Weidmüller GTI Software

PROCON-WEB

Release Notes 6.12

New features, improvements and technical enhancements

Customer information

Weidmüller GTI Software GmbH
Georg-Mayr-Straße 9
97828 Marktheidenfeld
Deutschland

T +49 9391 98 96 0
info@gti.de
weidmueller-gti-software.com

Geschäftsführung
Fabian Hoppe
Julien Rausch
Dr. Thomas Bürger
Markus Wegner

Amtsgericht Würzburg
HRB 6545
USt-IdNr. DE 812674744

Bankverbindung
Deutsche Bank Würzburg
IBAN: DE05 7907 0016 0011 4439 00
BIC: DEUTDEMM790

About this release

PROCON-WEB 6.12 extends project configuration and the Runtime with new features for visualisation, multilingual support, alarm management, integration and performance. Numerous workflows in the Designer and the Runtime have also been simplified.

Supported operating systems (64-bit)

- Windows 10 IoT Enterprise (LTSC2021)
- Windows 11 Pro Version 25H2
- Windows 11 Pro Version 26H2
- Windows 11 IoT Enterprise (LTSC 2024)
- Windows Server 2022
- Windows Server 2025

Approved browsers

- Google Chrome (version 125 or later)
- Microsoft Edge Chromium (version 125 or later)
- Mozilla Firefox (version 126 or later)
- Apple Safari (version 27 or later)

Older browser versions can generally be used, but are subject to functional limitations:

- In Chromium-based browsers, empty Containers and empty Picture Areas are only hidden from Chromium version 105 onwards.
- The PDF Control is only supported from Chromium version 125 onwards.

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Updated installation and project paths

From version 6.12 onwards, PROCON-WEB is no longer installed directly under C:\. The default installation path is:

```
C:\Program Files\GTI\PROCON-WEB
```

By default, projects are saved in the user directory:

```
C:\%USERPROFILE%\Documents\PROCON-WEB
```

If you would like to use a different directory for your projects, you have two options:

1. On the Designer start page, click **'Working directory'** and select the required directory.
2. In the Designer, use 'Open project' to open an existing project from the required directory. The directory is stored in the project.
3. The working directory can be changed for all projects in the options.

Updated ports

New port for the Web Runtime: https://{servername}:16443/hmi/

Breaking Changes

Breaking changes are maintained in the product documentation, where they are listed by version.

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New features

MCP server

MCP server integration. The current development version is a beta release. Access is only available by contacting Support (setup and licensing).

Reference: 132865

Available for SCADA and ES

Grouping elements

Multiple graphical elements can be combined into a named group and moved, scaled and, where supported, rotated together. Individual elements remain editable. Groups can be ungrouped at any time, with the original elements retained.

Reference: 121822

Available for SCADA and ES

Integrated OPC UA server configuration

The OPC UA server from PROCON-Connect can be configured directly in the PROCON-WEB Designer and used for SCADA and Embedded Systems projects. The configuration is transferred to the Runtime together with the project.

Reference: 132414

Available for SCADA and ES

Extended enum support

Enums can be conveniently managed, imported and exported, and assigned to process variables. Multilingual enum texts are maintained in the Dictionary. Enums can be used in numeric displays, constant texts, tooltips, alarm texts, and client-side and server-side scripting. A fallback text can be configured for undefined values.

Reference: 76850

Available for SCADA and ES

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PDF navigation using bookmarks and entry points

The PDF control supports defined entry points using a page number or an existing PDF bookmark. The bookmark structure can also be displayed in the control and used for navigation. If an entry point cannot be found, the document opens on the first page.

Reference: 125341

Available for SCADA and ES

Dynamic text lists with stable IDs and return values

Dynamic text lists support ID-based entries and freely definable return values. Display texts and return values can therefore be managed independently of the list position. The previous list format remains compatible.

Reference: 115118

Available for SCADA and ES

Client-specific alarm filters and dynamic filter switching

Alarm filters can be assigned to individual clients and switched at runtime. A default filter can be defined for clients without an explicit assignment. New system variables provide client-specific alarm information, taking the active filter into account.

Reference: 115070

Available for SCADA

Dynamic additional information for alarms

Alarm texts and technical identifiers such as FKZ or BMK can be managed and displayed separately. Additional information can be defined statically or generated dynamically from process variables or Dictionary entries. This makes international projects easier to maintain and translate.

Reference: 107923

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Dictionary

Selection dialogue remembers its size and position

When reopened, the Dictionary selection dialogue is displayed at its last-used size and position.

Reference: 127580

Available for SCADA and ES

Improved text entry

When editing texts, existing text IDs no longer need to be removed manually from the input field. This makes editing Dictionary texts more intuitive and less error-prone.

Reference: 114809

Available for SCADA and ES

Local Dictionary enabled by default

The local Dictionary is enabled by default for new installations. The associated settings have also been renamed to distinguish more clearly between the local and global Dictionary.

Reference: 126005

Available for SCADA and ES

Improved translation management

Language values that differ from the default are highlighted. New actions allow default values to be applied to all languages, individual translations to be adopted as the default or reset to the default. Bulk changes support undo and redo.

Reference: 125873

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New entries remain visible when a filter is active

Newly created Dictionary entries remain visible and can be edited directly, even if they do not yet meet the criteria of an active filter.

Reference: 127569

Available for SCADA and ES

Improved traceability of Dictionary entries

Information about the origin of newly created texts is automatically added to their description. This makes them easier to find and manage, particularly in large projects.

Reference: 110975

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Designer

Wizard control for Embedded Systems

The Wizard control can now be used in Embedded Systems projects as well as SCADA projects.

Reference: 132370

Available for SCADA and ES

Simplified checkbox display

The additional ‘Yes’ and ‘No’ labels have been removed. The state is indicated solely by the checkbox.

Reference: 116483

Available for SCADA and ES

Improved device assignment

The client assignment dialog clearly distinguishes between the currently assigned participant, online status and assignment status. Participants are sorted alphabetically; non-dedicated participants remain at the top of the list.

Reference: 130050

Available for SCADA and ES

Warning when changing the project name

When the project name is changed, the Designer warns of possible effects on the project ID and the associated Runtime database.

Reference: 120396

Available for SCADA and ES

Obsolete ‘Select immediately’ property removed

The property, which no longer had any effect, has been removed from the screen properties.

Reference: 116118

Available for SCADA and ES

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Centred text alignment in ComboBoxes

Text within a ComboBox can now also be centre-aligned. This applies to both static and dynamic content.

Reference: 112675

Available for SCADA and ES

Improved error detection in structures

Errors in child elements are propagated to the top level of the structure and are also indicated in the export dialog.

Reference: 111563

Available for SCADA and ES

Improved screen selection dialogue

Screens are sorted alphabetically, navigation screens are excluded from the selection, and the size and position of the dialogue are saved.

Reference: 116480

Available for SCADA and ES

Insert objects at the mouse position by default

For new installations, new objects are inserted at the current mouse position by default. Existing installations retain their previous setting.

Reference: 125994

Available for SCADA and ES

Faster bulk deletion of structure instances

Responses to recurring confirmation dialogues can be applied to subsequent operations of the same type. This reduces the user interaction required for large-scale deletion operations.

Reference: 116104

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Continuous status display during project conversion

The project conversion notification remains visible throughout the conversion process.

Reference: 130564

Available for SCADA and ES

Improved access to instance information

When the class-instance dialogue is opened from a control instance, the associated instance information can be displayed directly.

Reference: 127765

Available for SCADA and ES

Export projects as Runtime packages

Projects can be exported from the Designer as .pwproj files and then imported into a Runtime via the SystemState page.

Reference: 133265

Available for SCADA and ES

Optimised write behaviour for sliders

Sliders can be configured to transfer the value to the process variable only when released. Continuous value transfer remains available.

Reference: 132726

Available for SCADA and ES

Extended and more clearly organised standard units

New projects include an extended selection of commonly used standard units. The units and selection dialogue is sorted alphabetically by name when first opened.

References: 133198, 116302

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Improved display of AO structure assignments

The new ‘AO Structure’ view displays structure assignments for automation objects directly in the attribute window. Assignments can be checked and adjusted more easily; dynamic assignments are also displayed.

Reference: 115110

Available for SCADA and ES

Vertical scrolling in the navigation container

Vertical scrolling can be used in the navigation container.

Reference: 111739

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Runtime and integration

Automatic input focus

For numeric, Boolean and string input fields, you can specify which control automatically receives focus when a screen is opened. The existing content is selected, and any configured input dialogue or touch keyboard opens automatically.

Reference: 127599

Available for SCADA and ES

System alarm for a client time discrepancy

When a session is established, the client time is compared with the server time. If the difference exceeds two minutes, a system alarm indicates that time synchronisation is required.

Reference: 111731

Available for SCADA

Touch scrolling in dashboard edit mode

Dashboards can now also be scrolled using touch in edit mode.

Reference: 114040

Available for SCADA and ES

Alphabetical sorting in the Runtime test environment

Process variables are sorted alphabetically by name in the Web Runtime test environment.

Reference: 133842

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Configurable alarm behaviour on system restarts

For global alarms, you can specify whether they are triggered again after a controlled restart or remain active with their original trigger time. Local alarms and system alarms continue to be handled as before.

Reference: 12439

Available for SCADA

HTTPS requests from server-side scripting

External HTTPS interfaces can be called asynchronously from server-side scripting. The destination address, parameters, headers and timeout are configurable; the response status, content and headers are available for evaluation.

Reference: 125712

Available for SCADA

Improved screen selection dialogue

The revised screen selection makes it quicker to find, filter and sort screens, and provides a central interface for switching, adding and closing multiple active screens. This makes navigation significantly more convenient, particularly in large projects.

Reference: 134436

Available for SCADA and ES

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Performance and architecture

Faster ‘Save as’

The ‘Save as’ function has been optimised, particularly for large and very large projects. This provides more efficient support for extensive project configuration work and migrations.

Reference: 133936

Available for SCADA and ES

Pre-caching and Intersection Observer

With the Intersection Observer, the Runtime can prioritise the processing of visible content. Pre-caching prepares selected screens when the project starts, speeding up subsequent screen changes. The appropriate strategy depends on the project structure.

References: 124810, 125338

Available for SCADA and ES

Event-driven communication between server components

Communication between the TagServer and the web server has been changed from regular polling to event-driven processing. This improves the foundation for large projects with many process variables, clients and active users.

Reference: 125242

Available for SCADA

Modernised Runtime architecture

Core Runtime components for dynamic properties, along with internal input, event and export mechanisms, have been modernised. Outdated dependencies and redundant logic have been reduced to improve maintainability and scalability.

References: 109162, 109165, 125297, 125567, 125067

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Optional extension

Custom Control for animated SVG graphics

A Custom Control for animating SVG graphics can be provided for project-specific requirements, for example to display dynamic fill levels or flow movements. The control is not part of the standard PROCON-WEB product.

Reference: 131770

Available for SCADA and ES

Known limitation

Dictionary: translation management

If a previously overridden language value matches the default value again following a manual change to the default value, the override indicator remains. In this situation, the actions ‘Reset to default’, ‘Use as default’ and ‘Apply default to all languages’ only become available correctly again once the language value and the default value differ again.

Reference: 125873

Available for SCADA and ES

Bugs

Various bugs have been fixed in this release to further improve the security, stability and reliability of the software.

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