TYPICAL ✗ MANAGER®
POWERED BY YELLAX

What's new

2024

YELLAX

HANDS-ON IMPROVEMENT

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Project view

Nowadays, projects and installations are becoming increasingly large-scale and complex. This increase may have a negative impact on the user experience, mainly because actions take longer to process. In Typical Manager 2024, we have made promising adjustments to significantly reduce waiting times.
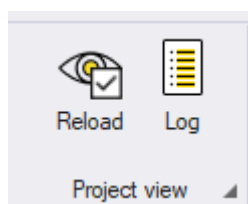
Saving time by loading Product configurations on demand

In version 2024 of Typical Manager, we have given users more control over loading the configuration. It is now up to you to decide when to start this process, greatly reducing the wait time. Once loaded, the configuration is preserved and reused when you or your fellow users for example reopen or switch pages within the same Project.

[Read here what a Configuration is.](#)

In previous versions, the Configuration of all Project components was loaded when opening each screen in a Typical Manager Project, which was a time-consuming process, especially for larger or more complex projects.

To assist users in this process, we have introduced the Project view in the top right corner, which indicates whether the Configuration results within the current Project are up to date or not. Here you can also initiate updating the Project view for you and your other Project users.
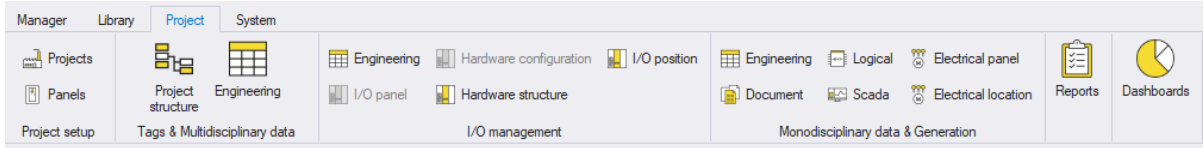

See the table below for the differences between the previous and current situation.

	Current situation	Previous situation
Advantages	Users have more control over when loading the configuration, User decision on reloading configurations	A shorter period of an outdated Attributes/Typicals status (because it was loaded more frequent)
	Configuration is stored and reused, Reduction in waiting times during screen transitions	
Disadvantages	A larger possibility of seeing outdated (de)selected product items. The user is well informed when this is potentially the case.	Configuration is not stored and reused, and therefore: Long waiting times during every screen transitions

User activity within Typical Manager

As a user, you want to be able to better oversee which other users are currently working/online in the same Typical Manager Database. Especially with the new Project view where you get insight into each other's changes and therefore potential impact on your work.

Change in Product configuration validity status display.

An update was recently made to improve the display of Product configuration statuses in the Project structure feature. To reduce waiting time and improve performance, configuration statuses are no longer visible by default when opening the application. However, you can easily view them by loading the status on the column header.
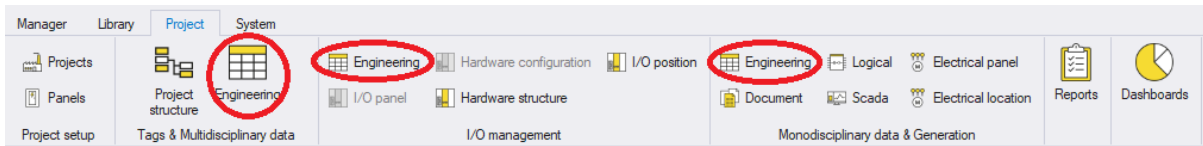
Renewed Project menu bar

We have reorganized the Project menu bar to support a more natural way of working. The realization of a project consists of consecutive phases of project data collection, I/O management and finally output generation.

Engineering tab pages from different menu buttons

With this, navigating to the Engineering screen has also become context sensitive. An button for each phase has been created that takes you directly to the correct tab page. This has the added advantage that the correct data is loaded immediately and there is no need to wait until the last opened tab page has finished loading to then navigate to the desired tab page.

Import external reference Id

It is now possible to set an external reference id for Project rows. This can be an Id from external software, like Autocad P&ID or Revit.

New rows can be imported, and existing rows can be changed based on this id. Similar to the import by Tag id and by Structure id.

Attributes

Allowed Selection list values

Selection list attributes now have Allowed values. These Allowed values define which Selection list values can be used for the Attribute. The benefit is, that the same Selection list can be used for different applications even when not all the Selection list values have to be available for the different applications.

In the Product configuration and the Library modules, the user can choose which values are allowed for that particular application of the Attribute. By default, all the values are allowed.

In Library and in Project only Allowed values are visible and can be chosen for the Attribute.

*See that the option [unknown] is not allowed, and therefore, cannot be chosen as value.

Takeover for Station product attributes and Unit product attributes

In this version of Typical Manager, new Takeover Attributes have been introduced, namely the Station product attribute and the Unit product attribute. You can create both attributes in the Library >> Attributes section. To do so, open the 'New Attribute definition' popup and select 'Takeover' as the type and 'I/O' as the subtype. The new Attribute can be found under 'Value'. The Attributes which value should be copied, can be chosen from the dropdown list under 'Attribute'.

This feature is useful when Attribute values are stored in I/O Units or Stations, and there are I/O modules assigned to their channels which need to know what that value is.

For example:
A Unit has an Attribute 'Safety zone', and the I/O, assigned to the Unit should know in which safety zone its PLC Unit is located.
For this situation a takeover Attribute is now created.

These 'Takeover' attributes need to be placed in an IO module and can retrieve attribute values from products placed on a Station or a Unit. However, it is important to note that the IO module must be placed on an IO channel for this to work.

Takeover for I/O module attributes

A new value for the 'Take over: I/O Channel' attribute is added, called the 'I/O module attribute'. To create this Attribute, go to the Library section and navigate to the Attributes tab. In the 'New Attribute definition' popup, select 'Takeover' as the Attribute type and 'I/O channel' as the subtype.

During the creation of the Attribute, you can choose the desired value from the dropdown list labeled 'Attribute'. This selection determines from which Attribute the value should be copied.

This feature is particularly useful when Attribute values are stored in I/O Modules and need to be utilized by products belonging to Units.

For example: An I/O unit product contains a Document (Typical) which describes what the connected components are. In former versions it was possible to get the Tag id/Tag description and other properties of the I/O connected to its channels.
Now its also possible to utilize custom properties (Attribute) from the I/O module connected to the Channels of the I/O unit like 'Location' or other specific properties.

The 'Takeover' attribute needs to be placed in an I/O Unit product and can retrieve attribute values from IO modules placed on a Channel, which belongs to the Unit.
However, it is important to note that the IO module must be placed on an IO channel for this to work.

I/O Panel

Import & export

Individually dividing all I/O Modules to the desired panels can be a time-consuming and error-prone task. To improve this process, it is possible to do so through an Excel import. Using Excel, the user can establish the connections between products, modules, and panels. These data are Import 1 on 1 (without any inheritance from parents) to ensure the operation is as intuitively as possible.

Products are matched in Excel based on Structure Id or Tag Id. Modules are matched based on Module name and Module Function.

The following columns are mandatory:

- Structure Id or Tag Id
- Module name
- Module Function
- Panel name

To simplify the setup of the Excel file for the user, it is possible to generate an Excel export of the current I/O Panel screen.

Load modules

To lower the waiting time for opening the I/O Panel screen, the Configuration results are no longer determined automatically upon opening the screen. The configuration results include, among others, the icons on the left side.

These statuses in the I/O Panel form will now appear on demand in the "Conf. Status" column.

Database optimization status

In Typical Manager version 2024, we have introduced a new column in the database overview within the Typical Manager Control Center. This column indicates whether your current database settings align with our recommended optimizations, ensuring optimal functioning of the database.

To simplify the configuration process and improve performance, we have added a new option in the right-click menu: "Database options" -> "Optimize database". By selecting this option, you can easily configure your database settings to maximize efficiency based on our recommendations.

This optimization not only improves performance but also enhances predictability and consistency, providing a more reliable and efficient experience with Typical Manager.