MP software

MP version 10
Completely redesigned

Know its scopes, advantages
and characteristics
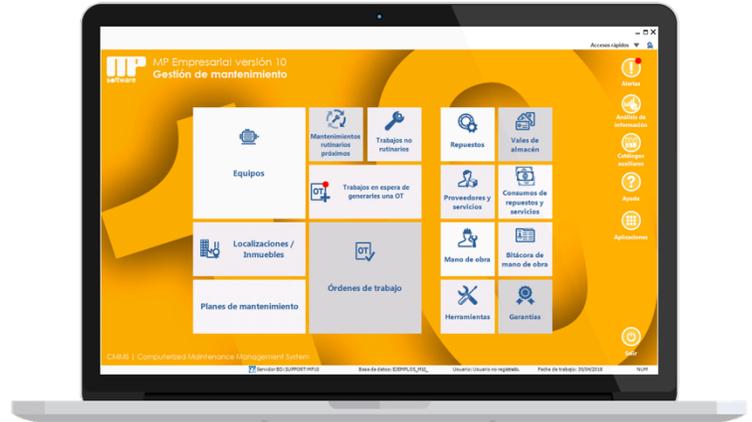
	Professional	Enterprise
Functionality and Tools of the interface		
Completely redesigned interface We have improved the navigation experience with the new Menu and Submenu that make the MP much more intuitive and easy to operate compared with previous versions.	✔	✔
Information panel An extremely useful unfold information panel is incorporated in version 10 to quickly consult and have available all the information of the selected equipment or registry all the time. For example, select a piece of equipment and when you open the information panel, you will have all the information about it, such as its images, documents, spare parts, maintenance plan, work carried out, measurements outside or close to limits, reading of usage, technical specifications, expired warranties, etc.	✔	✔
Alerts Module The alerts module keeps you informed about all those relevant aspects of your maintenance management that you must attend to. Depending on the alert topic that you want to solve, from there you can go to the corresponding module of the MP to carry out what is appropriate in each case, in order to keep your maintenance management without delays and operating efficiently. The alerts module is a new way of navigating the program starting from the topics that present alerts and that the MP suggests you attend.	✔	✔
Advanced Filter function When you handle large volumes of information, having advanced filter tools is a very important added value in your maintenance management. In MP version 10 a new advanced filter has been incorporated that allows you to quickly and easily find any information you need to consult.	✔	✔
Group function The Group function allows grouping the content of the information grid, giving great flexibility to organize the information that the user sees on the screen.	✔	✔

Feature		
Export info to PDF or Excel file All the data that you see in the information grid can be exported to a PDF or Excel file.		✔
Sort function The Sort function allows the user to sort the content of the columns of the information grid in alphanumeric order.	✔	✔
Configurable information meshes The versatility of the MP also allows you to configure the view of the information meshes, adding or removing columns, changing their position or adjusting their width. This is extremely useful for presenting the information that the user wants to see.	✔	✔
Printing "What you configure on screen is what you print" The versatility of the MP allows you to configure the view of the information meshes. Add and remove columns, move columns, group information, sort information in ascending or descending alphanumeric form, set filters, etc..	✔	✔
Option to print description, department and company logo on predesigned reports	✔	✔
Option to print an Review and ISO key on predesigned reports	✔	✔
Shortcuts To make program operation even easier, the MP has quick access functions that allow you to go to the most common modules from anywhere with the press of a function key.	✔	✔
Autocomplete function When typing, a drop-down list appears showing matches related to previously captured information.	✔	✔
Configuration of users and permissions to execute various functions The MP allows you to establish the authorized users to access the program(s), as well as define permissions regarding the functions that each one of them will be able to execute.	✔	✔
"One click installer" (Goodbye to the hasp key) In MP version 10 the installation and update process is much simpler, more reliable and hassle-free. In MP version 10 there is no longer a need to install drivers and dlls, there is no longer a need to install the physical and / or virtual Hasp padlock from previous versions.	✔	✔

Assets

Feature		
Equipments / Assets Catalog Document in the MP all the information of your assets such as technical data, maintenance plans, spare parts, supplier data, images, plans, diagrams, location, etc..	✔	✔
Tool for multiple edition of the equipment catalog The Edit Selection or Multiple Editing tool allows you to modify the information of the selected equipments in a mesh, thus achieving a much faster and easier editing of multiple records, compared to one by one editing.	✔	✔
Equipment documentation with images, attachments, videos and notes Version 10 includes a new image viewer and auxiliary catalogs have been redesigned for better organization of images and attachments grouped by folders.	✔	✔
Custom fields to capture technical specifications The MP allows you to create custom capture fields to document the technical specifications of the equipment.	✔	✔
Documentation of the spare parts used by each equipment The MP allows you to document the spare parts used by each equipment. In previous versions, the association of spare parts was always done by associating the spare parts to the activities of the equipment maintenance plan. MP version 10 now allows you to associate spare parts directly with equipment or with maintenance activities where they are used. From the spare parts inventory you will also be able to cross-check the equipment (s) that use a specific spare part.	✔	✔
Long descriptions of the equipments up to 255 characters	✔	✔
Tool to automatically serialize the code or ID of a selection of equipment	✔	✔

Export of equipment from the catalog to libraries It allows exporting a selection of equipment together with all its documentation to a library.		✔
Importing equipment from a library to the equipment catalog It allows importing the equipment from a library to the MP.		✔
Custom configuration of edit fields The versatility of the MP allows you to configure the label of the equipment editing fields to suit the needs of each user. Even the user can determine which fields they want to be mandatory and enable or disable edit fields.	✔	✔
Presentation of custom fields in the catalog list MP version 10 now allows you to view the custom fields or technical specifications of several units of the same type in the form of columns in a table.	✔	✔
Import data from other sources to the equipment catalog This tool allows you to import information from other databases, thus avoiding the need to recapture information that is already captured in some other file. The import utility allows you to import information from an Excel file, Dbase, Access, etc. You can also import the information directly from a version prior to MP version 10.	✔	✔
Locations		
Locations catalog The locations catalog will allow you to document the location of all your equipments. The locations created, in addition to constituting the physical location of the equipment, may be linked to a maintenance plan and be subject to routine and non-routine maintenance.	✔	✔
Tree of locations, parent equipments and child equipments The tree structure of the location catalog allows you to set filters to locate the equipment at any level of the tree. In MP version 10, the visualization of parent equipments and child equipments within the tree is incorporated into the location tree, allowing a complete overview of all the company's assets and their respective locations to be viewed. Use the drag and drop tool to arrange and move equipment to a different location.		✔
Geolocation of properties and equipments on Google Maps The MP allows specifying the geolocation of equipment and properties, indicating the street, avenue, postal code, city, coordinates, etc. with the help of a Google® map.	✔	✔
Automatic acquisition of the geographical location obtaining the data directly from GPS devices The MP allows you to create a link with GPS devices to acquire important data from the equipment to which it is connected. One of these data is the geographical location that can be consulted at any time from the information panel.		✔
Search tool and location selector structured by levels When the tree of locations grows, having tools that allow you to go directly to the information you want to consult is important. A new search tool and selector are incorporated in version 10 that allows you to locate and move within the location tree more easily, regardless of the size of the tree.	✔	✔
Documentation of locations with images, attachments, videos and notes MP version 10 includes a new image viewer and auxiliary catalogs have been redesigned for better organization of images and attachments grouped by folders.	✔	✔
Exporting the catalog of locations to libraries It allows to export the catalog of locations together with all its documentation to a library.		✔
Importing a library's catalog of locations It allows importing the catalog of locations from a library to the MP.		✔

Routinary maintenance

Feature	Col1	Col2
Plans or maintenance routines Document your maintenance plans or routines with information regarding the routine maintenance activities that must be performed on the equipment, as well as the frequency with which each activity must be performed.	✔	✔
Actividades de mantenimiento controladas por fechas o lecturas, lo que suceda primero In date-based maintenance activities, the frequency with which the activity must be performed is set based on the elapsed time. (Example, daily, every week, every 15 days, every 3 months, every 2 years, etc.) In maintenance activities based on readings, the frequency with which the activity must be performed is established based on the use of the equipment. (Example, kilometers traveled, hours of use, units produced, number of ignitions, cycles, etc.) In previous versions, the MP allowed to create mixed maintenance plans, that is, controlled by time and a reading. Now version 10 allows you to create maintenance plans controlled by time and several readings in the same plan.	✔	✔
Updating and automatic rescheduling of maintenance jobs When the user reports to the MP about some routine maintenance work performed, the MP automatically generates the next date for when such work must be done again.	✔	✔
Activities that involve taking a measurement (eg temperature, amperage, vibration, etc.) There are maintenance jobs that involve taking a measurement, such as measuring temperature, vibration, wear, etc. Document in the MP the value of the measurements you make to your equipments. The MP graphs these measurements and keeps you informed about all those equipment with measurements outside or close to limits.	✔	✔
Alert about equipment with measurements outside or close to limits The MP keeps you informed about all those equipment with measurements outside or close to limits. (Eg temperature, amperage, vibration, etc.)	✔	✔
Capture of measurements through the MPmobile App MPmobile is an application specially designed for maintenance technicians in the field, which allows the recording of equipment measurements in the MP, capturing them from any mobile device.	✔	✔
Automatic acquisition of measurements obtaining data directly from GPS devices		✔
Automatic acquisition of measurements directly from external sources		✔
Tool for multiple edition of maintenance plan activities The multiple editing tool allows you to edit the activities that make up a maintenance plan on a mesh, thus achieving a much faster and easier editing of multiple records, compared to individual editing.	✔	✔
Consultation of upcoming routine maintenance The date of the next maintenance is calculated by the MP based on the date of the last maintenance that we have registered and the frequency with which activity must be performed. In the Upcoming routine maintenance module you can check the dates or readings of the next maintenance of all the equipment or locations linked to a maintenance plan.	✔	✔
Export of maintenance plans to libraries The MP allows exporting maintenance plans to a library. This option is useful for example to exchange maintenance plans between different users.		✔
Importing maintenance plans from a library The MP allows importing maintenance plans from a library. This option is useful for example to exchange maintenance plans between different users.		✔
Option to force the scheduling of activities to fixed dates If you do not want the dates of the next maintenance to be out of date or due to delays or advances in the completion of activities, use the Fixed Dates tool to indicate that you want to force them to take place on a certain fixed day. (Ex. The first Tuesday of every month, etc.)	✔	✔

Feature		
Option to force the schedule of activities controlled by readings to exact multiples In the case of activities controlled by the reading regime, if you do not want the readings in which these activities must be carried out to be out of phase due to delays or advances in their performance, optionally the MP allows forcing their programming in exact multiples. (Ex, at 5,000 km, 10,000 km, 15,000 km, etc.)	✔	✔
Control and ease when registering initial maintenances When we start scheduling routine maintenance of a piece of equipment, the system does not have a record of the last maintenance performed, which leads us to the need to manually indicate the date of the last known maintenance. The MP includes a whole module to facilitate the registration and control of initial maintenance, also alerting about all those equipments that do not have their initial maintenance checked or confirmed by the user, thus guaranteeing that the automatic maintenance programming will start or start from truthful information about the last maintenance that is known, or failing that, about a date for the first maintenance, reviewed by the user.	✔	✔
Tool for temporarily taking equipment out of service The MP allows the temporary suspension of the routine maintenance work schedule for the out of service equipment and locations.	✔	✔
Documentation of activities with images, attachments, videos, notes, procedures and security requirements.	✔	✔
Documentation of the necessary resources to carry out each activity The association of the resources to the activities consists of documenting for each one of the routine maintenance activities of the equipment, the material resources (spare parts and consumables), the specialty of the workforce, external services and tools necessary to carry them out. By documenting the spare parts and consumables associated with each activity, we will be able to generate warehouse vouchers automatically at the time and request them from the warehouseman in a timely manner.	✔	✔

Maintenance calendars

Feature		
Maintenance schedule This report presents a monthly calendar in which the days in which there are activities to be carried out in the month are marked, including routine and non-routine activities. By clicking with the mouse pointer on a marked date, we can consult the list of activities scheduled to take place on that day.	✔	✔
Detailed maintenance board The detailed maintenance dashboard shows the details of all the activities scheduled in a period of time determined by the user, grouped by equipment or location.	✔	✔
Scheduled shutdown board When we generate the routine maintenance plan for a piece of equipment or when we record a non-routine maintenance job, we indicate whether the job requires shutdown of the equipment and, where appropriate, the shutdown days required to perform it. In the schedule of scheduled shutdowns, the MP shows the equipment that will require shutdown and the estimated shutdown days for maintenance work.		✔
Planner Use the drag and drop tool to skip ahead and snooze maintenance activities on the detailed maintenance dashboard with surprising ease.		✔
Business and non-business days settings The MP allows you to configure the working days of the week and holidays so that when maintenance jobs coincide with non-working days, the program will transfer the work to the next working day.	✔	✔
Explanatory information panel about the calculations made Do you have questions about how the MP obtained the date of the next maintenance? In the information panel you will find the detail of the specific calculation and all the adjustments that the MP has considered for holidays, fixed dates, activities advanced or postponed manually by the user, the case of mixed frequencies with dates and readings, etc.	✔	✔
Option to document comments on any routine work performed By updating or indicating that a routine work was carried out, the MP allows the user to document all the comments or observations that they consider pertinent regarding the work carried out or the conditions of the equipment in general.	✔	✔
Option to generate a non-routine or corrective work request as a result of a routine inspection By updating or indicating that a routine work was performed, the MP allows the user to generate at that time a request for non-routine or corrective work if the maintainer reports the need or convenience of it.	✔	✔

Control of usage readings (e.g. km, miles, hours of use, manufactured parts, etc.)

Usage readings log When the maintenance plan of an equipment contains activities controlled by readings, it is necessary for the user to constantly update the equipment usage reading in the MP. By doing so, you will be reporting to the MP about the use of the equipment, so that the MP will be able to notify when the time comes to carry out the different jobs that are under the modality or regime of readings.	✔	✔
Capture of usage readings through the MPmobile App MPmobile is an application specially designed for maintenance technicians in the field, which allows the use of equipment to be recorded in the MP, capturing them from any mobile device.	✔	✔
Automatic acquisition of usage readings directly from external sources		✔
Automatic acquisition of usage readings directly from GPS devices		✔
Validation of readings at the time of recording At the time of recording the readings of the equipment, the MP validates that the value being captured is correct and if not, it issues an alert.	✔	✔
Automatic calculation of average monthly usage	✔	✔
Tool to reset or replace the reading counter Devices that mark the use of a computer may restart when reaching their maximum reading. As an example we can mention the odometer of a car that when reaching 99,999 km automatically restarts and starts again from zero. In practice, it also happens that, for some reason, we need to replace the counter, either with a new one or a used one that already marks a reading. The MP considers both situations that may arise.	✔	✔
Reading vs. Time graph	✔	✔
Average monthly usage vs. Time graph	✔	✔
Alert of readings to be updated	✔	✔

Non-routine maintenance (Corrective)

Registration and monitoring of non-routine work by event (Failures) The MP also allows recording and monitoring of all types of non-routine work that is carried out occasionally, for example failures. By recording a failure, the MP allows you to document a large amount of information regarding the failure, which will help you over time to analyze the most recurring failures and their root causes.	✔	✔
Report maintenance requests Maintenance requests can be reported using the desktop application from a personal computer or using the requests app for mobile devices. The maintenance requests that are reported go directly to the maintenance personnel who may choose to generate the corresponding work order or discard said request. On the other hand, people who make a request will be able to check the status of their request, that is, if their request has already been read, scheduled date to carry out the work, if the work has already been done, etc.		✔

Feature		
Automatic generation of maintenance requests when any measurement of the equipment is out or close to limits If at the time of recording a measurement (e.g. temperature, amperage, vibration, wear, etc.) it is outside or close to limits, the MP issues an alert, allowing you to automatically generate a maintenance request for that the equipment be taken care of.	✔	✔
Documentation with pictures of how the equipment or location was before and after the repair When registering a non-routine work (e.g. failures), the MP allows you to document images of how the equipment or location was before carrying out the work. Once the work is done, you can document with images how the equipment or location was after the work was done.	✔	✔
Documentation of the type of failure and root cause When reporting that a fault has been repaired, the MP allows documenting the type of fault and its root cause. This information will later allow you to generate interesting graphs to analyze the types of equipment that present the most failures, their types of failure and the root causes of the failures. All this for the analysis aimed at reducing failures starting from the most recurrent ones. For ease, MP version 10 includes a preloaded catalog of equipment types, failure types, and root causes of failure.	✔	✔
Documentation of the time invested, start time, procedure performed, responsible, impact of the damage, observations, security requirements, etc. The MP allows you to document all the information you need to make any maintenance work you carry out perfectly well documented.	✔	✔
Unlimited users to report maintenance requests The number of users who can report maintenance requests is unlimited.		✔
Share your maintenance requests via whatsapp, facebook, text message, e-mail, etc. Every time someone reports a maintenance request from their mobile device, they can share it to the desired contacts via whatsapp, facebook, email, text message, etc. If the request is reported from the desktop application, you can optionally send a notification to the people involved via email.		✔
Tool to report and reschedule routine maintenance work as a result of having carried out a corrective work. When you carry out a corrective work for example, many times the repair carried out implies a reprogramming of various routine maintenance works that are carried out as a result of the intervention of the equipment to repair the fault. The MP considers this situation and allows you to solve it directly as part of the process when you report that the work has already been done, rescheduling the corresponding planned maintenance work.	✔	✔

Work orders (WOs)

Feature		
Generation of work orders An important improvement in MP version 10 can be found in the work order generation process, which is now much more versatile, intuitive and easy, with different routes or paths from which you can generate your work orders.	✔	✔
Work order management and tracking To each work order that the user generates, the MP assigns a consecutive folio number for its control. In this new completely redesigned module you will have full control of the work orders generated. Once your work orders have been generated, in this module you will be able to consult, print, update the work carried out and close your completed work orders. In addition, you can assign the person in charge and register the spare parts, consumables and external services that you have used.	✔	✔
Check your work orders and update the activities carried out from the MPmobile App Check your work orders and update the activities carried out. - Scan the QR code of the equipment to check the maintenance activities pending. - Check the work orders and activities that you have assigned. - Document the activities carried out with images of before and after maintenance work. - Send the MP the date you carried out the activities. Requires the use of MySQL, SQL Server, MariaDB databases or the MPcloud service.	✔	✔

Workload balancing when generating work orders In the Workforce module we can register a workforce catalog where the name and specialty of all maintenance personnel are registered, including those responsible. When we assign a manager to one or more work orders, the MP totals the estimated time to perform the jobs contained in each work order and accumulates it to the assigned manager. The above allows to know graphically the distribution of the duration of the work orders assigned to the personnel, helping the maintenance administrator to balance the workloads. In the same way, we will be able to know the number of open WOs assigned to each of them at the time of assigning the jobs.		✔
Grouping of child equipments in the same work order as their parent equipment When generating a work order for a parent equipment, the MP also considers the activities that must be carried out on the child equipments to be included in the WO together with their parent equipment.	✔	✔
Tool to advance or postpone scheduled activities The MP allows you to manually advance or postpone the upcoming maintenance dates calculated by the system. When this happens, it is recorded in the system that the user manually modified the scheduled date and leaves the possibility that the person who has advanced or postponed it, document the reason why he did it, such as failure to release the equipment due to production, lack of spare parts, etc..	✔	✔
Option to view and include upcoming activities for the next period in the work order Sometimes it is practical to be able to view activities for the next period and in the opinion of the maintenance administrator, take advantage of it to include them in the WO that is being generated; all with the purpose of extending the availability of the equipment and avoiding a new intervention in a short term. (Optional at the discretion of the maintenance administrator)	✔	✔
Option to include multiple equipments in the same work order The versatility of the MP allows optionally to include several equipments or locations in the same work order.	✔	✔
Option to update works done outside the period MP version 10 includes the possibility of updating works carried out outside the WO period, an option that previous versions did not contemplate.	✔	✔
User configurable printed work order In configuration options, the user defines the content they want to present in their work orders. In version 10 the format of the printed work order was redesigned, resulting in a more concentrated work order with the consequent reduction of paper.	✔	✔
Control of copies of printed work orders When printing a copy of an work order, the MP stamps a watermark indicating that it is a copy. This is important to avoid the possibility of jobs being duplicated due to lack of control over WO copies.	✔	✔
Advanced search tool in the work orders list Search by content in the list of work orders, whether you want to find a equipment, an activity, a part of a equipment, a classification, priority, etc.	✔	✔
Printing of formats attached to the work orders Print the forms for recording the hours of labor employed in each job and resources used.	✔	✔
Inventory of spare parts and consumables		
Completely redesigned interface	✔	✔
Catalog of spare parts and consumables The Inventory of Spare Parts and Consumables allows you to efficiently control the stock of materials and spare parts, entry and exit movements, kardex, inventory valuation by different methods, calculating the supply, suppliers, purchases, etc .; and it is in this program where the Catalog of Spare Parts and Consumables is captured.	✔	✔
Multi-warehouses The option of managing several warehouses (Multi-warehouses) is very useful for those companies that have products located in more than one warehouse. When the Multi-warehouses option is activated, the program allows you to make transfers between warehouses, check the stock of a product in each of the warehouses, value inventory by warehouse and in a consolidated way.		✔

Feature		
Movements of inputs and outputs of spare parts, transfers between warehouses, adjustment for physical inventory, etc. The entry and exit of products to the warehouse is done through foliated documents. Every time a new entry or exit document is registered, the program adds a consecutive folio number to said document that can be tracked and consulted at any time.	✔	✔
Stock control by warehouse Check the existence of spare parts and consumables by warehouse or in a consolidated way.	✔	✔
Multiple editing tool for opening stocks, locations and inventory levels. The multiple editing tool allows you to edit the information of several spare parts in a mesh, speeding up the implementation of the spare parts inventory.	✔	✔
Automatic calculation of rotation and minimum, optimum and maximum levels The MP allows calculating the rotation of spare parts and consumables based on the movements out of the warehouse in a period of time determined by the user. Now, based on the calculated daily turnover, the program also allows to automatically calculate the minimum necessary, optimal and maximum stocks to cover the requirements of spare parts and consumables for the number of days determined by the user.	✔	✔
Warehouse vouchers From the MP it is possible to generate the warehouse vouchers with the spare parts and consumables that will be used for the execution of the work orders. Warehouse vouchers can be generated manually or automatically. When resources are associated with routine maintenance activities, vouchers can be generated automatically. Hence one of the advantages of having resources associated with routine activities. When maintenance personnel go to the warehouse to request the materials contained in the voucher, it is sufficient to mention the voucher's folio number to the warehouseman. In the Inventory of Parts and Consumables program, the storekeeper will find the vouchers generated in the MP, so that by simply selecting the folio number of the voucher, the storekeeper can automatically load the materials contained in the voucher and generate the corresponding outbound movement, without the need to recapture the information.	✔	✔
Inventory valuation by different methods (Average cost, LIFO and FIFO) The program allows you to value the Inventory by any of the following methods: 1. FIFO 2. LIFO 3. MONETARY OR REPLACEMENT PRICE 4. WEIGHTED AVERAGE When the Multi-warehouses option is activated, it is possible to calculate the value of each of the warehouses independently or on a consolidated basis.	✔	✔
Resource flow The MP calculates the spare parts to be used in the following weeks, months or years considering the resources assigned to maintenance activities and the dates scheduled to be carried out. In the resource flow you will be able to check the number of spare parts needed and obtain a budget based on the scheduled maintenance activities.	✔	✔
Graphic indicator of coverage A graphical indicator shows you the months of coverage you have for each product. The coverage calculation is made based on your stock and the rotation or flow of resources of the spare parts assigned to maintenance activities. In this way, you will have the coverage calculation accurately depending on your needs.	✔	✔
Printing of labels in barcode format to label all products upon entering the warehouse		✔
MP link with the Spare Parts Inventory included or with an external inventory system The spare parts and consumables warehouse is controlled independently of maintenance. The storekeeper in charge of the warehouse will not have to enter the MP to access the Inventory. Notwithstanding the foregoing, maintenance personnel need to consult the MP for stocks, costs, equivalent brands, product specifications, etc. for organizing your work. From the MP, the user can link to the Inventory database to check stocks and costs of the different spare parts and consumables, automatically generate material exit vouchers and determine the spare parts and consumables necessary to carry out the different activities. Now, if you wish to use another inventory system external to the MP to manage your spare parts, you can link it to the MP to consult the spare parts and stocks in said external system from the MP.	✔	✔

Users management by warehouse It manages the permissions of the database users so that they can only access the information of the warehouse or warehouses that correspond to them.	✔	✔
Management of equivalent brands for the same product An important concept that differentiates a spare parts warehouse and a store from a store, for example, is that in the latter each product must be handled as different products. However, in a spare parts warehouse, equivalent products can be handled as if they were the same product. The MP Inventory allows the management of brands and equivalent barcodes for the same product.	✔	✔
Stock alert below minimum level The program alerts you to all those products out of stock or with stocks below the minimum level.	✔	✔
Supply alerts The MP alerts you to the resources that need to be supplied. Alerts can be configured by the user so that you always keep your stocks at the appropriate levels for your warehouse.	✔	✔
Alert of stocks lower than maintenance requirements In the inventory of spare parts, the warehouseman will be able to know at any time the list and quantities of spare parts to be supplied according to the warehouse vouchers generated by the maintenance personnel. When stocks are insufficient to meet the requirements, the MP will issue an alert.	✔	✔
Warehouse comparison The MP allows you to consult in a mesh all the relevant information of different warehouses, allowing you to consult between warehouses the stock of spare parts, costs, movements, locations, etc.	✔	✔
Option to handle different presentations for the same spare part or material	✔	✔
Long spare parts descriptions of up to 120 characters Unlike with other CMMS, in the MP you are not limited to short and abbreviated descriptions of the parts. Its functionality allows you to efficiently handle large listings and easily locate a part with the advanced filter tools, even without the need to type a product code that is often difficult or uncomfortable to remember. In addition, there is a memo field that allows you to document the technical specifications of your spare parts.	✔	✔
Spare Parts Documentation with Images, Attachments and Specifications The SPARE PARTS INVENTORY allows you to supplement the information of the spare parts with images, attachments and specifications.	✔	✔
Barcodes The operation of the Spare Parts Inventory is optimized by using a barcode reader that will help you streamline the operations of entry and exit of products to the warehouse. In the program, the barcode reader is used to enter the part number of a product without the need to type it manually. One of the great advantages of the Spare Parts Inventory program is that the user has the option of managing several barcodes related to the same product. The foregoing is very useful to indicate, for example, that the barcode of an oil in a liter presentation and a barcode of the same oil in a gallon presentation both correspond to the same product. Or, to reference equivalent products from different manufacturers with the same product.	✔	✔
Handling products with different currencies Currency refers to the monetary units that suppliers use to sell their products. Through a combo, the user can select any of the currencies or add new currencies to the auxiliary currency catalog. The user can also keep the exchange rate for each currency updated. When generating a requisition, it is issued with the default currency for the supplier. When entering the merchandise to the warehouse, the program converts the amounts to national currency taking the corresponding exchange rate.	✔	✔
Import data from other sources to Inventory The Spare Parts Inventory allows you to import information from other databases, thus avoiding the need to recapture information that is already captured in some other file. The import utility allows you to import information from an Excel file, Dbase, Access, etc. You can also import the information directly from a previous version of the Inventory or the MP program.		✔

Online or offline physical inventory tool It facilitates the gathering of physical inventories and, where appropriate, makes the necessary adjustment movements that result from differences between the physical inventory and the registered inventories.	✔	✔
Tool to carry out the physical inventory by sections It allows to carry out the physical inventory of the warehouse in different sections so that it can continue supplying the necessary resources to carry out maintenance activities.	✔	✔
Resource flow query by warehouse Considering that different PM databases can be linked to the same warehouse, the PM concentrates all the resources that you will need to carry out maintenance activities for all linked databases. This allows to know the needs that the warehouse will have in a period of one year considering all the databases and assigned spare parts.	✔	✔

External labor, suppliers and services

Catalog of labor In the MP, the user captures the Workforce Catalog in which the names and specialties of the personnel involved in maintenance work are registered. The information in this catalog allows the designation of managers for work orders.	✔	✔
Catalog of external providers and services The MP version 10 includes a catalog of equipment and service providers. The equipments that register in the MP will be able to relate to their respective provider. The user will be able to consult the provider's information online, such as contacts, telephones, etc. They can also create a catalog of the services that each provider offers and document the consumption of services in the MP.	✔	✔
Labor cost record In MP version 10, labor costs are now recorded on a monthly basis, based on the data provided by the accounting department. Stop managing the hourly cost per employee leading to a much more realistic result when presenting maintenance costs, since the real cost is a data that emerges from the accounting taking into account salary, fees, overtime, benefits, etc..	✔	✔
Work labor log The man-hours invested by each worker in the different work orders are recorded in the labor log, making this information available for consultation at all times.	✔	✔

Warehouse vouchers, consumptions and guarantees

Warehouse vouchers Generate warehouse vouchers automatically or manually in the MP and download them at the time of generating the outbound movement from the spare parts inventory, streamlining the material delivery process in the warehouse.	✔	✔
Documentation of the consumption of spare parts and external services used The MP allows documenting the consumption of spare parts, consumables and external services used during the execution of maintenance work. This will allow us to make inquiries about the resources used in each piece of equipment and analyze maintenance costs. In MP version 10, the process for documenting consumptions is noticeably much faster and easier compared to previous versions.	✔	✔
Guarantee control The MP allows you to document the warranties for each piece of equipment, whether it is the equipment warranty, a spare part, or even a service warranty. By accessing this module you will be able to consult all the current guarantees of a equipment.	✔	✔
Resource flow The MP calculates the spare parts to be used in the following weeks, months or years considering the resources assigned to maintenance activities and the dates scheduled to be carried out. In the flow of resources you will be able to consult the details of the activities and equipment that will use the spare parts.	✔	✔
Check the existence of the vouchers from the MP Before starting the work of a Work Order you will be able to consult in the MP the warehouse vouchers open or requested from the warehouse to carry out the corresponding works. Likewise, you will be able to check the existence in the warehouse of the spare parts and consumables contained in the vouchers before starting the work or going to the warehouse for them.	✔	✔

Control and monitoring of generated warehouse vouchers Control of warehouse vouchers pending supply, assorted and closed. In addition, the personnel who receive a material from the warehouse must justify where they consumed it, that is, in what order of work, in what equipment and / or in what work or activity they used it. As part of the control, the MP informs about all those unjustified vouchers and the name of the worker who received the material. All this is documented in the MP and accessible for consultation and follow-up.	✔	✔
Documentation of spare parts with equipment and maintenance activities Two types of assignments can now be made in the MP; Resources can be assigned directly to equipment and locations, or to their respective maintenance activities. The association of resources to activities consists of establishing the spare parts, labor, external services and tools necessary to carry them out.	✔	✔

Information Analysis

Failure analysis and root causes It detects the types of equipment that have the most failures, the most frequent failures and their root causes. MP version 10 features a completely redesigned dashboard that makes data visualization and decision making easier.	✔	✔
Analysis of scheduled activities vs activities carried out Graph in which the number of scheduled activities and the number of activities carried out are compared on a monthly basis. MP version 10 presents a new dashboard with a series of pre-designed graphics and relevant information regarding the number of activities carried out and activities scheduled, the type of activities carried out, etc.	✔	✔
Cost analysis Graph in which the costs of spare parts and consumable materials used in maintenance, costs of external services and maintenance labor are compared monthly. MP version 10 presents a new dashboard with a series of pre-designed graphics regarding relevant information regarding the number of activities carried out and scheduled activities, the type of activities carried out, etc..	✔	✔
KPIs (Key Performance Indicators) KPIs are maintenance indicators that help you quickly obtain an overview of the status of your maintenance management at the time of your inquiry. For example, number of open work orders, number of overdue activities, number of equipment out of service, etc..		✔
Analysis of the Labor Log In the labor log, the times invested by each worker in the different work orders are recorded. This analysis graphically shows the hours of work recorded by each of the workers in different periods, in order to help you evaluate their performance. The analysis also allows you to know the number of work orders executed by a worker in a given period of time.		✔
Analysis of deviation in times of routine activities Analysis that allows you to compare the estimated time to perform the activities vs. the actual time consumed in its realization.		✔
Maintenance rates The MP calculates three maintenance indices (Mean Time Between Failures, Mean Time to Repair and Availability)		✔
Generation of custom graphs The MP allows generating a large number of graphs fully configurable by the user. From the selection of series to graph, period, etc., to the configuration of colors and titles of the graphs that you generate.		✔
Analysis of ordinary man hours, overtime, holidays worked, etc.		✔
Consolidated analysis of costs and consumption The PM allows to obtain with great ease an analysis of costs and consumption consolidated by equipment, by activity, by resource, by OT, by type of maintenance, etc., in a range of time.		✔
Detailed analysis of the man hours recorded by each worker In this analysis, you will be able to consult in detail the day, the recorded man hours, the work orders and the jobs in which a specific worker intervened.		✔

Tools control		
Completely redesigned interface	✔	✔
Tools Catalog The Professional MP and the Business MP include a program called Tool Control. This program allows you to control receipts and returns of all tools delivered to workers. The program allows, among other things, to consult online who has or where each of the tools is located. Before proceeding to carry out maintenance work, from the MP the user will be able to check the availability or stocks in the warehouse of the tools that will be used to carry out the tasks entrusted.	✔	✔
Movements of inputs and outputs to the tool magazine By movements of entry or exit to the warehouse should be understood those movements that modify the asset or value of the tool warehouse. As an example, we can mention the entry into the magazine of a new tool or the exit movements due to removal of a specific tool from the magazine. The removal of a tool temporarily when it is handed over to an employee should not be considered as a move out of the warehouse. When loaning or delivering a tool to an employee, it remains part of the asset of the tool store. In this case the tool simply changes its location, but the value of the tool magazine is not changed. The movements of entry and exit to the tool magazine are controlled by means of foliated documents. The tools that entered or left the warehouse are recorded in these documents. When the user generates a new input or output document, the program assigns a consecutive folio number to the document.	✔	✔
Movements of loan and return of tools The receipt consists of the delivery of one or more tools to an employee or worker for the performance of their work, either for a defined time or for an indeterminate period. The tool that is delivered as safekeeping to an employee does not cease to be part of the asset of the tool store. Every time the storekeeper delivers a tool to an employee or worker, he can generate a receipt document to record the tools that were delivered to him in the program. The program will control the tools that each person has in their possession, and as the tools are returned, the program will be in charge of keeping that control updated. The Tool Control program allows you to instantly consult the location of a tool, as well as consult the list of tools that a person keeps in their possession.	✔	✔
Stock control of tools in the warehouse and on loan In this module, the user will be able to consult the stocks of tools in the warehouse and those that are in the safekeeping of the workers, as well as the names of the people who have them on loan.	✔	✔
Control of tools loans by employee For all those tools that are in safekeeping, the program allows you to check which people have the tool in their possession, the deadline for its return and the corresponding safeguard document number.	✔	✔
Tool magazine valuation	✔	✔
Tool control by serial number (Optional) When registering a tool in the catalog, the user can optionally mark those tools that he wishes to control by serial number and document the serial number of each of them. In this way you will be able to keep a precise control by serial number of the tools that you have in the warehouse or in safekeeping.	✔	✔
Tool Package Formation The user can form and define packages with various tools. For example, a basic tool package could consist of a tool box, tweezers, a flat screwdriver and a cross screwdriver, a set of spanners, etc.. When generating a receipt document, the user can import any of these predefined packages and automatically all the tools contained in the package are loaded into the receipt document.	✔	✔

History

History of work carried out The MP maintains organized, updated and available for consultation all the historical information regarding work carried out and resources used. Each time a work order is closed, the history of work performed on each equipment is saved in the MP database. Thus, at any time, the user can consult a history by equipment that shows all the routine maintenance activities that have been carried out, the date, the corresponding work order and the person responsible for each job.	✓	✓
Consumption history The MP maintains organized, updated and available for consultation all the historical information regarding work carried out and resources used.	✓	✓
History of movements to the warehouse (Kardex) In the Kardex, the program allows to consult in chronological form all the movements of entry and exit of a spare part or consumable to the warehouse.	✓	✓
History of loans and tool returns (Kardex) All receipt and return movements are recorded in a history, either by employee or by tool. The history by employee presents us with a detailed review of all the receipt and return movements corresponding to a person. It also presents the physical state of the tool at the time of its return. All receipt or return movements are accumulated in a history per tool. The history by tool shows the list of people who have had a specific tool in safekeeping, the date of the receipt and the return date, as well as the physical condition of the tool on the day of its return.	✓	✓
History of closed work orders	✓	✓
Measurement history (e.g. temperature, amperage, vibration, etc.) All the measurements that are recorded to the different teams are stored in the PM database. The MP graphs the measurements made on different dates. (E.g. temperature, vibration, thickness, etc.) The foregoing allows us to visualize the behavior of the variables that we are measuring and to predict at a given moment a tendency towards failure.	✓	✓
History of non-routine jobs deleted After registering a non-routine job, there is a possibility that one of the system administrators may decide to delete it. When this happens, the deleted job goes into a deleted job history. In the deleted jobs module, the date and name of the user who canceled it will be recorded.	✓	✓
Transaction History All transactions carried out in the program are registered. In this way, there is always the possibility of tracking the name of the user, the date and time of any transaction carried out in the program.	✓	✓

Auxiliary Catalogs

Auxiliary equipment classification catalog The MP includes two fields for classifying your teams according to your needs.	✓	✓
Auxiliary catalog for classification of activities To facilitate the loading of information, the PM includes preloaded auxiliary catalogs such as type of equipment, activity specialties, types of failure and causes of failure.	✓	✓
Auxiliary catalog of procedures	✓	✓
Auxiliary catalog of images MP version 10 includes a new image viewer and auxiliary catalogs have been redesigned for better organization of images and attachments grouped by folders.	✓	✓
Auxiliary catalog of attachments	✓	✓
Auxiliary catalog of equipment types To facilitate the loading of information, the PM includes preloaded auxiliary catalogs such as type of equipment, activity specialties, types of failure and causes of failure.	✓	✓
Catalog of custom fields or equipment specifications	✓	✓

Auxiliary catalog of failure types To facilitate the loading of information, the PM includes preloaded auxiliary catalogs such as type of equipment, activity specialties, types of failure and causes of failure.	✔	✔
Auxiliary catalog of root causes of failures To facilitate the loading of information, the PM includes preloaded auxiliary catalogs such as type of equipment, activity specialties, types of failure and causes of failure.	✔	✔
Auxiliary catalog of requirements to execute a work order	✔	✔
Auxiliary catalog of specialties for maintenance work	✔	✔
Auxiliary catalog of cost centers	✔	✔
Auxiliary catalog of units of readings of use (e.g. km, miles, hours of use, manufactured parts, etc.)	✔	✔
Auxiliary catalog of spare parts units and consumables (e.g. Pcs, Liter, Kg, etc.)	✔	✔
Auxiliary catalog for the classification of spare parts	✔	✔
Auxiliary tool classification catalog	✔	✔
Auxiliary Currency Catalog Currency refers to the monetary units that suppliers use to sell their products. Through a combo, the user can select any of the currencies or add new currencies to the auxiliary currency catalog. The user can also keep the exchange rate for each currency updated. When generating a requisition, it is issued with the default currency for the supplier. When entering the merchandise to the warehouse, the program converts the amounts to national currency taking the corresponding exchange rate.	✔	✔
Auxiliary catalog of suppliers of spare parts and consumables Suppliers are the companies or individuals that supply the products to the warehouse.	✔	✔
Auxiliary catalog of places for delivery or supply of spare parts and consumables	✔	✔
Databases and connectivity		
FireBird, MySQL and MariaDB database support	✔	✔
Microsoft SQL, MySQL, Oracle y Maria DB database support In addition to databases such as Firebird, MySQL and MariaDB, the MP is compatible to create and work with other types of databases such as Microsoft SQL and Oracle. To use SQL Server and Oracle databases, your company must have a SQL Server or Oracle database engine not included with the MP license.		✔
Option to host your databases on your local computers	✔	✔
Option to connect your MP to databases located on a FireBird, MySQL or MariaDB server	✔	✔
Option to connect your MP to databases located on a Microsoft SQL or Oracle server		✔
Option to connect your MP to databases hosted in the CLOUD MP allows you to connect your MP to your databases hosted in the cloud, either by contracting our MP Cloud hosting service or with any other cloud hosting service provider of your choice.	✔	✔
Creation and access to multiple databases from the same MP (e.g. MULTI-COMPANIES)	✔	✔
Tool to migrate your databases from version 9 to version 10 The MP includes a tool that allows us to import information from version 9 to version 10.	✔	✔
Tool to convert the format of your databases Convert your MP databases (Firebird, Microsoft SQL, MySQL, Oracle, Maria DB) from one format to another.		✔

Support

Learning Center with video course, manual, diagrams The MP is fully documented with a learning or help center that you can access from anywhere in the program. When the user is faced with a question during the operation of the PM, from the specific place of the program they can access the help, which directs them directly to the corresponding topic with literature and videos. Help also has quick guides to get started, as well as smart searches to easily find any topic. The new help of version 10 constitutes without a doubt the easiest and most practical way to learn how to use the program or to solve specific doubts in a self-taught way.	✔	✔
Free technical support via phone, chat, email	✔	✔