



MaintMaster® Release Notes

Welcome to MaintMaster Release Notes

This is a list of development made between public releases, each release beginning with a summary of major improvements and new features. The list is not complete since there are minor improvements made continuously, but it will reflect all changes in behavior that users will encounter.

Release Notes MaintMaster 8.20

Summary

This release addressed three main themes.

- Bug fixes
- UI improvements
- A feature for Work Done Signoff

Work Done Signoff

The Work Done Signoff feature supports a workflow where MaintMaster users add a digital signature when completing a job. A user without MaintMaster login can add a written digital signature alongside a MaintMaster user when completing a job. Useful for scenarios where signatures are required for regulatory compliance.

Improved readability of properties

Improved readability of properties in report and order guides on the web and in the mobile app. Properties and their descriptions are clearly separated.

Quantity of planned items in web/mobile

Quantity of planned items when making withdrawals in web/mobile app. These are now displayed in a similar fashion as in the desktop app.

Adding journal values in web/mobile

Journal values can be added for objects in a similar fashion as in the desktop app.

Report button description

The report button got a tool tip in the desktop app and a description in web/mobile app.

Names of checkbox properties in selection headers

When editing a selection that displays checkbox properties, it is now possible to display the name of the checkbox property in the column header.

Category	Case	Release note comment
New	MM8-54	The text part of a checkbox property can now be displayed as a header in selection.
New	MM8-82	Add a digital signature when completing a job.
New	MM8-182	Copy the contents of all selected cells in any grid view (selection, property setting view ...) with the CTRL+C shortcut.
New	MM8-33	Cleaned up the UI in the order and report guides for improved readability.
New	MM8-34	The web/mobile client now displays the quantity of planned items/spare parts when reporting on jobs.
New	MM8-35	Journal values from site objects can now be added in the web/mobile app.
New	MM8-36	Added a descriptive text for the Report button as a tool tip and description text in the desktop and web client respectively.

Bug	MM8-4	Report inventory checking works when item/spare part is opened from QR-action or search.
Bug	MM8-5	A comment on a item/spare part card is displayed in the description field for the item/spare part in the web/mobile client.
Bug	MM8-6	KPIs on summary pages show the correct data.
Bug	MM8-7	User are able to open the right click menu while on the summary pages.
Bug	MM8-15	Fixed the sort order for favorite selections on the start page.
Bug	MM8-17	It's now possible to expand the site object explorer image navigation window to 70% of the total site object explorer navigation pane.
Bug	MM8-21	Removed the Report button in the right side panel in the site explorer view. Both the top Report button and the right-click on site object Report option remain.
Bug	MM8-23	Fixed scalar KPI coloring.
Bug	MM8-29	Optimized to be able to handle several KPI:s on the start page.
Bug	MM8-30	A link to a non-existing file no longer prevents the user from attaching more files.
Bug	MM8-39	Fixed issue with import failing if the same value existed in a properties value list.
Bug	MM8-40	The condition of Not in Selection now has the intended effect.
Bug	MM8-41	Import operations no longer wipe attached files.
Bug	MM8-42	Attached pictures are saved when the job is automatically completed.
Bug	MM8-45	The Spare price in inventory checking setting is now being properly respected and used.
Bug	MM8-46	Last delivery price for spares is now taken from the last delivery transaction with an amount >0
Bug	MM8-47	Mitigation that that sets the pricing correctly to the price from the latest delivery transaction with items delivered.
Bug	MM8-48	The columns "Value at month end" and "Value at previous month end" now update automatically and without the need to restart the system.
Bug	MM8-49:	Corrected the price calculation when using the Average delivery price (with commission) setting for calculating withdrawal price.
Bug	MM8-55:	Timelines now represent the selected date scale appropriately both in display and behavior.
Bug	MM8-58	Fixed an issue where a tab for a QR-action was missing.
Bug	MM8-67	Fixed an issue that caused properties on custom created tabs not import.
Bug	MM8-71	Fixed so that the item/spare parts extended property opens properly.
Bug	MM8-77	Read only radio buttons are now truly read-only.
Bug	MM8-78	Addresses a bug in Windows 11 14H2 that crops images when saving them in MaintMaster.

Bug	MM8-107	Fixed so that withdrawals are made in Consumption units instead of Purchase units.
Bug	MM8-143	The Windows client displays line breaks in the description text of reported time.
Bug	MM8-147	Improved the formatting of radio button properties
Bug	MM8-149	Withdrawals cannot be made if the item is accessed using a QR code or search

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Improvements in Web/App

On the start page you can add shortcuts to selections, plan parts on jobs and there's a step for adding a picture in the order/report guide.

Flexible label printing

You can now create your own QR-action labels and decide for which item type the label should appear on

Timeline improvements

A timeline can be added to a summary page and a tool tip is shown on bars when hovering.

Create your own tabs

Now it's possible to create your own tabs on cards and make them specific for each item type and category. The tabs are even shown in the web/app.

New property types

Checkboxes, sliding bars, signatures and radio buttons can now be added as properties for job categories.

New KPI visualizations

A scalar (number) and a thermometer KPI visualizations are available.

Category	Case	Release note comment
New	3117	Checkboxes, sliding bars, signatures and radio buttons can now be added as properties for job categories.
New	3118	Now it's possible to create tabs on cards
New	3170	Possibility to make inventory in web/app and setting for spare part value in inventory guide
New	3292	Displaying value in KPI and two more types of KPI: Scalar & Thermometer
New	3293	Simplified first tab on all item types in web/app
New	3296	Now it's possible to plan items on job in App/Web
New	3418	You can now create your own QR-action labels
New	4523	Logo added to banner in Web/App
New	4589	Timeline available on summary pages
New	4592	Tooltip on timeline bars

New	5166	System setting if follow-up jobs should be created automatically when you're clocked in on a job
New	5247	Add picture added as a step in Order/report guide in Web/App
New	5713	Stockroom location, balance & price has been added to report guide in withdrawal step
New	6119	PDF preview image size changed
New	6378	Shortcut to selections from startpage in Web/App
New	7207	Stockroom location, balance & price has been added to withdrawal guide
Bug	4132	QR-actions available on printouts
Bug	4203	Now it's possible to print round format jobs
Bug	5608	Warning message saying item can't be deleted is shown for user if user is trying to delete item used on summary page

Release Notes MaintMaster 8.18

The main focus for 8.18 has been job handling using the mobile app, in addition to the following highlights.

Job handling

The order- and report guide has been made more flexible, allowing you to choose which steps should be displayed for each category, and include default values regardless if current step is visible or not in the guide.

Simplified document handling

PDF files can now be stored in the MaintMaster database, in addition to linking to files.

Multiple stockrooms

MaintMaster users can now have multiple stockrooms assigned, and of course a default stockroom (available options were earlier one or all stockrooms).

Improved spares tracability

All spare transactions now include timestamp (many transactions only included date earlier).

New brand profile

The web client and the mobile app have also got new colors from our new brand profile.

Category	Case	Release note comment
New	3121/192913	Possible to select which properties to include on printouts
New	3122/192849	Column aggregation for numbers includes First and Last
New	3162/192404	New access license type: Operator
New	3518	Timestamp added to column Date in table provider Financial transactions
New	3705	Updated theme in mobile app/web
New	3294	PDF's can now be stored in the database

New	3115	Possible to set multiple stockrooms per user
New	3387	Now it's possible to copy record for recurrent jobs
New	3156	Save as new added to handling of Summary pages
New	3518	Timestamp added to column Date in table provider Item transfers
New	3139	Possibility to limit result according to sort order in selection
New	4112	Possible to select or deselect steps for orderguide and reportguide
Bug	3307	Categories can now have same name as long as they exists in different register
Bug	3125/191987	Description text of properties available in guides
Bug	3138/177055	Filtering on all spare parts when adding spare part to a job starts at the top
Bug	3155/192743	Delete button available for card definitions and Selections on cards
Bug	3358/184151	Possible to set normal quantity with decimals on spare part-company relation
Bug	3440/192919	More space added between properties in app
Bug	3579	Fixed issue where reservations were miscalculated
Bug	3599	Fixed issue where two jobs were created when planning a job to an event
Bug	3613	Now it's possible to open jobs from summary page
Bug	3754	Fixed issue where you couldn't print objects
Bug	3765/194049	Argument for icon for notifications on card layout now works as expected
Bug	3809	Plan as soon as possible works as expected
Bug	3850	Column job interval has support for more characters
Bug	4721	Summary page in app now shows relevant properties

Release Notes MaintMaster 8.17

The main focus for 8.17 has been performance improvements and small changes to the mobile app.

QR-actions

The recently introduced QR-actions have been added to permissions and made easier to print.

Category	Case	Release note comment
New	191962	QR-actions can be printed for multiple items

New	174098	Description for completion codes are visible in app
New	189084	Permission to view and manage QR-action/scanner
New	162799	Instructions for how to import records is available
New	190513	Report guide takes into account the user's stockroom
Fix	192418	Template text and formatting tools available in Order job guide in app
Fix	184156	Keyboard remains open when adding quantity to withdrawals
Fix	188555	Linked files remains on job instances when job instance is changed
Fix	181732	Deletion of deliveries is not possible if any withdrawal has been made in the same batch
Fix	190357	Follow-up job created in app is now linked to parent job
Fix	190564	Possible to create calculation script columns in table provider sample aggregations
Fix	191231	Site object sorting can handle site objects with no number
Fix	191149	Condition for 'In selection' works as expected
Fix	189862	Possible to remove a delivery made through purchase order to cost center
Fix	189865	Tool tip is shown for properties and job categories in quick task menu
Fix	188026	Order job guide lists correct job categories on site object cards
Fix	186433	Possible to select a group when setting responsible for job templates
Fix	186545	Fixed issue where you needed to hit copy twice to copy purchase order
Fix	177648	Reservation flag on parts are dropped when withdrawal has been made

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The app takes another important step

Almost all functionality, everything but settings, in MaintMaster can now be used in the web app and in the mobile apps for Android and iPhone. In addition, we have updated the user interface a bit to be easier to navigate in. A new cool feature is the QR Actions letting you design favourite functions and data to quickly access in the mobile app using QR codes. The QR Actions are designed in MaintMaster System Settings and accessed, once printed, from the app.

IoT Sensors

As announced previously, the brand new product IoT Sensors is now available as an automated way to collect data from your equipment, using wireless sensors. Very easy to setup and very powerful help for safety and productivity. Please contact MaintMaster on how to get started with IoT Sensors

Many minor changes

IoT and App was really in focus for this release, but we managed to include quite a few fixes and news for the overall MaintMaster experience as well. Read about them below and enjoy them in your system!

Category	Case	Release note comment
General MaintMaster changes (for phone app in Android and iOS, see below)		
New	166157	In addition to manually add parts to your site objects spare part lists, MaintMaster can link them for you
New	174600	Advanced formatting of "show as" appears for Documents has been changed to refer to table provider columns (not database columns)
New	176152	Comment column at spare part transfer renamed from "transaction information" to "transfer comment"
New	177206	The title bar of cards will change when the user is saving the content of the card, and it will afterwards confirm that the record is saved, or tell that the process was cancelled
New	177274	Automatic recovery for new stuff and changes not yet saved. MaintMaster saves all changes locally for open cards in the event of a crash, and gives you the option to restore them at your next login.
New	177495	When copying records you get a dialogue with options to choose what to copy
New	177763	When records have no name they will be shown as "(empty [itemtype] [internal id])"
New	177926	Updated default IoT selections and added new default charts
New	178069	Improved logging and profiling tools for efficient troubleshooting
New	179116	The names of underlying tables for Documents has been changed to T8Document affecting selections of documents with Sql conditions
New	179367	Improved startup performance for first user after system reboot
New	180814	Selection column "known suppliers' item numbers" have been optimized
New	174630	Site object column added for IoT selections

New	175352	Improvement of replacement feature for persons, groups and parts
New	177384	Improved automatic numbering for documents
New	177638	Improved logic for detection of circular reference in entities that have hierarchy. There is also new options added when deleting a parent document.
Fix	138268	SiteObject/AccountID property in summary page configurator now works as expected
Fix	140071	Fixed an issue that prevented soft deletion of items that was referenced in user defined properties on completed jobs and closed purchase orders
Fix	142897	Users with unsupported cultures will now be able to use MaintMaster (defaulted to en-US culture)
Fix	143657	Summary page print out handles special charactes better
Fix	144242	Two new columns available in table provider recurrent jobs, series start date & series end date
Fix	145183	Deliver guide now uses the specified unit when automatically adding supplier relations to parts
Fix	145286	Creating a new purchase order from a item/spare part card will now correctly pick the appropriate stockroom automatically
Fix	145920	No more inconsistent information regarding which weekdays are used for production time in regards to MTBF calculation
Fix	146691	Adding a job to project job via job card quick menu "plan" -> "add to project"
Fix	146815	Consistent naming of delivery notes and document columns, purchase order column note is not affected by deliveries
Fix	147499	Added created by and deadline as configurable properties on job summary pages
Fix	147506	Aligned supplier address with delivery address in purchase order printout
Fix	148746	It's no longer possible to remove columns from selections that are used in charts, kpi and timelines
Fix	149807	Expanding and collapsing nodes in a grouped selection now only expands/collapses the selected node
Fix	149979	Show-as values now updates directly on open cards when category show-as setting is changed
Fix	156118	When printing records, selections, charts and timelines it will not be possible to select which printer to use

Fix	159303	On project jobs, the "next deadline" now shows the next deadline from jobs in the project that are not done nor completed. The "Next startdate" text has been removed from project job cards.
Fix	162612	Using "save and close" when changing selections sort order in system settings now works as expected
Fix	169544	It's now possible to pick files and folders in extended properties while batch reporting jobs via report guide
Fix	176230	Fixed selection group for IoT now reflects the sorting order when client is restarted
Fix	176390	Added message when batch reporting/starting multiple instances of the same recurring job informing the user that only the first instance be affected
Fix	176526	Removed older sampling configuration causing issues when sampling data for KPI
Fix	176560	Sort category types in alphabetical order for site objects, documents and spare parts
Fix	176930	Deactivated stockrooms are no longer available in filters
Fix	177062	Work order print out for round jobs now correctly displays item/spare part name
Fix	177232	Improvements of toolbar menus in recurrent jobs - delete button only visible when job is created
Fix	177249	Cache improvements in side-click combos - changes are now reflected directly in the combobox on open cards
Fix	177321	The "delete" button is no longer available on unsaved recurrent jobs
Fix	177487	Print button at cards no longer shows print preview if item was not saved
Fix	177626	Responsible filter can be used in table provider Downtime
Fix	178167	The font should no longer be changed after modifying the description of a newly created job
Fix	178263	Change detection on text-fields is handled better within the app
Fix	178588	The user is no longer asked to save changes when closing jobcards that haven't been changed
Fix	178838	The permission editor checkboxes now properly displays the full permission name for all languages
Fix	178846	Configuration changes at category sub types now reflects even on cards that are open

Fix	179074	The table edit dialog is now properly centered when opened
Fix	179099	The text color in the description field can now be set to black without first setting it to something else
Fix	179149	Charts at site object based on IoT data readings now shows fresh data on first load
Fix	179809	The "last revision" text on document cards should now be correct
Fix	180342	In selections, you can now use conditions on internal identifier columns
Fix	180346	Fixed issue with responsible list when using Responsible rules
Fix	181494	Replace item guide loads better
Fix	181699	Part inventory import works better

MaintMaster App changes (for phone app in Android and iOS)

New	161752	Improved icons in bottom navigation
New	163021	The cursor in the web version of MaintMaster now appropriate reflects when an element is clickable
New	169870	Mark and unmark a part as time to order from app
New	171272	Site object path is now visible on cards in the app
New	173978	Improved the look and feel of guides in browser
New	174985	Tilting android tablet rotates the window
New	175704	The summary step for the withdrawal guide in the app will display what stockroom the item(s)/spare part(s) will be withdrawn from
New	176343	Site objects can now be two lines long in site object-picker
New	176366	Guides only brings up keyboard when it makes sense to have a keyboard
New	176583	Purchase Orders within the app is now working

New	177652	Improved round elements list in app
New	177722	Bottom navigation location depends on screen size
New	177759	It is now possible to create QR codes for actions within the MaintMaster system
New	177889	Possibility to transfer items between stockrooms from the app
New	179136	Possibility to create follow-up jobs in app
New	179643	Withdraw guide displays unit in summary
New	179803	Improved search-page
Fix	158341	Skips select system-screen if only one system is available
Fix	162964	In web, two picklists can't be opened at the same time
Fix	164543	Possible to filter selections on me, my group and all in app
Fix	166233	Documents on site objects are listed
Fix	169608	Dashboard still visible when opening a guide on web
Fix	169881	Empty card tabs now has a text saying it's empty
Fix	172060	Planned parts listed at top in part list on report work/withdraw-guides
Fix	172893	When navigating from a card to another card and then going back the app will send you back to the original card with the correct tab selected
Fix	173175	The app can't be started while in Maintenance Mode
Fix	173203	Permissions are checked for clock in and complete job in report work-guide in the app
Fix	175205	Removed strange links when clicking on group in planned times in app
Fix	175545	External links in description now works better
Fix	176165	Withdrawal guide can handle empty stockroom
Fix	176207	All properties are visible in the app

Fix	176348	Barcode searching works based on "Barcode" value on spare parts
Fix	176384	Guides have better translation
Fix	176731	Datepicker now shows selected day according to timezone
Fix	176866	Properties without value handled the same between app/WinForm
Fix	177226	Improved text in part withdrawal guide
Fix	177251	Guides are now scrollable on small phones
Fix	177263	Properties contains their value when moving backwards in guides
Fix	177326	Clocking in while already clocked in on another job in the app will no longer cause a problem where further interaction is blocked
Fix	177564	Last property on card is now visible/editable on iOS
Fix	177754	Added more space between properties in guides/cards
Fix	177968	Back button in withdraw guide now works correct
Fix	178141	Guides with properties with value listing containing one value now works
Fix	178516	It is now possible to edit a record in the app after reporting work
Fix	178923	Selections with empty Field now loads in the app
Fix	179472	App does not crash when appearance on a selection column is "show value as row"
Fix	179543	Back in guides always take you to previous step
Fix	179684	The project job list is now displayed in the description tab for project jobs in the app
Fix	179710	Properties are readonly in summary step
Fix	179715	Quick tasks/report guide-settings on properties honored in web app
Fix	179784	Properties with formats is not preventing save when not edited
Fix	179931	Card which fails to saves keeps entered data

- Fix** 180146 Setting for automatically completing new jobs by quick tasks works in app

- Fix** 180228 Report work wizard does not crash when withdrawing parts

- Fix** 180262 Downtime description is reported correctly from report work guide

- Fix** 180887 If downtime did occur, a downtime siteobject needs to be picked

Release Notes MaintMaster 8.15

The app continues to evolve

Many small changes to the app, like how you edit a few values in lists and the ever so useful quick search functionality that finally has made it to the app.

IoT Sensors

For almost a year, we've had pilots running our new product MaintMaster IoT Sensors, a way to monitor the current condition of any equipment using sensors. Using these sensors we get a stream of readings, of for instance vibration, humidity, and temperature, sent to our cloud where we can trigger new jobs based on a flexible set of rules that you can control. The goal is to detect faults and deviations before it becomes a problem. Analyzing trends over time can give you an early warning that something will need attention within the next few days, but before they break. In this release we enter the final pilot phase, very soon this will be a product you can enhance your productivity and safety with.

Under the hood

At MaintMaster Development we're quite excited about the progress we made under the hood. These changes will, in time, increase performance and give us opportunities to add features.

Category	Case	Release note comment
General MaintMaster changes (for phone app in Android and iOS, see below)		
New	133851	The drop down for purchaser on a purchase order will now only display users that has permission to order
New	138706	New system setting added to purchase orders "Display price on purchase order", ability to set whether price should be displayed on purchase orders or not as default when creating new purchase orders
New	152223	Set default value for "Show records as" property for new categories. Default value can be set in system settings under site objects, persons, groups, companies, jobs, spares, purchase orders and documents sections.
New	152553	You now have more options when context clicking multiple selected purchase orders. For instance change and reverse status, order, and complete with or without further deliveries.
New	163258	New system setting under Jobs, Rules to use selected site object as default in guides and new jobs. This setting is set when updating to this version, since that is the behaviour since before. If you rather want users to always start at a root node is site object tree, uncheck this setting. Root node is the topmost site object in the branch the user can see, including if the user has a top site object.

New	171602	Since selections can show records that are deleted if you check the setting Archived in Filter settings for the selection, now it is available to add the column Delete date for the following table providers: Person, Group, Company and Spare part
New	171848	Update to newer version of UI components for multiple enhancements and fixes from vendor
New	172156	Clean up background tasks to enhance performance for large data sets and version management
New	172359	Removing an extended property used by a selection is prevented
New	173935	Improved loading of images
New	174265	New format for datetime selection columns: Date and time with seconds
New	174770	Validate if logged in user has permission to do withdrawal in report and job batch guides
New	174829	Made it more clear in job report guide how many parts will be withdrawn
New	174988	Improved bulk removal of site objects, seen when removing entire branch of site objects
New	175035	A new way to handle large import jobs in order to prevent time-out
New	175202	New permission for returning withdrawn items
New	175418	Add custom footer details with configure button in print view of purchase orders
New	175587	Added created date, last changed date, created by, and last changed by columns for units and stockrooms
Fix	113491	improved name generation of intervals to keep the number of intervals created down
Fix	118795	Show warning when saving job with person that has top site object outside the job site object
Fix	125003	Summary pages will now respect the setting "Show when value is missing" for previews
Fix	125826	Increased font size on work order titles printout
Fix	127209	Added item name/caption in header at printouts
Fix	128991	Improvements of advanced settings at selections when using record link field

Fix	131328	Sorting/saving objects in site object tree without losing selected selection
Fix	132339	More consistent help texts and button texts in spare part, document and site object cards
Fix	132485	Withdrawal price is now displayed correctly after transferring an item/spare part to another stockroom
Fix	136375	Client type Permissions has been removed (Shortcut/Admin client/Mobile), meaning that permission and role will govern users MaintMaster experience regardless of how which userinterface is used.
Fix	137755	Added column "Standard production time/week" to the table provider for site objects
Fix	138621	Selecting the wrong barcode format when printing labels will show an appropriate error message
Fix	139595	Consistent order of orderable job categories between web and desktop client
Fix	140459	Sort by number in selection under grouping and sorting tab
Fix	140745	Possible to make withdrawals for jobs in status Done
Fix	140771	The bulletin board is now visible for smaller screens when using a shortcut that has been configured to shows the bulletin board
Fix	141164	Removed user limitations for site object extended property when user has top object.
Fix	141249	View spare part transactions directly delivered to site object or cost centers in selections for deliveries and withdrawals
Fix	142050	There is now a separate permission for withdrawal delete
Fix	143661	The item card now shows correct last known purchase price for amounts up to very high figures (999.999.999.999) in any currency
Fix	143966	User defined properties on Purchase order are printed in the same order as on the card
Fix	144145	KPI's based on time columns will use the format defined in the selection
Fix	144741	Shipped units will be translated with system language based on base unit settings
Fix	144742	When using a shortcut the batch job report dialog will now be presented in the middle of the screen
Fix	145163	Order weekdays in interval name will honor system setting starting week with monday or sunday
Fix	145283	Reset spare part units when copy record

Fix	145539	Site objects are now sorted according to the site object structure in work order printouts for round jobs
Fix	146608	New folder picker for user defined properties of type Folder
Fix	146815	Consistent naming of delivery notes and document columns
Fix	147050	Search results show related items in a less cryptic way.
Fix	147534	Improvements for captions on user defined properties at summary pages
Fix	148036	It is no longer possible to add instances of recurrent jobs to a project (it was never meant to be possible but slipped through as a bug that behaved badly)
Fix	148323	Assign roles to users when invited
Fix	148809	Improved printouts for spare part labels
Fix	149644	Improved mouse wheel scrolling over summary pages
Fix	150330	A message will be displayed when trying to remove a spare part connected to a round job
Fix	150749	Improved chart previews
Fix	150750	Controls no longer disappear when navigating between nodes in the summary page editor
Fix	152002	Wording on the menu options when completing a purchase order has been updated
Fix	152793	Balance is shown with correct value and unit, even if consumption unit has been customized
Fix	152938	At site object card in top toolbar we have status button which shows pending jobs on site object
Fix	152969	Permissions will be checked when completing a purchase order
Fix	153754	Clarification of last known delivery price label at spare part cards
Fix	153835	Added missing quick buttons on object cards for job guides
Fix	154883	Item/spare part price last delivery will now be presented correctly after transfer to another stockroom
Fix	155524	KPI's based on selections now takes account to users top object if the selection does

Fix	156431	Possible to use mine/my group-filter in selections for recurring jobs
Fix	156570	It is no longer possible to add multiple types with the same name for categories
Fix	156604	Removed unwanted/bad properties from summary page editor
Fix	156703	Quick search show original job hint and status for planned and completed jobs.
Fix	157047	Withdrawal price using the setting "Average price (with comission)" will now correctly calculate the price, the Value column on a spare part withdrawal selection will now display the value of the withdrawal
Fix	157086	Update of spare part list on round jobs are updated correct when spare part only exists in one stockroom
Fix	157393	Roles and time codes in system settings are sorted in a consistent way
Fix	157965	Category properties will not be hidden by job card window anymore
Fix	160003	Journal readings can not be added in the future or before last known reading
Fix	160006	Fixed aggregation of journal values in grouped view
Fix	160220	Added error message and instructions to prevent users from deleting withdrawals for item that no longer has a connection to the stockroom from where the item was withdrawn
Fix	160917	Purchaser and Internal customer on purchase order printouts now reflects the same value as Purchaser on the purchase order card
Fix	161152	Swedish currency KR does not interfere with South Korean currency KRW anymore when adding suppliers for spare parts
Fix	161369	It is now possible to aggregate job number using first and last (not at the same time though)
Fix	162211	Improvement of balance and amount formatting
Fix	163263	Better message and validation when entities used in a job responsible rule are deleted
Fix	163925	Disabled priorities are no longer selectable as default configuration for job categories
Fix	164993	Category configuration for project jobs now have better error handling
Fix	165258	Selections created from Financial transactions can use the site object filter

Fix	165354	Completion Code Group column now works in the Clock in and Clock out table provider
Fix	165418	Notification Email shows correct data for each item
Fix	165521	Set default values for work code and time code are correctly used when reporting work from job card
Fix	165590	Timeline dialog order by priority when group column is set to priority, as expected
Fix	165745	Deleted persons are not shown when using context click and Change responsible, from selections
Fix	165872	Now you can show deleted items on selections using the setting Archived, found in selection setting, Filter settings tab
Fix	166336	Weekday is now shown in the name of an interval based on the setting Repeat the following week numbers
Fix	166621	A question will be raised when the last person leaves a group that is responsible for ongoing jobs
Fix	167031	Improved handling of selection groups with same names. Duplicated group names will get a suffix number.
Fix	168293	Link to selection on start page can be used even if using conditions which compares columns
Fix	170464	Job interval will now be displayed with its full name on print outs
Fix	170908	Project jobs are ordered in alphabetical order in job project selector
Fix	171929	Improved the number of sensors that can be utilized in IoT Sensors
Fix	172381	More clear information on recurrent job card when next instance is far in the future
Fix	172548	Selections of Journal entries has a column called Journal reading type, that now reflects the type of reading in a correct manner
Fix	172623	A question will be raised if columns removed from a selection are used in mobility configuration
Fix	172745	Only persons with permission to add new records are able to do so
Fix	172843	Even if balance is zero, MaintMaster will remember purchasing price when making an inventory, as long as there is a history of at least one delivery for the part.
Fix	172990	Empty delivery address is shown in order guide when user company is not set
Fix	173144	Restored records will be available everywhere instantly

Fix	173299	Issue where top site object not could be renamed resolved
Fix	173323	Selection conditions on user defined date diff columns are working as expected
Fix	173533	Documents can now be opened from spare part delivery history
Fix	173638	It is possible to delete accounts and cost centers
Fix	174008	Resolved an issue where old job intervals migrated from an old version were uneditable
Fix	174232	It is now possible to create new selections of IoT Sensors Data collection readings
Fix	174505	Advanced search improvement
Fix	174644	Prevent modifications of default card layouts. Instead of modify default layouts they can be copied.
Fix	174737	KPI on dashboard now updates when the KPI definition is changed
Fix	174802	Improvement of Sample aggregations selection when using site object filters
Fix	174816	Improvements of email warning and notifications when using user defined property as source
Fix	174828	Spare part picker in report guide now has column for stockroom location
Fix	174987	Fixed an issue where diagrams would not be displayed when selecting multiple entries in a selection
Fix	175091	Loading cursor improvement when opening dialogs
Fix	175345	Spare part locations are shown correctly in job reports
Fix	175357	Use control + context click to open links in rich text editor (description texts)
Fix	175408	Deleted persons don't show in list of possible responsible persons
Fix	175411	Fixed issue when configuring footer in printouts
Fix	175463	Prevent deletion of site object that is top object for a person
Fix	175464	Do not allow deletion of root site object

Fix	175546	Improved mouse wheel scrolling in menu field
Fix	175861	Sort order when filtering in Site explorer now shows site object in expected order
Fix	175902	Improvements of batch reporting of jobs when planned quantity is zero.
Fix	175934	Improved validation of users top site object when opening cards from selections in shortcuts
Fix	176086	Unmark as time to order now correctly deletes the request and updates the UI
Fix	176194	Newly created sub selections will now inherit record status filter from parent selection
Fix	176340	Improved import of spare parts
Fix	176522	Faster loading of cards when linked files are unreachable.
Fix	177478	Resolved error in order guide with Required fields Add-on no longer exists

MaintMaster App changes (for phone app in Android and iOS)

New	161753	Quick search functionality in the app, always present in the bottom bar. Find and open anything in your MaintMaster system.
New	163970	Job history added for Site objects
New	169621	Wizards in web app honors permission settings
New	169638	Prompted about saving unsaved changes in app before leaving a detail view
New	169893	Dates are shown correctly for recurring jobs
New	171467	Editable drop downs in the mobile app with 10 or less options will now be displayed directly on the card
New	175220	New job descriptions will be populated with templates, if used by the category, when created using detail view (card)
New	176441	Can report all user defined properties in report guide in app, the setting for the category is honored
Fix	138290	Entire text is shown for reported work in app
Fix	162972	Site object selector in mobile app can now find site objects by scanning a barcode

Fix	165785	Texts in selections will be truncated with an ellipsis if too long
Fix	165873	Report guide improvement when using Done button to skip optional steps
Fix	168542	Possible to go back from password page and change username when logging in to web app
Fix	170800	Recent jobs functionality in app has been improved in performance and content
Fix	171487	Fixed a problem with log in after changing top site object for a user
Fix	172198	Buttons in datepicker are translated correctly
Fix	172199	Guides in app works a bit smoother
Fix	172869	Links added in extended properties of type URL are working as expected
Fix	173066	In mobile app site object search is now limited to users top object (if any)
Fix	173448	Date field is named correctly in report work wizard
Fix	173449	Removed empty actions from some cards
Fix	174342	Sort order for Site Objects in app has been fixed
Fix	175432	Properties configured to be shown in Order and Report guides respectively show as expected.
Fix	175762	As designed, only jobs are shown in the recent menu in app
Fix	175866	All site objects, even recently added, are shown correctly in app when ordering jobs
Fix	175971	Category template text is showing when creating new jobs
Fix	176069	iOS app is starting properly on iOS 12
Fix	176076	It is no longer possible to report work or withdraw spare parts/items to a job that has been completed in the mobile app
Fix	176114	Links to Add-on Inspector was under some circumstances lost, that problem is now resolved.
Fix	176660	Description field in report work wizard is now editble for round jobs and project jobs

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| Fix | 177173 | Fixed an issue where the properties step in the report guide would be displayed even if the selected category did not contain any properties to be set in the report guide |
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| Fix | 177255 | Previous button in Wizards now work |
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| Fix | 177568 | Character handling in iOS units for rich format texts, typically description texts, manages extended characters better. |
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| Fix | 177866 | Links to other MaintMaster-objects now works in app |
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Release Notes MaintMaster 8.14

Major overhaul of the phone app, both Android and iOS

OK, so we skipped the 13:th version on account of some superstitiousness, why jinx a really nice update? MaintMaster 8.14 represent a major leap for our app. Now you can perform most of your everyday tasks in your app, including creating new jobs and site objects, editing all sorts of descriptions and making withdrawals of your spare parts. The UI in the app is much smoother and quicker to work with, we have totally redesigned how guides work. And as you can see below, we have for the first time separated changes done to the app specifically from general MaintMaster work.

See the progress over time for you KPI's

The KPI's you use in MaintMaster is a snapshot of the value right here, right now. And in many cases, that is all you need. But what if you want to track the progress of a KPI, see how it develops over time? Many of you have solved that by exporting figures weekly or monthly, but now there's a better way, simply save current value to be able to track it over time. In System Settings where you manage KPI's you will see a new tab called History. You activate the saving and select when to save the value, for instance every Monday morning or every day at 6 pm. The historical values are stored in an Information table called Sample aggregations, you can find it where you manage all your selections. Add the column KPI and you will see values for the KPI you are tracking, once there is data saved.

Reintroduction of search and filter in Report guide

For the 8.12 release we made some significant improvements to how spare parts are handled in relation to jobs, you can separate what's planned from what actually has been used. While doing so we changed the layout and the way you add spare parts when using the report guide. For most of you this was highly appreciated. But for some, especially with large stockrooms, it became too hard to find what you are looking for. In this release we simply reintroduce the add spare part dialog for multiple filter and search options.

And quite a lot minor fixing

There has been much job done under the hood in order to prepare for better releases in the future, and while doing so trying to fix whatever problems we can. No less than 160 jobs where completed for this release, which actually is an all time high.

Category	Case	Release note comment
General MaintMaster changes (for phone app in Android and iOS, see below)		
New	143182	Added support to set expected downtime for recurring jobs at import
New	158435	Values in value list can be created via import
New	158654	New permission to manage standard texts
New	162387	In order to increase performance, especially in large systems, a backend service managing units is reworked.
New	162920	A new generic way to handle logging of intergration events
New	162955	Added support to import linked files using their path.
New	163271	Improved import of relations between spare parts and their stockroom for simple balance adjustments.

New	165526	New datatype for integrations: External job cost
New	165613	A new integration framework is created in order to facilitate more effective integrations, having better performance. All existing integration adapters will in time be converted to use this new framework.
New	166137	Added support in backend service for bulk withdrawal, ie several parts at the same time
New	166140	Even when explicitly closing card MaintMaster now detect changes and ask for them to be saved.
New	167310	It's now possible to make withdrawal of a part directly from the site object card.
New	167399	When spare parts are withdrawn to a job, the job will be shown in a column at all lists where you can see withdrawals
New	167472	Increased logging for trouble shooting purposes. No personal identifiable information is logged.
New	167615	New permissions for integration services
New	167841	The possibility to add a selection to any card as a new tab, see Card definitions in System settings. Use Record link field in the selection you use to filter by the current record in the card.
New	168317	Columns in export are grouped by default and user defined properties are sorted alphabetically
New	168361	Column Roles is included in person export
New	168617	Improved batch updating of jobs, spare parts, companies
New	168782	Table provider to show all message on bulletin board, create selections from it where you handle selections, you will find it under Information tables.
New	171243	Import reference is not case sensitive
New	171323	Directive for treating empty cells as ignore when importing
New	171326	In addition to search for any spare part when making withdrawals in Report guide, a multi spare part select editor is introduced, a simple tool to find correct part using more filters.
New	171371	Added better defaults for showas values when creating categories
New	171654	Added support for compound keys when importing relations
New	171689	Added timestamps to import log and summary
New	171755	Batch support implemented for relation import

New	171923	SQL statistics logging is added
New	171982	Added source names to logs when importing
New	172418	Better startup desktop client logging
New	173258	KPI can now save historical values. KPI's are valuable ways to measure important progress, for this release we have added a tab where you manage your KPI's to save historical values on a regular basis. The values are then available in an Information table, the Sample aggregations. Filter by the right KPI and you will be able to create a chart showing historic values from your KPI.
Fix	126738	An issue that prevented move of stock from one location to another is found and fixed.
Fix	133796	Appearance setting for compact name representation of Groups are now better honored.
Fix	139396	You can import jobs having a group as responsible
Fix	142004	Records exported using MaintMaster can also be imported the same way, regardless of setting at export.
Fix	143183	Contact person for companies can be added using import.
Fix	146364	It is now possible to import bigger batches of data using the import guide.
Fix	147309	Balance and order point can be imported to the relation of a spare part and a stockroom
Fix	157935	Fixed an issue where System settings could end up in a loop making it locked.
Fix	160726	Columns Value at month end and Value at previous month end shows correct data
Fix	162594	Job status is now presented in system language when shown as column in selections.
Fix	163064	Possible to make row breaks in pin board messages
Fix	163115	Solved problems importing user defined properties
Fix	163646	Selection join columns can be used in relation table providers
Fix	163978	Export of recurrent jobs show the job's Site object instead of Main Site object
Fix	164157	Odd behaviour at context click and Edit on event is corrected and works now like expected, the dialog where you edit the event is shown.

Fix	164538	Properties with datatype text can contain many more characters.
Fix	164595	We made sure you can add multiple spare parts for a supplier, and other relations, at the same time.
Fix	164677	Fixed issue where it was not possible to deactivate a stockroom-part relation
Fix	164690	We made sure you in all scenarios need Edit permission to edit jobs
Fix	164711	Supplier's item number is shown when adding parts to purchase order
Fix	164733	Column format Time of day is possible to export to excel
Fix	164996	Export of recurrent jobs shows Series start date
Fix	165038	Fixed issue where it was not possible to change start date on instances of recurrent jobs
Fix	165335	Column Fits site object in table spare part has been relocated to be used as a site object filter instead since it made no sense where it was shown before.
Fix	165426	Batch number is created when starting recurrent jobs only
Fix	165500	Changes to records in a selection is better propagated. However, there are still situations where, in the interest to save resources, you still need to use F5 or move between selections to make sure you see the latest information.
Fix	165538	Problem with using site object hierarchy in conditions is fixed
Fix	165582	Selections are better updated when a value in a columns is changed by someone else
Fix	165609	Can restore deleted companies
Fix	165610	If a spare part is delivered from a new supplier, the relation between them is now shown both in company and spare part cards.
Fix	165633	It's now possible to delete job instances if the recurrent job has been deleted
Fix	165670	Comment is included when reporting on multiple jobs with no time
Fix	165704	A person, if invited user, must be denied access prior to removing the person.
Fix	165821	Properties can be added as columns in selections based on table provider purchase order details

Fix	166050	On rare occasions a record could be saved twice, creating two records as a result. The problem and its remedy is now found and implemented.
Fix	166053	In some situations, Addons could prevent menus from displaying as expected, that is now resolved.
Fix	166085	It's no longer possible to have two main suppliers for a spare part.
Fix	166178	Explanation text in cards has been updated to reflect recent changes to withdrawal functionality.
Fix	166184	Double editing of relations between spare part and their suppliers can now be done without first reopening the card.
Fix	166201	Changing a date for an event or a special period will update jobs connected to that event or special period.
Fix	166535	Change of job interval setting on recurrent job doesn't change hyperlink interval on completed job instances
Fix	166570	Format and picture remains unchanged after import of recurrent jobs
Fix	166643	Part picker to job reset list once stockroom filter is deactivated
Fix	166753	Select parts in report guide handle big amount data better
Fix	166762	If reporting on jobs that are instances of a recurrent job and any of them are an unaltered instance (not started, not changed in any way) they will be altered and hence detached from the series after a question.
Fix	166854	Fixed issue where the image navigation couldn't be edited due to multiple relations of same part to a site object
Fix	166951	Resolved issue when site object records shows a message that it has been saved by MaintMaster. It has obviously, but the message is supposed to be reserved for changes that other users are doing to the site object you are looking at.
Fix	167093	Prevented a limbo when Type names are changed to a duplicate, now that type of change works beautifully.
Fix	167099	Parent document included in document export
Fix	167402	Message is displayed when returning spare part to a stockroom which no longer has connection to spare part
Fix	167446	Short text representations for job intervals are resolved

Fix	167751	Fixed issue where a main site object couldn't be moved
Fix	167913	Fixed issue when adding and removing users from selections
Fix	168396	Import of description is shown on summary page
Fix	168515	Non recurrent jobs can be removed from events
Fix	168597	Fixed issue where it was possible to have 2 jobs with same number
Fix	168818	Unused person categories can be deleted
Fix	168958	Restructuring large site object hierarchies takes time, the timeout is increased and the user will get a visual feedback in form of a progress bar.
Fix	168986	Increased performance by eliminating some redundant configuration information that previously slowed some systems down
Fix	169103	Content is limited to the top site object or the stockroom current user has as setting.
Fix	169107	Delete site object dialog look a bit nicer
Fix	169156	Fixed issue where object path was not updated correctly when moving object
Fix	169242	Permission to access advanced tools is only available for Advanced user permission
Fix	169277	Better sorting of stockrooms when connecting stockroom to a part
Fix	169281	Spare part card is updated if all balance is transferred to another stockroom
Fix	169419	Category lists are sorted enabled on top and then disabled, both alphabetically
Fix	169721	User friendly error message when things go wrong in the import guide
Fix	169728	Fixed issue where inherited conditions were editable
Fix	169833	Possible to export selections with explicit currency codes
Fix	170242	Category icon is updated as expected in different contexts
Fix	170552	Clarified difference between plan parts and withdraw parts
Fix	170557	Open job card is updated if withdrawal has been made to job
Fix	170595	Round jobs can display special characters on summary page

Fix	170819	Fixed an issue with start page links that sometimes didn't work as expected
Fix	171056	Calculation of reserved parts is done when saving a job
Fix	171084	Import handles user defined properties and base units better
Fix	171097	Deleting site objects used in properties will show a message and tell where they are used
Fix	171434	Watermark on default print outs is removed
Fix	171452	Import shows message if directive for user defined properties is missing
Fix	171481	Button to confirm withdrawal is now shown for users that have permission to do so
Fix	171928	Relation import handles rows more efficiently
Fix	172010	Improved consistency between dimension and base unit
Fix	172058	The cursor is changed to a wait cursor until the operation is completed
Fix	172087	Import shows number of deleted records when deleting parent site object
Fix	172096	Import of spare part and stockroom relation gives better error message if invalid units are set
Fix	172112	Cost info on jobs shows values from financial transactions
Fix	172504	Message is displayed when trying to delete column used in selection join column
Fix	172587	Document user defined properties can be used on jobs
Fix	172896	Background service for notifications has been updated

MaintMaster App changes (for phone app in Android and iOS)

New	112460	In guides, as a general rule, only one question is asked in each page, making it possible to move to next page by simply making your choice, without hitting Next.
New	161214	Better permission handling in app
New	166225	Services for managing spare parts and stockrooms are reworked under the hood to provide better support for future features and updates.

New	167334	It is now possible to make withdrawals of spare parts in app, both from spare part and job views.
New	167386	Site explorer structure is shown when ordering and reporting jobs, and whenever you select a site object (except main site objects which are a standard list). Use the arrow to the right to drill down in the structure, or use filter at top to find the equipment you are looking for.
New	167679	All guides in app are reworked to be a smoother user experience.
New	168195	Major rework of how guides work in the app, optimized for touch screen and efficient usage. Guides will, if possible, move forward automatically after your choice is made.
New	168819	Added support to create new records in app using the detail views (cards). To start with the functionality is limited to jobs, site objects and persons, more will come.
New	168861	Any reasonable positive number is accepted as reported and planned hours.
New	169624	Adding standard texts when editing description now possible
New	172031	Improved readability and usability with larger and colored buttons
New	172435	Finally the Description editor in the app is available to do all type of editing, just like you would in the desktop app.
Fix	146740	User defined properties can be used in order job guide and report guide if setting is activated
Fix	153825	Pictures uses correct orientation when added to records
Fix	164645	User defined properties are correctly, if set, shown on Overview or Properties tab.
Fix	164796	Grouped selections shows correct caption for grouped value
Fix	165144	Property with datatype value list can be used
Fix	165539	Html-links in app now works like expected, both for internal and external links
Fix	165572	Can select site object in job order guide if searching on separated words
Fix	165664	Fixed stability issues in app
Fix	165819	App had navigation issues where you could end up with empty selections that has been resolved and the selections show data correctly.
Fix	166625	Big pictures are also welcome to be added in the app. But please be careful to upload unnecessarily large images.

Fix	166697	Now you can open an instance of a recurrent job from a site object
Fix	166944	Internal links in user defined properties work like expected, you can open the record set in the property.
Fix	167622	Balance and order point are correctly shown, even if the balance is zero.
Fix	168255	Left swipe to close navigation drawer
Fix	168276	Documents with user defined properties are correctly shown in app
Fix	168541	Language at login in app and web is a bit reworked to make more sense, and for the app to honor the user setting.
Fix	169641	Report button at startpage in app is only visible for users with proper permissions
Fix	169744	Multiple words can be used when filtering for a site object in job order guide
Fix	169903	Timestamp for downtime uses the system's timezone
Fix	171636	Date columns format is shown correct even when they are grouped
Fix	172059	Only available actions are shown in the action menu for jobs, site objects etc in app, based on the status.
Fix	172077	If you really like to work a lot, we now support reporting in excess of 999 hours
Fix	172197	Language and format is correctly handled according to users settings in the app
Fix	172245	Optimized iOS app to show navigation buttons as expected
Fix	172376	Tab Parts in job view renamed to Planned Parts (since there is a Withdrawn parts tab too)
Fix	172459	Expanding groups in selections is possible
Fix	172510	Clocked in on job is shown in menu
Fix	172741	Time picker included in downtime reporting

Release Notes MaintMaster 8.12

Separation of planned parts and withdrawn parts on jobs

This is a big change and a great improvement. Instead of depending on the job status, all withdrawals of parts to a job can be made much more explicit. In job card, we have separated the planned parts for a job, and the actual used parts. Those can be the same and it's easy to confirm planned quantity, but they might also differ and let you easily see that difference. If you make an explicit withdrawal to a job, it will always be withdrawn when you make the withdrawal. All parts explicitly used when using the Report guide will also always be withdrawn when reported. If you have planned parts on jobs, but not withdrawn those parts, there is a new setting letting you decide how to handle this and default is to ask the user if missing withdrawals should be made when completing the job. Please have a look at the new setting in System settings to make sure the system behaves as desired.

Return of unused parts to stock

A new function that will save you much time, and increase the quality of your balance in stock, is the new Return function. If you planned 10 pcs of a part for a job, but only needed 8 pcs you can now simply return the leftovers. The Return functionality is introduced in the job card tab Item/Spare parts.

Interval adjustments

In the 8.11 release we made an important improvement of how Interval settings for recurrent jobs is managed, it became its own entity making it more explicit and easier to manage several series of recurrent jobs utilizing same interval. However, this improvement also comes with a risk for unintentional changes to an interval, especially for users accustomed to the previous single setting management. For this release we have added a logical migration step to group intervals that are the same to minimize the number of different intervals. We have also added a permission for managing intervals and finally we have improved the warning message if an interval is in use by other series of recurrent jobs to make sure the user understands the width of the change. Please make sure users have correct permission when it comes to managing intervals, default is denied permission, but everyone with all permissions within system settings will get this new permission too.

Follow-up job for everyone

Since long, creating a follow-up job means that you open the job card of that category. Unfortunately, this means that Essential users or other users without that permission (Create new jobs) was locked out from this powerful feature of creating Follow-up jobs. In this release you can create Follow-up jobs using the guide, or the card if permitted, to allow many more users to enjoy this valuable feature.

Always a little better

As always, we found and fixed some bugs, some of which unfortunately found by you. We thank you for your cooperation and hope you will find this release of MaintMaster the best one yet.

Have fun!

Category	Case	Release note comment
New	145929	Create follow-up jobs via guide. When creating Follow-up job, you can choose between using a guide (new) or the job card (same as before). This enables users that has the permission to order job but not create jobs to create Follow-up jobs.

New	167521	New permission for handling of job intervals, will inherit permission from above in structure, but will be False as default. Please make sure users that need to manage interval settings have the permission to do so.
New	116305	Column Last done included in table provider Recurrent jobs
New	163951	Separate planned and withdrawn Items/Spare parts on jobs. You can now compare the planned quantity with actual usage.
New	169351	As a consequence of the separation of parts on jobs and Report guide, we had to make all guides a little bigger to make room for the extra columns.
New	169351	Whilst improving management of parts, we introduced Return of parts on jobs. If you planned 5 pcs, but only needed 4 pcs you can now simply return the left-over. The Return functionality is only available from the job card.
Fix	166201	Changing event and special period date will update recurrent jobs using them, and users will get a question to avoid mistakes.
Fix	164690	Fixed issue where you could edit job without permission Edit
Fix	165538	Problem with site object hierarchy conditions is fixed
Fix	167446	ShowAs-values for job intervals is fixed
Fix	163978	Export of recurrent jobs show the site object of the job instead of main site object
Fix	165038	Fixed issue where it was not possible to change start date on recurrent jobs
Fix	164677	Fixed issue where it was not possible to deactivate a stockroom-part relation
Fix	165633	It's now possible to delete job instances even if the recurrent job has been deleted
Fix	166085	Fixed bug where it was possible to have two main suppliers for a part
Fix	164538	Property with datatype text can contain more characters

Release Notes MaintMaster 8.11

More configuration

The goal of MaintMaster is clear: You should be in charge of your tool, when you master the tool that support your daily business, you are productive and highly valuable. With this release we made some configuration easier and added new ways to configure. For instance, have a look at the selection settings. It looks a bit different, but is also a bit easier to configure. We also added a couple of new ways to add columns to your table providers, for example you can sort on a different column than the one you're joining when added from a selection to a table provider. For instance, you may want to see the machine that last used a certain part. By joining in a selection of withdrawals, sorted by date, you can add this column to a table of spare parts. We have also added several new table providers to demystify the information you have in your system. Together with the new joining possibilities, this is really powerful. You'll find the new table providers when you manage all your selections in System settings.

All new mobile app

In this release you will see the first step towards a brand new series of apps from MaintMaster. First is the all new app for smart phones, it's our fifth generation. This one will quickly evolve to incorporate all functionality from MaintMaster, brought to your pocket. It will be released in steps over the coming year, and this is the first step.

User acces

A lot of our customers has requested an easier overview of the administrators to separate from standard users and operator and temporary users. Therefor we added another access level; Complete access. Now the four different access levels are; Advanced, Standard, Essential and Basic.

Export and Import

The functionality to Export and, especially, Import has been totally redesigned. It's much more explicit having specific commands for each row and all data is separated to make it a lot less confusing. The user interface is also updated, using the import or export guide will give you greater control of the result. To speed up importing all the work is now done server-side and you may also import several sheets in a one go.

Minor improvements

The list below is quite long, there are over 100 improvements done to MaintMaster. As MaintMaster evolves with new functionality, new products and new apps, we still think maintenance and care is important to improve the experience. And for that reason, we have also found a couple performance issues and fixed them. We hope you like the result.

Enjoy!

Category	Case	Release note comment
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New	(multiple)	We have created a new framework for supporting new apps for all platforms (Windows, browsers, Android and iOS). This release includes a new smart phone app. Look for MaintMaster CMMS in your store.
New	151201	Import now supports multiple Excel sheets at same time, doing all the work server side
New	152276	In multi-row confirm- and delivery guide for purchase orders you can now specify the date
New	153904	Added "Number Type Name" as a ShowAs format for Site Objects
New	154946	When adding a joined value from a selection as a column in table provider, you can now show first value based on sorting in that selection.
New	155420	Improved performance when saving site objects
New	156530	Whenever you impersonate a user, you are required to give a reason, and the action is logged
New	133797	Possible to disable shortcuts
New	134805	Messages from Alerts and Notifications are more informative and richer formatted, including the system it was sent from and name of the setting.
New	142877	Fax is replaced by E-mail address in the purchase order print out
New	148615	Possibility to resend invites and see status on invite on user card
New	150428	Intervals has been moved to an entity of its own. Now you select the interval you want to use when you create arecurring job. The functionality of intervals are the same as before, but now you have multiple jobs using the same interval.
New	150448	"first week of the year" and "first day of the week" system wide settings can now be set from the organizational settings panel in the admin client
New	150703	Added support for using any Azure Active Directory as logon service, for Singel Sign On support.
New	150845	Possibility to use %GROUP% in signature (ctrl + T)
New	150846	Recurrent jobs shows last change by and time on job card and in selections
New	151202	A progressbar appears if bulk management of work is being performed
New	152391	Selection tester is a tool to see if your selections are working and get statistics about them, perfect to find problematic configuration.
New	152800	Guide to change system currency

New	154527	Added user level option to set if cards are to always be shown in front of main window
New	156110	Import and Export has been totally redesigned and much more efficient to use. It's more explicit, it uses server-side execution and can handle multiple sheets when importing data.
New	156237	Optimized spare list on purchase order
New	156999	All dialogs can be closed using Escape button, and those with OK button can be closed with Enter.
New	157191	Optimized database indexes
New	157460	There are quite a few new Table providers to show more data than ever before, for instance relations between site objects and parts. Use them to join data from different tables easily. You see them all where you create new selections.
New	157684	Added showas for Site Objects - "Name [Designation] [Main Site Object]"
New	158440	New table provider which shows round elements
New	158769	Calculated start date is added to Table provider Jobs to show when an instance of a recurring job was originally calculated to be started.
New	159401	Permissions can be exported as Excel sheet to get an overview of permissions and user access licenses.
New	151237	MaintMaster updates the support commitment to support the Windows, Android and iOS platforms according to the mainstream support that is offered from each publisher respectively.
New	159453	New property for all columns, visual priority. Will be used for coming web apps for responsive behaviour in different widths of list. As width decreases, columns will be hidden to utilize the space efficient.
New	159842	Redesign of tab Output columns for Selection settings to make it easier to understand and to utilize the space better.
New	159631	Explicit connection of parts to site objects. We have changed the logic behind how parts are seen as items that fits a certain machine, its spare parts. Now it's explicit. But at the same time we introduce a simple way to see all the parts you have used before, for instance when planning parts to a job.
Fix	151044	Fixed issue where record link field doesn't work for sub selections
Fix	151380	Setting 'include jobs in My own/My group's jobs for persons/groups mentioned in user-defined properties' is now working as expected

Fix	151650	Fixed issue where no default stockroom was set when migrating from earlier version
Fix	152224	Added pictures does not show multiple times on summary page
Fix	152567	Selection join columns can now be used in charts with average as function
Fix	152816	Selection used as condition returns a message when records are more than 20 000
Fix	153864	Deadlines are updated on recurrent jobs
Fix	154762	Correction of calculation columns 'Value at month end' and 'Value at previous month end'
Fix	155151	Fixed issue where printing main site objects did not show MTBF
Fix	158798	Fixed issue when changing physical order in site explorer
Fix	143002	Fixed issue where Main site object where not shown in table provider financial transactions
Fix	143854	The compact representation of instances of recurring jobs are now correctly updated when changes are made to the original job
Fix	144102	Permission View in app is fixed
Fix	147296	Fixed invitation guide to now make it according to license model
Fix	149294	Fixed issue where it was possible to delete an invited user
Fix	151011	When using condition setting In/Not in selection it now shows which selection used in the structure
Fix	151276	Sort order for permissions are based on the access level they use, from highest access to lowest access
Fix	154551	MaintMaster logs problem and closes Connection lost window when connection is re-established, to be less disturbing.
Fix	154562	Fixed issues where added spare on job went missing
Fix	154824	Reservations of parts are released when a job is completed
Fix	154913	Time of day is shown with correct time zone in app
Fix	155155	Untouched recurring job instances no longer shows a "last changed" date

Fix	155818	Possibility to handle negative journal readings
Fix	157000	Withdrawals using same calculation as table Account. Column Value LIFO removed from Withdrawals and Item transfers and Column FIFO renamed to Value in Withdrawals
Fix	159250	Sorting of Permissions has been structured and a bit more logic
Fix	114964	Added job status on workorder printouts
Fix	115270	Print-out Workorder now shows category
Fix	116859	Added location to purchase order request
Fix	120430	Remember focus on cards when changing application
Fix	120905	It 's no longer possible to delete KPI's used on start page
Fix	125214	Print labels now fits to one page, was a little to wide that casues a new blank page after each page.
Fix	125512	When attempting to reopen a closed recurrent job when the original job has been deleted, an error message now shows.
Fix	125577	Relation between document and site object includes comment in document tab.
Fix	125637	Removed possibilty to edit round jobs from object
Fix	126275	Fixes double click when printing reports
Fix	126728	New category will have no default icon. If no icon is chosen it will be given the default icon for that item type
Fix	129714	Bulletin messages can be hidden on individual user basis.
Fix	129770	Fixed an issue where pictures sometimes got cut off when printing
Fix	130093	Can see possible stockroom locations without expanding the dropdown
Fix	131503	When deleting a supplier from a spare the default supplier in selection is properly updated.
Fix	132876	Limitation in auto numbering mode: List is implemented

Fix	133370	Address on summary pages now shows all address lines. Address on Person summary cards now correctly shows company address if "use company address" is checked
Fix	134502	Delivery is created if the inventory quantity is larger than current balance
Fix	136445	Automatic job completion now works in the app
Fix	137241	Fix problems with UNC path when "browsing to directory" on cards
Fix	138534	Fields in guides are selected by default
Fix	138718	Added support for AddOn-changed information to be seen as last updated to any user
Fix	139969	Automatic deliveries now use the price of the standard supplier, if one exists.
Fix	142205	All built-in reports use showas values for all references
Fix	143965	Current job is pre-selected during manual withdrawals
Fix	144591	Fixed issue in app where you couldn't open person card
Fix	145126	Completed jobs planned to events does not change start date when you add dates in the event prior the start date for the job
Fix	145288	In some instances, data in grids were not correctly saved when creating a new item. This has been fixed.
Fix	145881	Delivery document column is now shown on the history tab when viewing deliveries
Fix	147666	Fixed issue where job instances are not changed properly
Fix	148046	Fixed issue where top site object wasn't changed on shortcut
Fix	150835	Added "note" column to selections for withdrawals
Fix	150876	Corrected Swedish expressions in configuration of demo systems
Fix	151088	Fixed issue where templates using bullets became caption on jobs
Fix	151335	Withdrawal guide in shortcuts uses the lowest top site object of user/shortcut

Fix	151348	Fixed issue where barcode is copied to new record when using File->Copy record
Fix	151349	KPI scales same as selection it is created from.
Fix	151422	Job number is included in spare part summary list showing all parts used for any number of jobs
Fix	151776	Removed "Personal heading in task bar" setting from User Settings due to unsupported function in Windows 10
Fix	151856	Added column for job selections, "done date with time of day"
Fix	152159	Integer properties is parsed in a more proper way.
Fix	152227	Fixed a setting for items that hide site objects in some rare occasions
Fix	152539	New dynamic intervals are implemented
Fix	152828	A progressbar is added when starting multiple jobs to show the user there is progress
Fix	153836	Icons are now visible when using super search as limited user
Fix	154555	Fixed issue when changing between rich formats on job category
Fix	155153	Sorting selections now take culture (Å vs A) into account
Fix	155383	Moving site objects in large sites does no longer cause "connections problems"
Fix	155978	Condition compared to current date and time does no longer ignore time of day
Fix	156162	Number label on pictures in printouts is now correctly shown for numbers greater than 9 too.
Fix	156908	Content in "stockroom location" drop down did not include new values when only "stockroom location" was changed
Fix	156954	Each unique job is now only counted once on the Item List printout
Fix	157008	When deleting an invited user a message pops up saying you need to deny user access before deleting
Fix	157261	User permissions are now Advanced, Standard, Essentials and Basic user permission

- Fix** 157757 Newly created groups are now shown in responsible list

- Fix** 158109 Description of XP is shown when hovering above the name of the property

- Fix** 158888 Inventory list shows correct stockroom location

- Fix** 158991 XP's for items can now be used in table providers: Withdrawals, Deliveries, Item transfers, Items due & Items with queued withdrawal

- Fix** 159097 Scrolling steps in site explorer are smaller

Release Notes MaintMaster 8.0.18310

There's lot going on under the hood

We think that the power in a Maintenance Management System comes when it's truly used. And to be used, it needs to be flexible enough to adapt to all your needs. For this release we have, again, increased the possibilities you have, to control the behavior of your system. Much of the work has been done "under the hood" so it may not be obvious to most users. But when you work with selections, using the available conditions or even create your own columns, you will notice major changes and big possibilities. Another important reason for much of the background job we've done, it to solve some hard to catch functionality divergencies, in other words problems relating to inconsistent data. A new framework for all system settings has been implemented to, at all times, assure a coherent set of system settings, which in turn secures consistent data.

Tables and columns

You are probably used to work with selections in MaintMaster. All selections are created from another selection, or, for the first level, from a Table provider. These table providers have been around for a long time but hidden to users. Now you can edit these table providers to add functionality that you previously added to individual selections with the great advantage that you can use these columns just like any column you used before. For instance, you can set condition on a Date diff column, or sort on a joined selection aggregated value (most expensive jobs on most important machines). Our idea is to introduce these powerful features in releases of MaintMaster to minimize your need for custom conditions using SQL-language. We really hope that you'll find these new features powerful and useful.

Preparation

We are already creating future releases of MaintMaster. But to make it smoother, we sometimes introduce a preparation in the current release. This time we even have introduced a Beta-functionality that you can test free of charge!

To be more productive

We have introduced a few minor new functions that helps to improve how effective you are when using MaintMaster. For instance, you can now confirm and deliver batches of parts in a Purchase order, making it a lot quicker. We've changed how selections are filtered to quickly show you the result you where looking for, increased speed when searching and improved how selections are updated when someone else makes a change. Another small improvement is that selections and charts can be assigned to individual users, not just Roles as before. In many cases, Roles are better, but sometimes you just want two or three people to see a certain view, and now you can. A really powerful feature is that you can create value lists of your own. You add a property and add a small list of accepted values. For this release we made some small but significant improvements to these values lists, since they are used almost everywhere. You can sort the list, change the values and even disable values you no longer wish to use. And since they now have icons, you can create beautiful charts based on your value lists values.

A lot of fixing

As always when we make new releases, we strive to fix problems you have reported. Unfortunately, we don't have resources to fix everything, that would delay the release too much. However, as you can see below, we do have fixed a lot of problems. We have also increased performance in many ways, we hope you will notice.

Enjoy!

Category	Case	Release note comment
New	111206	Hyperlinks to for instance webpages can be added to startpage.
New	139989	Rotated images now get the proper rotation in MaintMaster
New	140133	Added condition in selections to always both include and exclude certain records
New	144092	Selection, kpi's and charts can be assigned to any user, not just roles.
New	144826	Value lists in extended properties can now be sorted, change their values and have icons
New	145596	GDPR data management requirements have been implemented in many details, like background mailing services
New	145851	Table providers are now editable. In addition to automatically add any custom created property as column, you can also add columns as date diff or a column from related selection. These can later on be used just like any column in selections.
New	146958	BETA! New data collection readings available as Beta feature. Collect any data from machines or other integration, use them with the powerful features in MaintMaster you already know.
New	147164	Caching mechanisms has been reworked to reduce local footprint
New	147452	Indicators having no values will tell the user that there is no data, instead of showing 0
New	147714	Images used for navigation or job descriptions are not stored in database, but safe Azure storage, to reduce footprint and increase speed. Local image cache is encrypted.

New	147777	A new setting to improve filtering of large selections is added. Result will display faster, ready for a refined filtering.
New	148050	Now you can print, save and open you pictures added as description to jobs, spare parts and other stuff.
New	148375	There is a upgrade and migration log in Advanced tools in System settings to show every change made to current system while upgrading.
New	148523	New way to manage Addon registration to make it easier for more Addons to be started by administrator
New	149124	Permissions are grouped by the License they require. Standard, Limited and Free users. This column is also available in Person selections. Please note that even if a person can change license type, a permission can't.
New	149713	New simple integration service available, for additional license, to export any selections to any Microsoft SQL Server locally available
New	150930	The exchange rate editor is added. Now, rates are provided against any enabled currency, with up to six decimals.
New	150931	There's now an option to read currency exchange rates from an online source.
Fix	119955	Card lists are all sorted descending to show the most recent at top.
Fix	120389	Dialogs for start page component editing now works good even in quite verbose languages.
Fix	131759	Next date for delivery will be updated with confirmed date if such exist.
Fix	132328	Excel export of data in formats not accepted by Excel is now formatted to something Excel accepts.
Fix	132391	Chose which records to include in Financial transactions selection
Fix	132890	Search and add spare parts to suppliers directly from a purchase order
Fix	132905	Conversion between currencies mange the rounding problem that sometimes ocured when precision is different in the two currencies.

Fix	133456	The view permission for company now has the correct name
Fix	138354	Selected node in Site tree stays selected
Fix	138535	Purchase order with many details is now simpler to confirm and deliver
Fix	138720	It is now possible to chose explicit site objects with same name in lists, even if they don't have number. However, it's still very much recommended to have Number for each individual site object.
Fix	138857	Consumption units are used in print-outs for jobs, for instance work orders and round lists
Fix	139361	Extend support for cyrillic alphabet in full path file name
Fix	139789	The Item/spare parts tab on a job card now uses the correct name for the "Select records" button in the help text
Fix	140740	It's not possible to make purchases to deactivated cost centers
Fix	141296	Support for cyrillic letters in standard text
Fix	143297	Disabled stockrooms are not available when choosing stockrooms for a part
Fix	146189	Dynamic dates uses the whole month instead of 28 days in selection conditions
Fix	147671	Sorting of values in charts can be used with a compilation of the remainder
Fix	149166	Recurring jobs re-calculate future jobs correctly if based on latest completed job
Fix	149402	Cost types for parts are inherited correctly from category.
Fix	149579	Rounding of values from Import has been added to reduce unpredictable aggregated values

- Fix** 149684 Small improvements when editing Summary pages.
- Fix** 149706 Transaction for removed stockrooms still are shown in history selections
- Fix** 149712 Images are, if wanted, included on label print-outs of items/spare parts
- Fix** 149750 Template text will be removed when caption is created from description in a job guide
- Fix** 150036 Selections are not updated when you have more than one record selected. However, F5 still refreshes the selection.
- Fix** 150184 Links in copied systems, for instance a Sandbox, now refer to objects in same system.
- Fix** 150268 Inactivated cost centers are only shown for historical transactions
- Fix** 150881 Menu reloading has been improved to increase performance