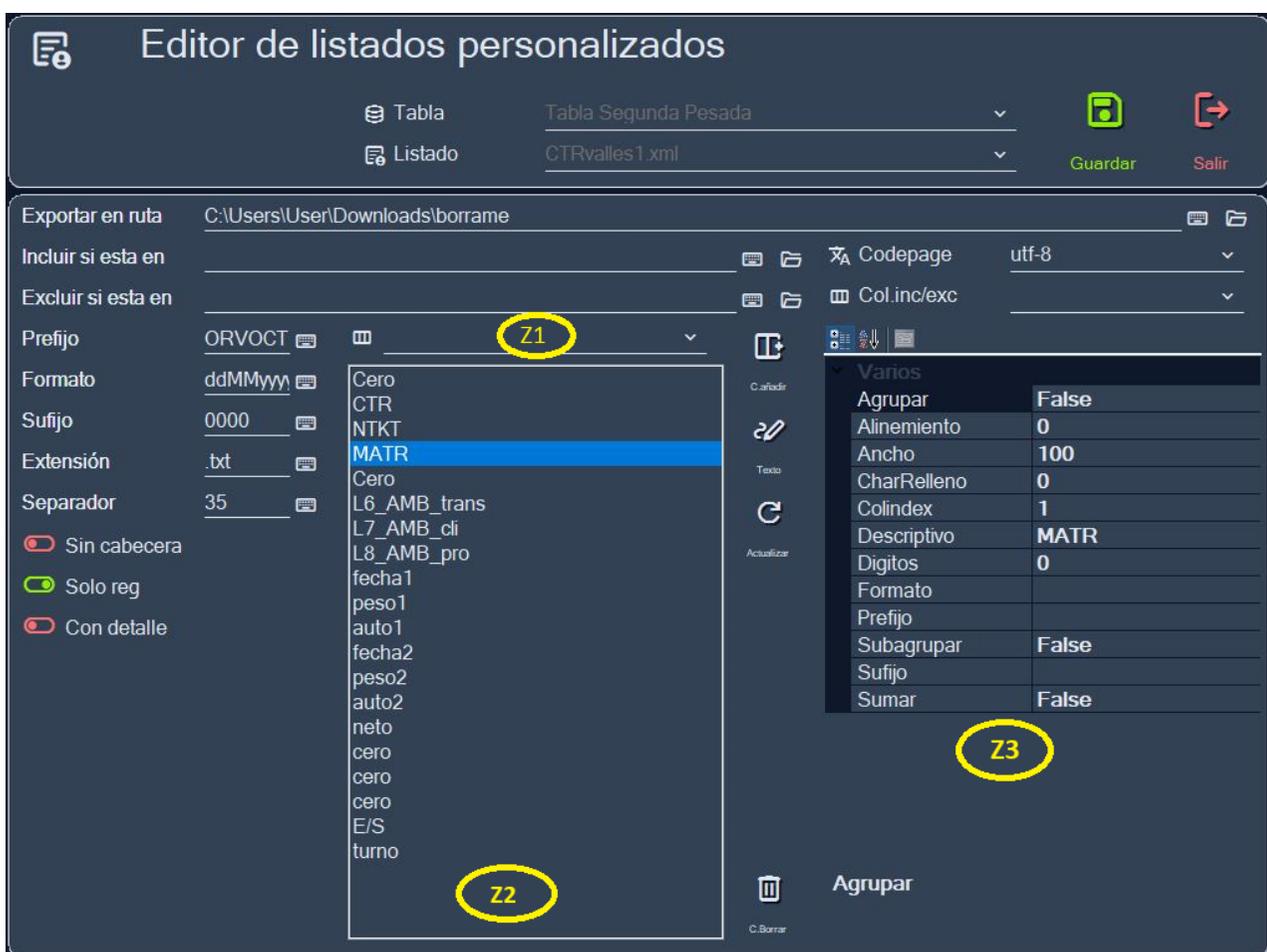
For any of the three options, we must first choose which table we want to work on (for example, SECOND HEAVY).

To create a new list, select the table we are going to work with, write the title of the list and click on the button  **New**.

To edit an existing listing, we only need to select the table and click on the Edit button. Once this is done, a new form will open, allowing us to select among the existing listings of the table. By selecting the list and clicking on the Open button, the data will be loaded into the form, allowing us to edit the current data of the list.

To delete an existing listing, we only need to select the table and click on the Delete button. A new form will open allowing us to select from the existing listings of the table. By selecting the list and clicking on the Open button, the list will be permanently deleted. WARNING: this operation is not reversible.

Once a list has been opened for editing or a new one has been created, the new elements will appear in the form.



Editor de listados personalizados

Tabla: Tabla Segunda Pesada
Listado: CTRvalles1.xml

Exportar en ruta: C:\Users\User\Downloads\borrame

Incluir si esta en: Excluir si esta en:

Prefijo: ORVOCT

Formato: ddMMyyyy

Sufijo: 0000

Extensión: .txt

Separador: 35

Sin cabecera
 Solo reg
 Con detalle

Z1: Columna seleccionada: MATR

Z2: Columnas disponibles: Cero, CTR, NTKT, MATR, L6_AMB_trans, L7_AMB_cli, L8_AMB_pro, fecha1, peso1, auto1, fecha2, peso2, auto2, neto, cero, E/S, turno

Z3: Propiedades de MATR

Varios	
Agrupar	False
Alinamiento	0
Ancho	100
CharRelleno	0
Colindex	1
Descriptivo	MATR
Digitos	0
Formato	
Prefijo	
Subagrupar	False
Sufijo	
Sumar	False

Z1 → Allows us to choose which column we want to add to the list.

Z2 → Shows us which columns we have in the list. Selecting the column shows us its properties.

Z3 → This area allows us to edit the properties of the selected column at will.

 → Saves the current listing and its modifications.

Description and use of the properties of each column

Group

The lists can simply be an enumeration of the fields we want, but sometimes we need equal values to be grouped together.

Examples of use:

- Example 1: We want to show all the articles of the same family (table products).
- Example 2: We want to show all the records of a number plate (second weighing table).
- Example 3: We want to show all the daily records (second weighing table).
- Example 4: We want to group the weighings by product (second weighing table).
- Example 5: We want to group the weighings by customer (second weighing table).

For this purpose, on the column to be grouped, we will set the value to TRUE.

The program ignores any additional grouping and ignores the grouping property of the list once it has read the first grouping column.

Alignment

Possible values:

0

1

2

midato	midato	midato
--------	--------	--------

Broad

This is the percentage value that the selected column occupies within the list. The value 100 indicates that it occupies the entire width of the page and the value 5 only 5% of the page.

The sum of all the columns must not exceed 100% in order not to obtain oddities in the printout.

Sometimes we may want to add a column to group, but not represent it in each of the records, in which case the width value should be 0 so that the column is taken into account in the list but is not represented in the records.

Colindex

Indicates the index in reference to the table that occupies this column, ignore the value as it takes the indexed column correctly. Manipulate the value only experts.

Descriptive

This is the title of the column containing the data.

Format

Sometimes we are not interested in presenting the information as it is recorded but through a presentation style, in these occasions we use the format property.

The format is dependent on the data value of the column, i.e. you cannot apply numeric formatting to text columns, or date formatting to number fields.

Sometimes we are interested in grouping by date, but when we do so we realise that the records do not join, that is because we have not formatted the date correctly. You have to think that grouping only groups EQUAL data and that 12/12/2023 11:39 is not equal to 12/12/2023 12:14. However, using the format dd/MM/yyyy both data become 12/12/2023 and then they are equal and are grouped together.

Some examples

0,000 for numbers will show the value 21520 as 21.520

dd/MM/yy for date will display the value 12/12/2023 11:39 as 12/12/23

For more information see FORMATS ANNEX.

Subgroup

The lists can simply be an enumeration of the fields we want, but sometimes we need equal values to be put together at several levels.

Examples of use:

- Example 1: Customer/Licence Plate (Group by customer, subgroup by licence plate)
- Example 2: Customer/Product (Group by customer, subgroup by product)
- Example 3: Product/Customer (Group by product, subgroup by customer)
- Example 4: Customer/Day (Group by customer, subgroup by day (date format dd/MM/yy))

For this purpose, on the column to be subgrouped, we shall set the value TRUE.

The program ignores if there are "n" subgroupings, ignoring the subgroup property of the list once it has read the first subgrouping column.

Add

Subgrouped values of columns with the Sum property set to TRUE shall be summed in each subgroup and also in each grouping.

Especially useful for obtaining totals.

Value

Field not used, not used.

General file parameters

Export in path. We will put the path where the file will be exported.

Include if in. Only the data included in it will be added to the list, excluding all the others.

Exclude if in. The existing data in the file will be excluded from the list, including all the others.

Col.inc/exc. Here we tell you which column is going to be taken into account in the inclusion or exclusion file.

Prefix. Prefix of the file name

Suffix. Suffix of the file name.

Format. If you want to use it, it saves the date in the file name with the format we indicate. If not, leave blank and use the prefix and/or prefix for the name.

Extension. Indicate which extension of the file we want (.txt, .dat, etc.)

Separator. We indicate the field separator with the decimal value of the character.

Without/With header. We indicate if we want to insert the descriptive headers of the fields in the file.

Only records / Subtotal lines. If we choose only records, it will record the records without subtotals.

With detail / without detail. If we choose without detail, each detail line will not be printed, making the report shorter. Especially useful for totalisation reports where the details of the individual weighings are not important.

Example of a list of items without grouping.

We use the columns: code (width 25%), name (width 50%), family (width 25%).

Code	Name	Family
0	General product	0
1	Golden apple	1
3	Lemons	2
2	Fuji apple	1

Example of a list of items grouped by family.

Same fields as previous example. In family we set group and sub group to TRUE.

Family 0

Code	Name	Family
0	Producto general	0

Familia 1

Code	Name	Family
1	Manzana golden	1
2	Manzana fuji	1

Family 2

Code	Name	Family
3	Limonas	2

Example of a personalised list.

Enrolment (20%), ntkt (20%), Product (20%), Date (20%), Net (20%)

Ungrouped data with weight column Add to TRUE

Enrolment	ntkt	Product	Date	Weight
9995DGS	5	Limonas	22/03/2017	12000
0839JWV	6	Manzana golden	22/03/2017	11000
9995DGS	7	Manzana golden	22/03/2017	12000
0839JWV	8	Limonas	22/03/2017	13000
9995DGS	9	Limonas	22/03/2017	12000
				60000

Same data with Enrolment group TRUE, Product sub group TRUE and Weight add TRUE.

Enrolment 9995DGS

Enrolment	ntkt	Product	Date	Weight
Product Lemons [2 reg]				
9995DGS	5	Limonas	22/03/2017	12000
9995DGS	9	Limonas	22/03/2017	12000
				24000
Product Golden apple				
9995DGS	7	Manzana golden	22/03/2017	12000
				12000



Enrolment 0839JWV

Enrolment	ntkt	Product	Date	Weight
Product Golden apple [1reg]				
0839JWV	6	Golden Manzana	22/03/2017	11000
				11000
Product Lemons [1reg]				
0839JWV	8	Limones	22/03/2017	13000
				13000

Same data with License plate group TRUE, Product sub group TRUE, Weight add TRUE and No Detail to TRUE.

Enrolment 9995DGS

Enrolment	ntkt	Product	Date	Weight
Product Lemons [2 reg]				
				24000
Product Golden apple				
				12000

Enrolment 0839JWV

Enrolment	ntkt	Product	Date	Weight
Product Golden apple [1reg]				
				11000
Product Lemons [1reg]				
				13000

Annex Format

Date symbols

Symbol	Range
<i>d</i>	1-31 (day of the month, without leading zero)
<i>dd</i>	01-31 (day of the month, with leading zero)
<i>w</i>	1-7 (day of the week, starting with Sunday = 1)
<i>ww</i>	1-53 (week of the year, without leading zero; week 1 starts on 1 January)
<i>m</i>	1-12 (month of the year, without leading zero, starting with January = 1)
<i>mm</i>	01-12 (month of the year, with leading zero, starting with January = 01)
<i>mmm</i>	Displays abbreviated month names (Hijri month names have no abbreviations).
<i>mmm</i>	Displays full month names
<i>y</i>	1-366 (day of the year)
<i>yy</i>	00-99 (last two digits of the year)
<i>yyy</i>	100-9999 (three- or four-digit year)

Time symbols

Symbol	Range
<i>h</i>	0-23 (1-12 with "A. M." or "P. M." appended) (time of day, no leading zero)
<i>hh</i>	00-23 (01-12 with "A. M." or "P. M." appended) (time of day, with a leading zero)
<i>n</i>	0-59 (minute of hour, without leading zero)
<i>nn</i>	00-59 (minute of hour, with leading zero)
<i>m</i>	0-59 (minute of hour, without leading zero). Only if preceded by h or hh
<i>mm</i>	00-59 (minute of hour, with leading zero). Only if preceded by h or hh
<i>s</i>	0-59 (second of minute, without leading zero).
<i>ss</i>	00-59 (second of minute, with leading zero).

Different formats for different numerical values Una expresión formato definida por el user for numbers can have between one and four sections separated by semicolons. If the format argument contains one of the named numeric formats, only one section is allowed.

It is used	The result is
One section only	The format expression applies to all values.
Two sections	The first section applies to positive values and zeros, the second to negative values.
Three sections	The first section applies to positive values, the second to negative values and the third to zeros.
Four sections	The first section applies to positive values, the second to negative values, the third to zeros and the fourth to Null values.

Different formats for different chain values

A format expression for strings may have one section or two sections separated by a semicolon (;).

It is used	The result is
Only one section	The format applies to all string data.
Two sections	The first section applies to string data, the second to Nully string values of length zero ("").

Named date and time formats

The following table identifies the predefined date and time format names.

Number of format	Description
General Date	Displays a date and/or time, e.g. 4/3/93 05:34 P.M.. If there is no fractional part, displays only a date, e.g. 4/3/93. If there is no integer part, it displays only the time, e.g. 05:34 P.M.. The display of the date depends on the system configuration.
Long Date	Displays a date according to the system's long date format.
Medium Date	Displays a date in the median date format appropriate for the host application language version.
Short Date	Displays a date in the system short date format.
Long Time	Displays a time in the system long time format; includes hours, minutes, seconds.
Medium Time	Displays the time in 12-hour format with hours and minutes, and the AM/PM designator.
Short Time	Displays a time in 24-hour format, for example, 17:45.

Named numeric formats

The following table identifies the predefined numeric format names.

Number of format	Description
General Number	Displays the number without the thousands separator.
Currency	Displays the number with the thousands separator, if applicable; displays two digits to the right of the decimal separator. The result depends on the regional setting of the system.
Fixed	Displays the minus one digit to the left and two digits to the right of the decimal separator.
Standard	Displays the number with the thousands separator, at least one digit to the left and two digits to the right of the decimal separator.
Percent	Displays a number multiplied by 100 with a percent sign (%) appended to the right; always displays two digits to the right of the decimal separator.
Scientific	Uses standard scientific notation.
Yes/No	Displays No if the number is 0; otherwise, displays Yes.
True/False	Displays False if the number is 0; otherwise, displays True.
On/Off	Displays Off if the number is 0; otherwise, displays On.

User-defined string formats

Use the following characters to create a formatting expression for strings.

Character	Description
@	Character placeholder. Displays either a character or a space. If the string has a character in the position where the hash mark (@) appears in the format string, it displays it; otherwise, it displays a space in that position. Placeholders are filled from right to left, unless there is an exclamation point character (!) in the format string.
&	Character placeholder. Displays a character or nothing. If the string has a character in the position where the commercial y (&) appears, it displays it; otherwise, it displays nothing. Placeholders are filled from right to left, unless there is an exclamation point character (!) in the format string.
<	Lower case forces. Displays all characters in lower case.
>	Upper case forces. Displays all uppercase characters.
!	Forces placeholder padding from left to right. The default behaviour is to fill placeholders from right to left.

User-defined date and time formats

The following table identifies the characters you can use to create user-defined date/time formats.

Character	Description
(:)	Date separator. In some regional settings, other characters may be used to represent the time separator. The time separator separates hours, minutes, and seconds when formatting time values. The actual character used as the time separator in the formatted result depends on the system configuration.

Character	Description
(/)	Date separator. In some locales, other characters may be used to represent the date separator. The date separator separates the day, month and year when formatting date values. The actual character used as date separator in the formatted result depends on the system configuration.
c	Displays the date as dddddd and displays the time as tttt, in that order. Displays only the date information if there is no fractional part in the date serial number; only the time information is displayed if there is no integer part.
d	Displays the day as a number without a leading zero (1-31).
dd	Display the day as a number with a leading zero (01-31).
ddd	Display the day as an abbreviation (Sun-Sat). Localised.
dddd	Display the day as a full name (Sunday-Saturday). Localised.
dddddd	Display the date as a full date (including day, month and year) formatted according to the system's short date format settings. The default short date format is m/d/yy.
dddddd	Displays a date serial number as a complete date (including day, month and year) formatted according to the long date setting recognised by the system. The default long date format is mmmm dd, yyyy.
w	Displays the day of the week as a number (1 for Sunday to 7 for Saturday).
ww	Displays the week of the year as a number (1-54).
m	Displays the month as a number without a leading zero (1-12). If m immediately follows h or hh, the minute is displayed instead of the month.
mm	Displays the month as a number with a leading zero (01-12). If m immediately follows h or hh, the minute is displayed instead of the month.
mmm	Display the month as an abbreviation (Jan-Dec). Localised.
mmmm	Display the month as a full month name (Jan-Dec). Localised.
q	Show the quarter of the year as a number (1-4).
y	Displays the day of the year as a number (1-366).
yy	Displays the year as a 2-digit number (00-99).
yyyy	Displays the year as a 4-digit number (100-9999).
h	Displays the time as a number without a leading zero (0-23).
hh	Displays the hour as a number with a leading zero (00-23).
n	Displays the minute as a number without a leading zero (0-59).
nn	Displays the minute as a number with a leading zero (00-59).
s	Show the second as a number without a leading zero (0-59).
ss	Show the second as a number with a leading zero (00-59).
tttt	Display the time as a complete hour (hour, minute, and second), using the time separator defined by the time format recognised by the system. A leading zero is displayed if the leading zero option is selected and the time is before 10:00 A.M. or P.M. The default time format is h:mm:ss.
AM/PM	Uses the 12-hour clock and displays AM in uppercase with any time before noon; displays PM in uppercase with any time between noon and 11:59 P.M.
am/pm	Uses the 12-hour clock and displays AM in lower case with any time before noon; displays PM in lower case with any time between noon and 11:59 P.M..
A/P	Uses the 12-hour clock and displays a capital A with any time before noon; displays a capital P with any time between noon and 11:59 P.M.

Character	Description
a/p	Uses a 12-hour clock and displays a lowercase A with any time before noon; displays a lowercase P with any time between noon and 11:59 P.M.
AM/PM	Uses the 12-hour clock and displays the string AM as defined by the system with any time before noon; displays the string PM as defined by the system with any time between noon and 11:59 P.M. AMPM can be lowercase or uppercase, but the case of the displayed string matches the string that was defined in the system configuration. The default format is AM/PM. If the system is set to the 24-hour clock, the string is usually set to a zero-length string.

User-defined numeric formats

The following table identifies the characters you can use to create user-defined number formats.

Character	Description
None	Displays the unformatted number.
(0)	Digit placeholder. Displays a digit or a zero. If the expression has a digit in the position where the 0 appears in the format string, it displays it; otherwise, it displays a zero in that position. If the number has fewer digits than zeros (on either side of the decimal point) in the format expression, displays leading or trailing zeros. If the number has more digits to the right of the decimal separator than zeros to the right of the decimal separator in the format expression, it rounds the number to as many decimal places as the number of zeros. If the number has more digits to the left of the decimal separator than zeros to the left of the decimal separator in the format expression, displays the additional digits unchanged.
(#)	Digit placeholder. Displays a digit or nothing. If the expression has a digit in the position where # appears in the format string, it displays it; otherwise, it displays nothing in that position. This symbol works like a 0-digit placeholder, except that leading and trailing zeros are not displayed if the number has the same digits or fewer digits as # characters on the side of the decimal separator in the format expression.
(.)	Decimal placeholder. In some locales, a comma is used as a decimal separator. The decimal placeholder determines the number of digits that appear to the left and right of the decimal separator. If the format expression contains only number signs to the left of this symbol, numbers less than 1 begin with a decimal separator. To display a leading zero with fractional numbers, use 0 as the first digit placeholder to the left of the decimal separator. The actual character used as a decimal placeholder in the formatted result depends on the number format recognised by your system.
(%)	Percentage placeholder. Multiplies the expression by 100. The percent character (%) is inserted at the position where it appears in the format string.
(,)	Thousands separator. In some locales, a full stop is used as a thousands separator. The thousands separator separates thousands from hundreds in a number that has four or more digits to the left of the decimal separator. The standard use of the thousands separator is specified if the format contains a thousands separator surrounded by digit placeholders (0 or #). Two adjacent thousands separators or a thousands separator immediately to the left of the decimal separator (regardless of whether a decimal is specified) means "scale the number by dividing by 1000, rounding as necessary". For example, you can use the format string "##0", to represent 100 million as 100. Numbers less than 1 million are shown as 0. Two adjacent thousands separators in any position

Character	Description
	other than immediately to the left of the decimal separator are simply considered to specify the use of a thousands separator. The actual character used as a thousands separator in the formatted result depends on the number format recognised by your system.
(.)	Date separator. In some regional settings, other characters may be used to represent the time separator. The time separator separates hours, minutes, and seconds when formatting time values. The actual character used as the time separator in the formatted result depends on the system configuration.
(/)	Date separator. In some regional settings, other characters may be used to represent the date separator. The date separator separates the day, month, and year when formatting date values. The actual character used as the date separator in the formatted result depends on the system configuration.
(E- E+ e- e+)	Scientific formatting. If the format expression contains at least one digit placeholder (0 or #) to the right of E-, E+, e- or e+, the number is displayed in scientific format and E or e is inserted between the number and its exponent. The number of digit placeholders to the right determines the number of digits in the exponent. Use E- or e- to place a minus sign next to negative exponents. Use E+ or e+ to place a minus sign next to negative exponents and a plus sign next to positive exponents.

15. **Input files Output (I/O_Files)**

This functionality is added to the programme, which consists of processing the in file to execute weighing automatically and exporting the out1p and out2p files when the corresponding weighing is carried out.

This functionality is only operative under PROFESSIONAL LICENCE.

You can activate the automation of these files in Configuration>>General >> Auto.

Auto reading IN Files

Auto create OUT Files 1P

Auto create OUT Files 2P



Operation and processing of files

When the automatic reading of the IN file is activated, the path configured in the IN file is polled periodically (every 500ms). The path can be a shared folder on the network or it can be on the server if the PC has sufficient access credentials.

The IN file can be configured so that the different fields of the DB can be written to the existing values left inside the IN file. If it is not possible to find a code or move the field, the field will be moved to the first record of the same table (generic record), if it could not be weighed (because the scale is empty, for example) the file will be renamed by adding a "_E" at the end of its name.

The field added in the file configuration through the button add id will be written in the field L5 (free 5) of the database. This field will be part of the naming structure of the OUT1P and OUT2P files.

The OUT1P file is created when the first weighing has been carried out. Logically, as a condition for creating this file, no pre-programmed tare must be used in the licence plate table.

The OUT2P file is created when the second weighing has been performed.



FILE IN

File name structure IN

Vehi_Basc_N.csv

File structure IN

cabecera_1; cabecera_2; cabecera_3; cabecera_4; cabecera_n;

dato1 ; dato2; dato3, dato4; dato_n;

The fields of the file must be logical, as it is a first weighing, we must take the data from the different tables that we need as if we were choosing them for the first weighing (we must not take data from tables of in transit, second weighing, vehicle access).



FILE OUT1P y FILE OUT2P

File name structure **OUT1P**

Licence plate_L5_Bascule_M.csv

Filename structure of the OUT2P file

License_L5_L5_Bascula_N.csv

Licence plate: data to be set in the vehicle's licence plate.

L5: data contained in the free field 5, it is recommended for this type of applications to set the field L5 as not visible so that it cannot be manipulated manually in the weighing process.

Scale: The scale number in BPWin+, where 1 is the first scale.

M: Letter "M"

N: Letter "N".

The field separator of the nomenclature is the character "_" HEX(5F) DEC(95)

OUT 1P and OUT2P File Structure

header_1; header_2; header_3; header_4; header_n;

data1 ; data2; data3, data4; data_n;

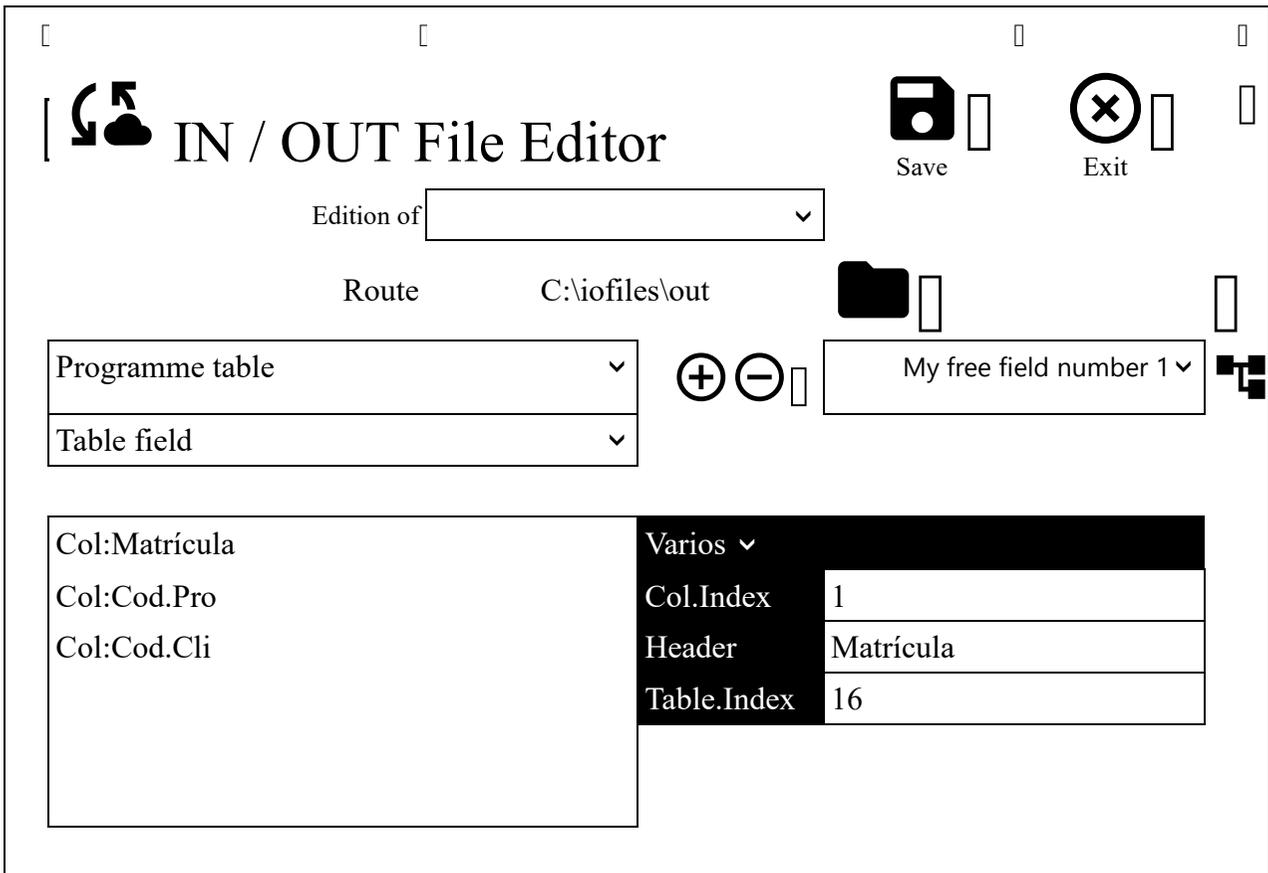
The fields in the file must be logical. As this is a first weighing, we must take the data from the different tables that we need as if we were choosing them for the first weighing. (We must not take data from tables such as "in transit", "second weighing" or "vehicle access" in the OUT1P files).

We strongly recommend that for OUT2P files you use only fields from the second weighing table (although fields from other tables can be used if necessary).

File configuration form.

The form is accessed via the Side Menu  Configuration /  IN-OUT FILE editor

The form looks as follows.



Col:Matrícula	Varios
Col:Cod.Pro	Col.Index 1
Col:Cod.Cli	Header Matrícula
	Table.Index 16

1. Choose the type of edition by means of the comboBox Edition of...
2. The input/output folder of Ruta must be chosen, for this purpose we will use the button .
3. Choose the table and field you want to add and click on , in case of files in there is also the possibility to add any free field by using the button  we can also define in which column the vehicle registration number is located.
4. The name of the header is changed to the user's liking.
5. Repeat steps 3 and 4 as many times as necessary. If you do not want any more columns in your file, click on the button .

Other options.

You must use the button  to delete an unwanted column.



To exit the form we must use the button . Caution: if you do not press  on the changes made have no effect. 



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