BUGASYS

Laundry in motion

BUSINESS MANAGEMENT, TRACEABILITY AND CONTROL PROGRAM FOR INDUSTRIAL LAUNDRIES

A tailor-made software for an evolving sector

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BUGASYS MANAGEMENT SYSTEM

The Bugasys industrial laundry management system includes all the necessary tools for the proper administration and control of the laundry: management of incoming laundry, production planning, order follow-up, shipping, invoicing, routes, presence control, traceability of the laundry or trolleys, etc.

The different versions and additional modules together with the ability to connect to external devices, such as scales and detection systems, make Bugasys a versatile and adaptable solution for all types of laundries.

Connection with devices

The Bugasys system can obtain production data both from the plant's machines (washing machines, dryers, folders...) and from the work carried out by the operators. The weight, units and consumption are saved or recorded by means of production input terminals or automatically to have a production control.

It is also possible to control the production and traceability through labels or automatically, without any operator manipulation.

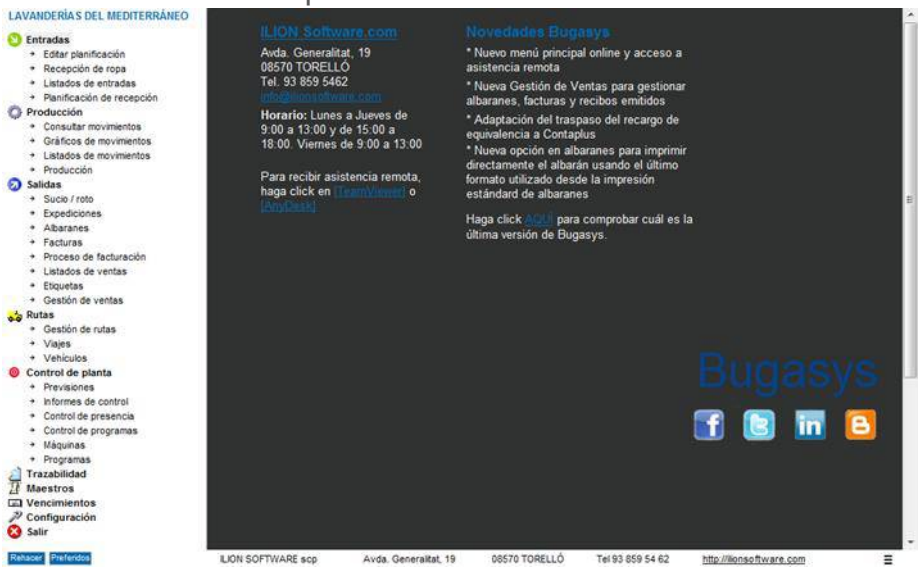
Each data entry point can be adjusted to filter products and, therefore, ease the operator's work.

Adaptable versions:
From the most basic solution to integral management
From the Base version, for the entry of master data, to the Plus version, which incorporates a complete management system (delivery notes, invoicing, remittance issue, 347, accounting link...). There are many possibilities.

In addition, modifications can be incorporated to adapt the product to the needs of each specific laundry.

Integral system with connection of the machinery to the system, taking of data in real time, transport of clothes to the dirty or clean area, consumption of gas, water, light, etc., management of all the packages in the shipping area, automatic unloading of the different machines in clean area, with an installation of belts or other equipment that can guarantee a perfect transport and clothes' management.

Perfectly ordered shipments with control and traceability of clothing lots and trolleys. Traceability of laundry flow inside and outside the laundry is provided with the delivery control from an APP, which is installed in the cell phones of each of the transporters.



THE ENVIRONMENT

Adaptability. Simplicity.

The permit system allows to assign the necessary level of access to the environment to each user.

Clean and clear screens. The selected theme determines the colors and font size.

The different configuration options, both in versions and in additional modules, are adapted to the management needs.

Bugasys is not a closed system. All sorts of changes regarding the interface and operation can be made until the right solution is found for each case.

The SQL Server database offers the utmost confidence in data integrity.

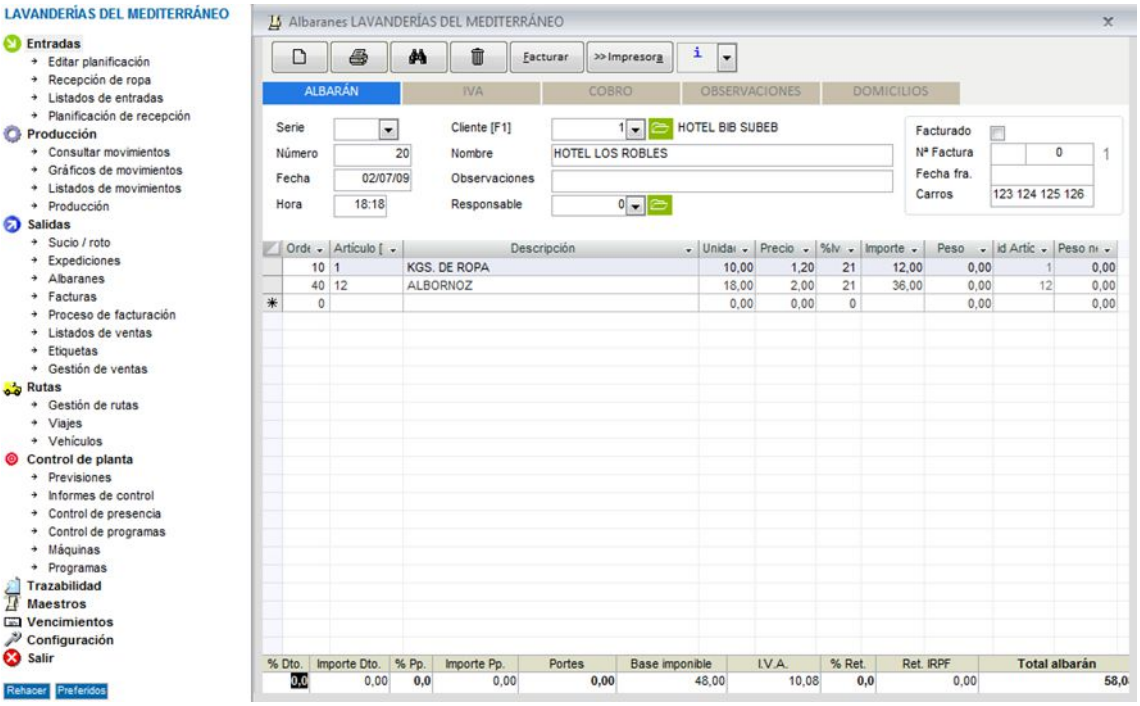
The link with Office allows analysis with spreadsheets and Power BI.

1. MODULE DELIVERY NOTES

It allows to provide delivery notes from the main POS itself or from any data entry point.

It is possible to install up to 10 data entry points that will send all the information to the system's main POS. There, the production manager will be able to gather all the entries in a single document.

The generated document can be exported to any computer system in order to proceed to its invoicing.

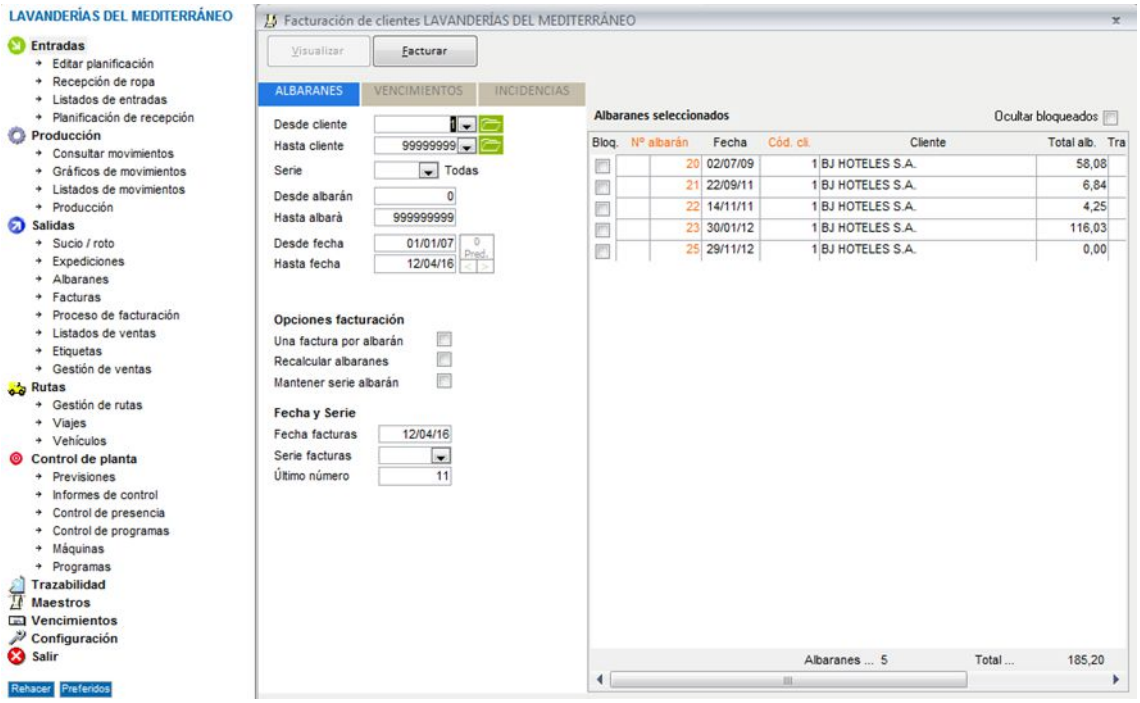


2. MODULE INVOICES

The invoicing is to be provided by collecting all the information introduced through the delivery notes.

The program allows to make the individual billing for each delivery note or for lots of delivery notes.

The document generated can be exported to any computer system to proceed with its accounting.



3. MODULE DATA ENTRY POINT

The data entry point can be either with POS or with FOOT, which includes touch screens and printers distributed in several points of the laundry.

3.1. MODULE POS

The fastest and most accurate way to generate delivery notes

Preparation of delivery notes:

- The interface is specially designed to facilitate data entry through a touch screen.
- The data displayed has been previously filtered by the customer master, so the families available for selection and the items within them are only those corresponding to each specific customer.
- Easy access buttons allow to generate delivery notes, print them once completed and quickly switch among the last delivery notes made.

- Packet capture inserts the already processed and labeled products on the delivery note once an automated production line is available

  The creation of the delivery note is achieved in two clicks!

3.2. MODULE FOOT-SYSTEM BASED

The system with foot is a more industrial concept which allows to install up to 10 points of data entry distributed across the laundry.

This system consists of a metal foot attached to the floor. It has an industrial touch terminal (no fans, no maintenance) and it is also possible that there is a label printer in each of the points as well as connection to the main PC.

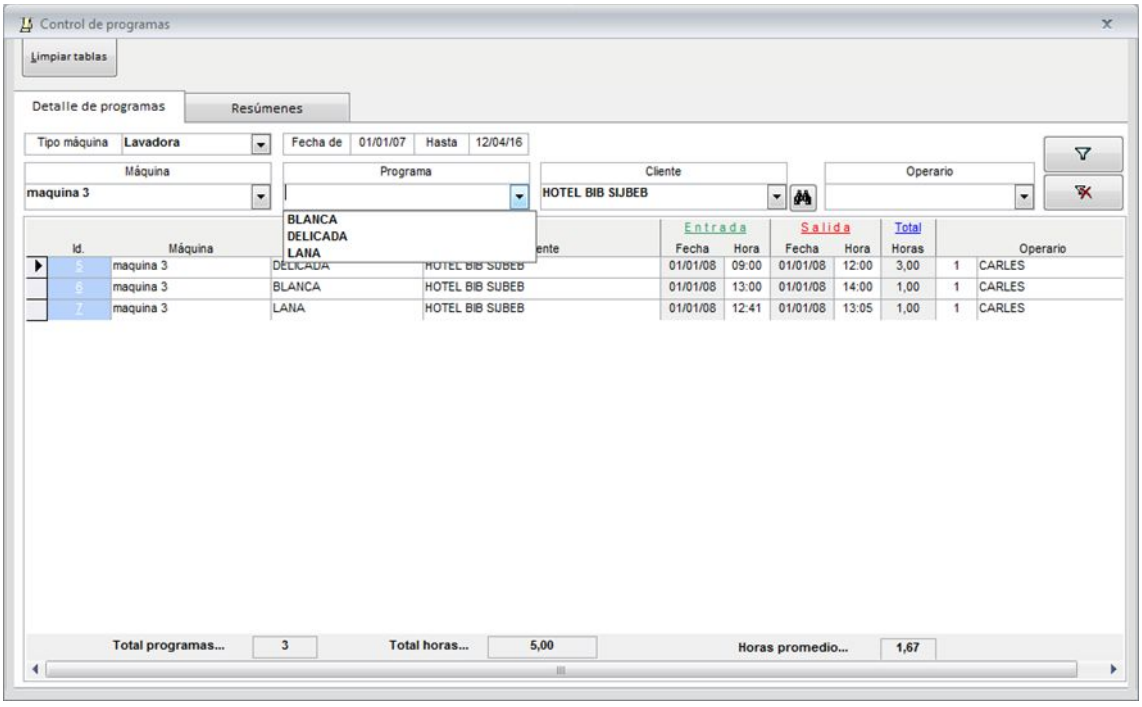
Integrated connections to the system with all internal wiring are provided. External sockets to connect any other equipment to the terminal are installed.

The customer reading as well as items with a barcode or a QR reader, weighing systems directly to the terminal, among others, can be read.

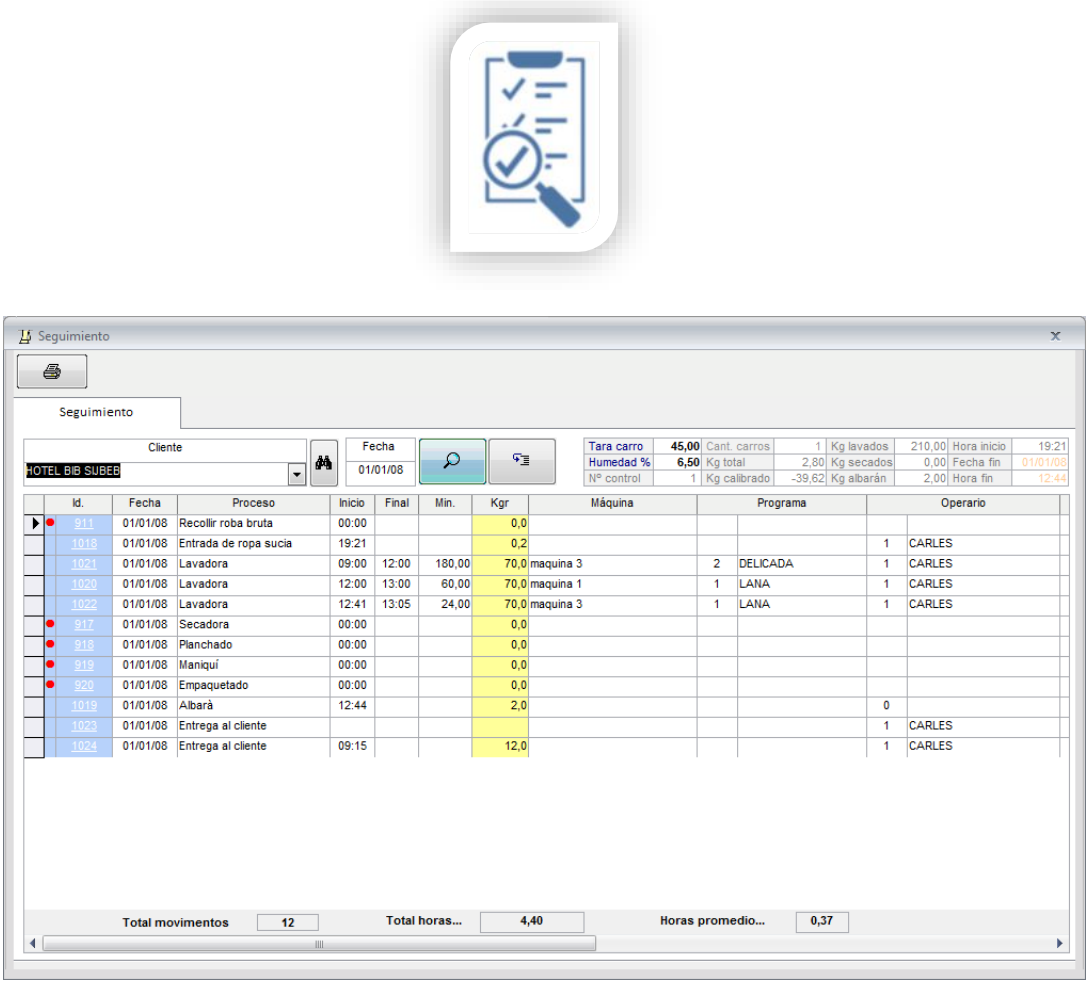
The entry points are managed from the main PC, in which the families, the items, etc., that are desired in each of the points will appear. After being perfectly filtered, each type of clothes will appear in them accordingly.

A system of messages between the shipping area and each terminal is also available. It allows the dialogue among employees without having to leave their workplace.

Extensible belts can be activated from the terminal, if installed. They introduce the clothes to the system, in case it is automatic, or are used when it comes to automatic unloading.



4. MODULE TRACEABILITY



Follow-up report Hotel BIB

4.1. MODULE LAUNDRY ENTRANCE

The entry point allows the registration of the customer, number or kilos of laundry arriving, the arrival's day and time, the carrier who collected it and the vehicle used, as well as the traceability of the trolleys if numbered or coded.

There is also the possibility of counting the clothes individually by taking the data from a SELECT counting machine or reading the data through a bar code reader or RFID.

4.2. MODULE WEIGHT CONTROL

The system is prepared to incorporate weight controls at different points of the laundry.

In order to control the kilos of clothes that arrive from each customer, there is an entrance terminal where the laundry is received, the client number is introduced and the weight control is connected to the terminal. The terminal registers the weight of the load at the entrance module and, if there is also cart control, the system registers that the cart has arrived and subtracts its tare.

It is also possible to control the output weight in the shipping area. With a terminal connected to the system, the trolley loaded with clothes is weighed and the weight is registered in the delivery note system.

4.3. MODULE BARCODE SCANNER

The barcode scanner can be installed for different functions:

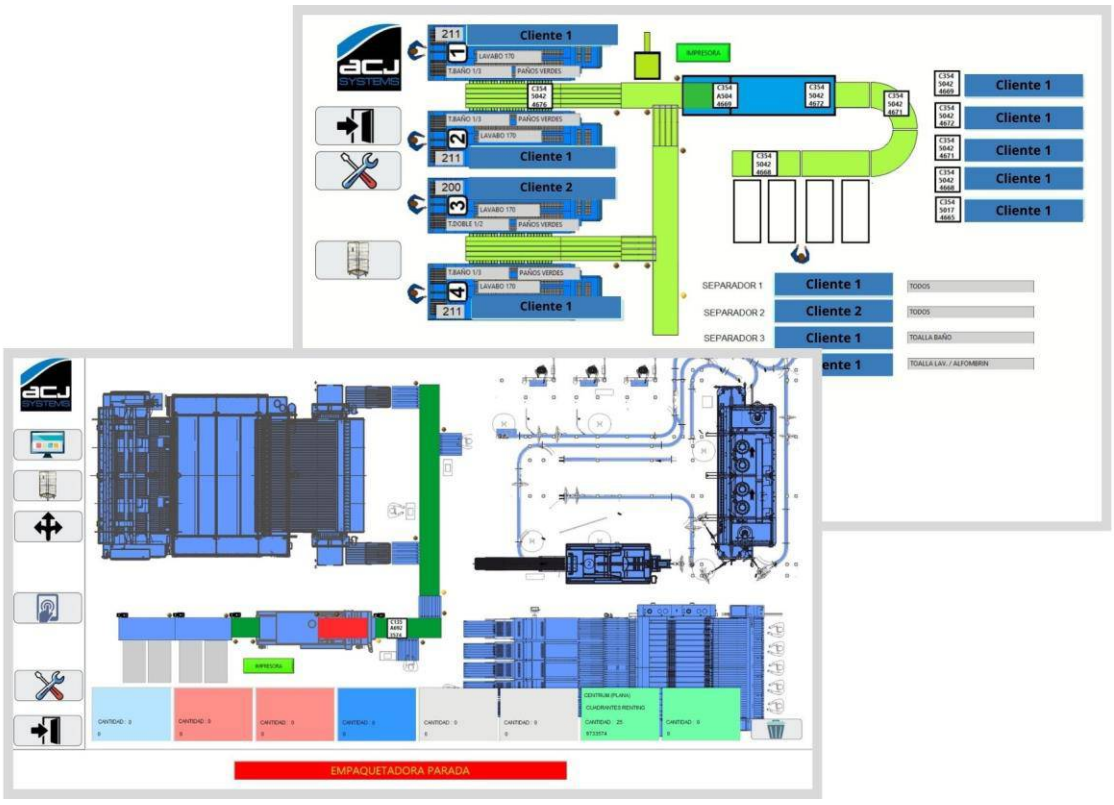
It is to be found at the laundry entrance, to control the garments that are marked with this system as well as to control the carts that are also numbered with this type of code.

There is the possibility of installing a barcode scanner at the exit of the cart disinfection booth, which allows to control the carts that have already been disinfected and to guarantee the traceability of the cart inside the laundry.

It can also be installed in the shipping area, to control the movement of clothes or trolleys at the exit of the laundry and to have a control of where the trolleys are being sent and whether they have returned to the laundry.

4.4. MODULE IN-PLANT FOLLOW-UP

In the washing area, be it with a tunnel, washing machines or calender-folding machines, it is possible to track in real time which machine the clothes are in, the timing of the different processes (e.g. washing; start time - end time), and the moment the terminals in the cleaning area start sending information or packages to the shipment area. The data is taken in order to monitor in which calender or folder machine the clothes are being treated.



4.5. MODULE SHIPMENTS

A record of the customers, amount and time at which each customer's clothing arrives at the shipping area is made.

It is possible to track the carts that arrive at the shipping area. For example, if required by the customer, it can be indicated whether they have gone through the disinfection process.

It can be determined which clothing packages go into each cart with the shipment reader. A label per cart can be printed, which indicates its content; this way, the search for different items within the same customer's cart at the destination is easier. The system is also useful to control the clothes that are going to be invoiced.

Providing that there is a belt system, an automatic scanner can be installed so that the traceability of the packages can be verified and errors in the plant personnel can be avoided.

4.6. MODULE DISTRIBUTION

➔ Routes

When using the phone's APP, it tells each deliverer which vehicle to use and the route to take.

Some specific cars are assigned to this route with the corresponding license plates.

➔ Trucks (GPS)

The APP indicates the delivery-collection order of each customer to the carrier, the best route to arrive and the estimated time that should be respected.

➔ Carts

The transporter reads the bar code on each of the cars with the cell phone. This way, the traceability of each cart is guaranteed and it can also be read which carts are collected with dirty clothes.

➔ Inventory of Carts

With the same APP an inventory of clothes and carts of each customer can be created to pass on data to the central PC if the cell phone has connection to Internet.

Otherwise, the data will be downloaded once the deliverer arrives at the plant.

Route control program android system

- Compatible with Android
- After login, "select driver" selects the route and the vehicle.
- After the selection, the route is loaded chronologically and the initial time of the mileage is taken.
- The deliverer writes down the customers he has delivered the product to and the data is sent to the laundry immediately.
- Changes can be made from the laundry, if necessary.
- When there is a change, the APP notifies the deliverer.
- At the end of the route, the final time and the mileage are recorded.

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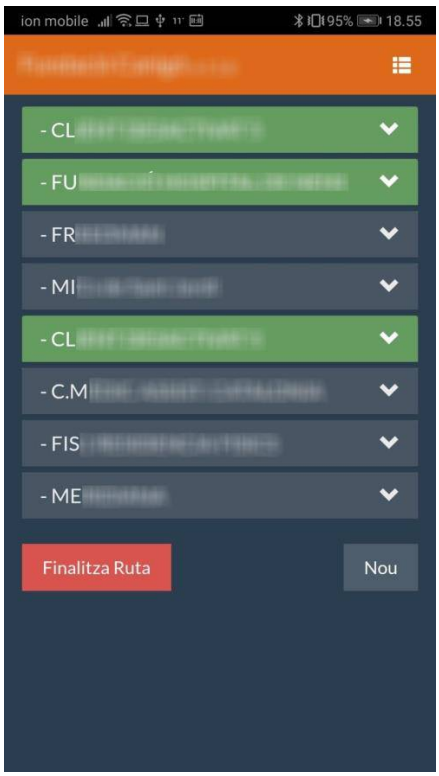
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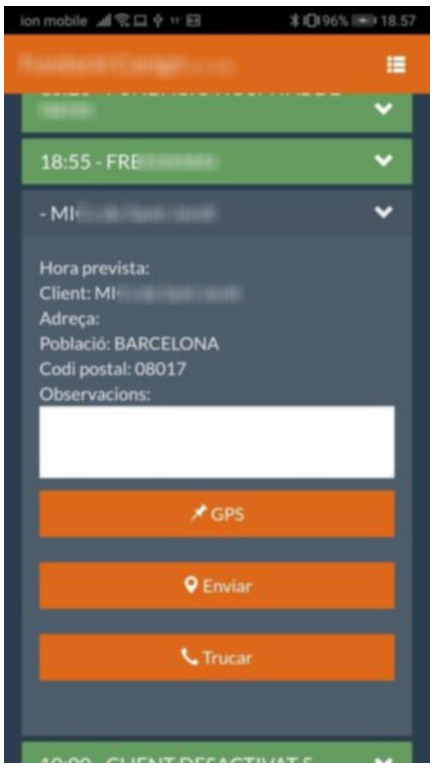
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5. MODULE COSTUMER ORDERS VIA WEBSITE

This module allows customers to order a clothes delivery from the laundry by means of a website. They just need to log in and order it for the following day or even for a whole week. This way, the next day, the laundry already knows which amount of each type of clothes has to be delivered to a specific hotel or hospital. That being the case, it is also known which amount of clothes from the same customer is to be provided in different areas.

ORDERS THROUGH TEMPLATES

It is a system to create order templates and generate weekly orders with the templates. It is the simplest tool for the customer to complete his order without mistakes.

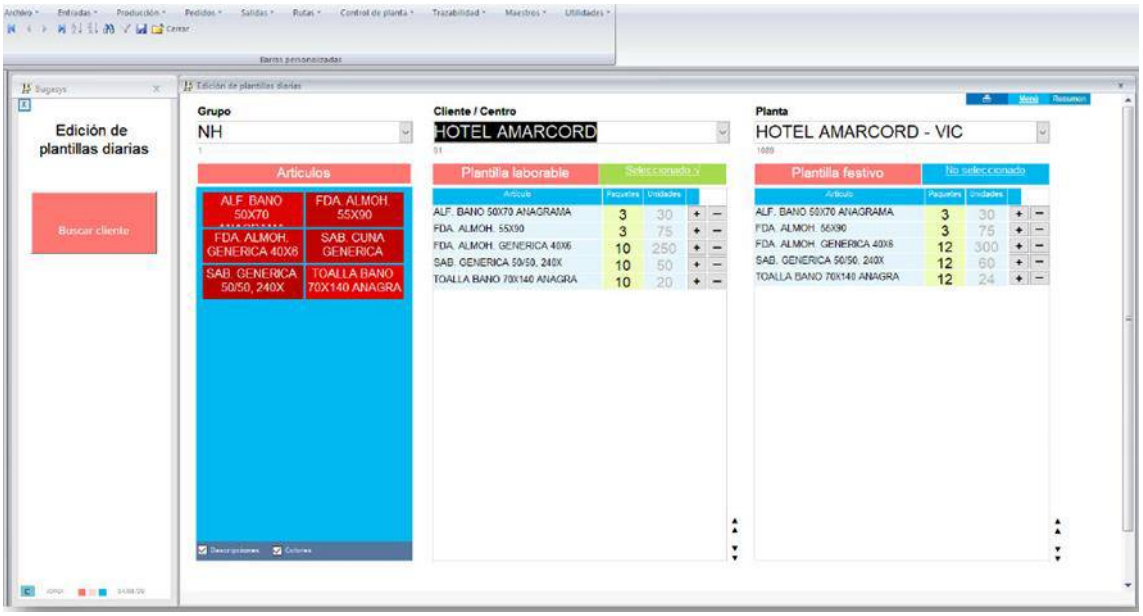
→ The system will filter the costumer's items, the plant or the center, avoiding mistakes. Only the items used in each case will appear.

→ Adapted to the use of keyboard/mouse as well as touch screen

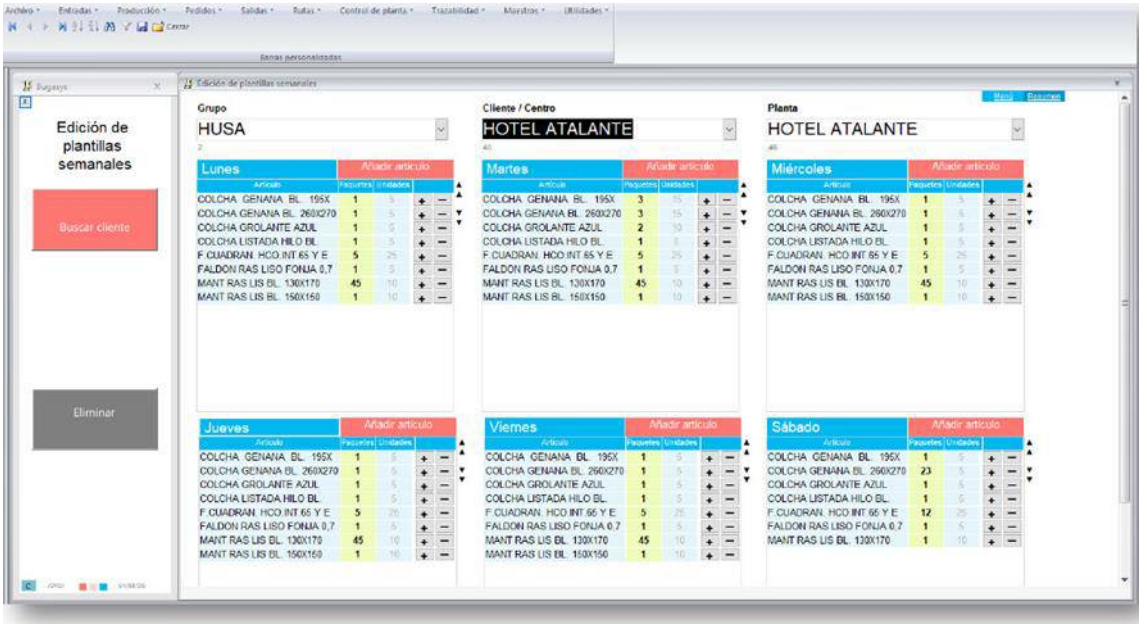
→ Integrated to the Bugasys system: customers' management, items, filter of items per customer, routes…

→ The plant will be able to organize the production better according to the incoming orders, without calling all the customers.

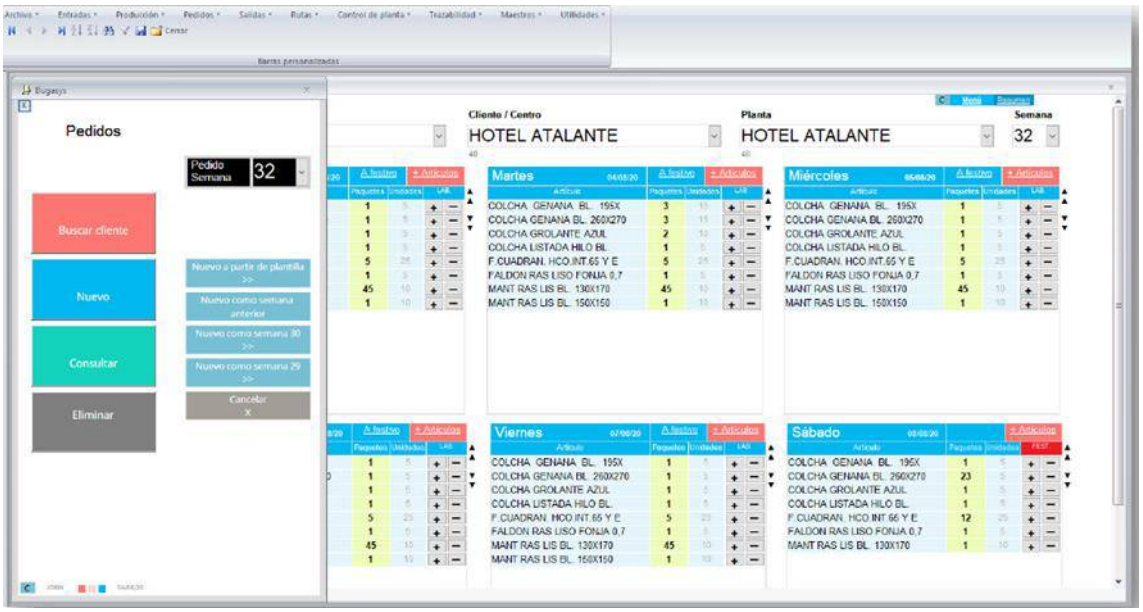
DAILY TEMPLATES EDITING



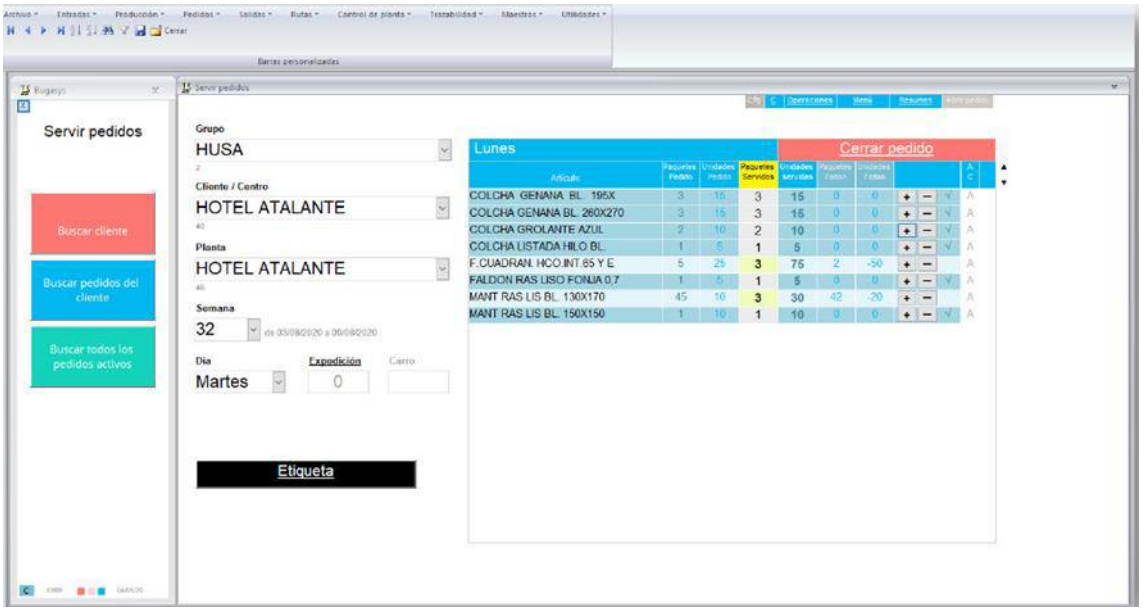
WEEKLY TEMPLATES EDITING



WEEKLY ORDERS THROUGH TEMPLATES



ORDER DELIVERY



6. MODULE SERVER EQUIPMENT
(For the shipping area and delivery note closure)

Intel Xeon Processor E3-1225v6 4C/4T 3.30 GHz
Memory 8GB (1x8GB) 1Rx8 DDR4-2400 U ECC
HDD / Bay Capacity HD SATA 6G 1TB 7.2K NO HOT PL 3.5 ECO x 2

OPERATING SYSTEM: WINDOWS SERVER 2012

17" touch terminal with mouse and keyboard
Brother Labeler

7. MODULE INSTALLATION, COMMISSIONING AND TRAINING

Scheduled training hours on site: 16h.
Travel and daily allowance included (2 days)

8. MODULE MAINTENANCE CONTRACT

Minimum contract for 1 year.

Standard program updates and telephone technical support service included (annual fee).

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