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SIMATIC

Process Control System PCS 7 What's new in SIMATIC PCS 7 (V8.0)?

System Manual

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What's new in SIMATIC PCS 7 V8.0 compared to V7.1?

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The following paragraphs provide an overview of the most important functional enhancements and expansions in SIMATIC PCS 7 V8.0 compared to SIMATIC PCS 7 as of V7.1.

Overview of highlights

- **Operating system**

SIMATIC PCS 7 V8.0 runs on the following operating systems:

- For engineering station, single-station system and OS client:
 - Windows 7 Ultimate/Enterprise SP1 (32-bit or 64-bit)
 - Windows XP Professional SP3 (32-bit)
- For engineering station, single-station system and OS server:
 - Windows Server 2008 R2 SP1 (64-bit)
 - Windows Server 2008 SP2 (32-bit)
 - Windows Server 2003 R2 SP2 (32-bit)
 - Windows Server 2003 SP2 (32-bit)

Engineering Station

- SIMATIC PCS 7 Maintenance Station

The Maintenance Station provides information on the status of all SIMATIC PCS 7 components in hierarchically structured diagnostics screens.

The maintenance station can be configured as a single-station or multiple-station system.

- Support of PROFINET as fieldbus

The PROFINET fieldbus system enables the connection of existing field devices from PROFIBUS DP and PROFIBUS PA and distributed I/Os.

- Redundant, fault-tolerant terminal bus
- Cyclic archiving of projects and readback of block parameters

Process Historian/Information Server

The new Process Historian with Reporting System is introduced with SIMATIC PCS 7 V8.0.

SIMATIC PCS 7 Advanced Engineering (AdvES)

Advanced ES V8.0 is also available for SIMATIC PCS 7 V8.0 with the following highlights:

- Workflow Guide for a guided engineering process
- Definition of variants for the control modules to reduce the number of templates
- Bulk engineering for PCS 7 alarms

SIMATIC PCS 7 RACK PC

- New type, SIMATIC IPC547D
- Configurators enable increased flexibility in terms of the selection of SIMATIC Rack PCs

PROFINET Integration

SIMATIC PCS 7 V8.0 consistently supports PROFINET along with the proven PROFIBUS DP/PA. The following automation systems are available for PROFINET integration:

Standard automation system via PROFINET interface in the CPU (CPU 414-3PN and CPU 416-3PN) or communication module CP 443-1

Automation systems

In addition to the known automation systems

- Standard
- Fail-safe
- Fault-tolerant
- PC-based

PCS 7 mEC RTX are available as of SIMATIC PCS 7 V8.0 as additional automation systems.

A number of centrally connected IO modules are also supported with PCS 7 mEC RTX. These features provide a cost-effective solution for small-scale applications and distributed control systems.

Extension of the APL and Basic Library

- Diverse new blocks extend the APL functionality
- System blocks for compact drives and for the connection of Motor Management Systems in accordance with PROFdrive Profile
- Fluttering suppression for diagnostic, remove module and insert module interrupts

Batch

- Performance improvements with an AS-based operating mode
- Revision of diverse controls and dialogs

Licensing

- With SIMATIC PCS 7 V8.0, the number of licenses displayed has been reduced significantly
- Licenses are consistently separated from the function and scalable quantity framework, whereby all scalable license are run as count-relevant.

Engineering Station - What's new in PCS 7 V8.0?

2.1 CFC - Engineering What's new in CFC V8.0?

Version 8.0 contains the following extensions or changes compared to the previous version, V 7.1.2:

- **Fine-grained operating permissions**
You can use the new "Op_Level" attribute to configure levels of operator authorization levels for a block type.
- **Block encryption**
CFC supports the encryption of individual blocks
- **New concept for process tag types and process tags**
In addition to process tag types and process tags, there are now control module types and control module units. These support instance-specific changes in case of process tag synchronization and several versions of process tag types. Enhanced data communication with PCS 7 Advanced ES is also possible.

Version 7.1.2 includes the following extensions or changes compared to the previous version, V7.1:

- **Number of possible AS-wide interconnections**

The maximum number of AS-wide interconnections is no longer limited to a specific number but is determined by checking the transfer volume over time. The additional load of the configured CPU due to AS-wide interconnections is calculated based on the following parameters:

- Data types of the interconnections
- Cycle times of the send and receive OBs
- Performance of the configured CPU

If the maximum value for the configured CPU is exceeded, an error message is output.

It may no longer be possible to compile a program with AS-wide interconnections that could be run with the previous version. This is the case if the default of 30% maximum CPU load for AS-wide interconnections in this program has been exceeded. If you increase this default to the correct value, then you will be able to compile the program once again.

- **The "Force" functionality now supports a higher number of I/Os**

A maximum of 8192 I/Os can now be forced (8192 standard and 8192 F I/Os)

- **New configuration options for locations**

- Several instances can now be created from a location type
- There are now standard location types with fixed names
- A range of numbers for locations can be specified in the project

2.2 PO - What's new in PO V8.0?

Version 8.0 contains the following extensions or changes compared to V7.1:

- Compression of archive tags in the process object view
Archive tags can now be compressed. Collection and storage of the archive tags is now only performed when the configured acquisition cycle has expired or the specified tolerance range is exceeded.

2.3 PH - What's new in PH V8.0?

Version 8.0 contains the following extensions or changes compared to version 7.1.2:

- PDM Diagnostics
The new "PDM diagnostics" function allows the status of the field devices to be queried and displayed. PDM Diagnostics does not require a Maintenance ES license.
- Basic diagnostics
With the new "Basic diagnostics" function, it is possible to use the basic functionality of diagnostics without a license. Basic diagnostics monitors PC stations, network objects and AS stations. Detailed diagnostics of the AS stations and the expansion with the user diagnostics area require the "Maintenance ES" and "Maintenance RT" licenses.
- Shadow hierarchy (only relevant when using SIMATIC BATCH and SIMATIC RC)
Using the menu command "Options > Plant Hierarchy > Import Process Cell", you can import objects from one multiproject to another. These imported objects are represented a shadow hierarchy in the PH.

2.4 APL - What's new in the Advanced Process Library V8.0?

New blocks in the Advanced Process Library for PCS 7 V8.0

AssetM

The block is used to monitor three analog process variables and reports the maintenance status of these process variables.

CntOhSc

Combined block for recording operating hours and start-up events.

RealToDw

Block for converting a REAL number into a double word.

FbDrive

Channel block for compact drives

FbSwtMMS

Channel block for motor management starter

Pcs7Cntx (x=1..3)

Channel blocks for recording count values of counter modules.

StRep

Block for configuring a block group for alarm hiding.

AutoExcitation

The block is used to generate suitable trigger signals for the identification of dynamic, multi-variable process models for a model-based predictive controller, ModPreCon.

LPOptim

Block for optimizing a linear performance function. The block is used by the ModPreCon block for static operating point optimization.

Block extensions in the Advanced Process Library for PCS 7 V8.0

Polygon

The polygon block can be cascaded.

Event and Event_TS

The messages generated by the Event and Event_TS blocks were added to supplement the SIMATIC BATCH information.

PidConL

Extensions to the continuous PID controller, PIDConL:

- Connection of an external control deviation
- Monitoring for the control deviation can be suppressed for a configurable period of time following a setpoint step.

PidConR

Extensions to the continuous PID controller, PidConR

- Connection of an external control deviation
- The proportional action can be connected to the feedback.
- The derivative action can be configured for the control deviation and connected to the feedback.
- Generation of time-stamped messages by the EventTS block.

MotSpdCL

The MotSpdCL block determines the machine and motor speed using a gear reduction factor.

RateLim

Extension of the RateLim ramp block by the "Ramp-shaped approach to a target value" function.

SelA16In

The signal selection can now be specified by an interconnectable input for the SelA16In block.

Motors, valves and dosers

- Outputs have been added to the following blocks to indicate if control and feedback match: MotL, MotRevL, MotSpdL, MotSpdCL, MotS, Viv2WayL, VivL, VivAnL, VivS and VivMotL.
- The following blocks now allow you to specify whether bumpless switchover should be performed in automatic mode or via interconnection: MotL, MotRevL, MotSpdL, MotSpdCL, Viv2WayL, VivL, VivAnL, VivMotL and DoseL.

Channel blocks

- The channel blocks support the flutter suppression function for OB82 and OB83 events of the system blocks from the PCS 7 Basic Library V8.0.
- Detection of frozen measured values by the analog channel blocks

Extension of the gradient specification with the TimeFactor parameter

- The gradient specification for setpoints and manipulated variables has been supplemented with the TimeFactor parameter for the following blocks: MotSpdCL, VlvAnL, OpAnL, PIDConL, PIDConR, PIDStepL, FmCont, FmTemp

Other new features

- Limit inputs and control inputs of the blocks can now be interconnected.
- The blocks support instance-specific and parameter-specific setting of the operator authorization level.
- In the "Out of service" mode, a feature bit can be set to determine whether active limits should be reset or remain in effect.
- Activation of simulation mode via interconnectable inputs.
- Conditional triggering of the initial value acquisition at Intlkxx blocks.

2.5 APL - What's new in the Advanced Process Faceplates V8.0?

What's new about the block icons

Newly revised and visually-optimized V8 block icons.

- Block comments as tooltip text
- Inactive status displays of the motor and valve icons are no longer displayed.
- No display for the "On" operating mode
- Double coding of the icons for valves (rotation of the single valve icon or cross lines for a two-way valve)
- Motors with motor signs or arrows in different directions
- New types with smaller representation of the MonDiL / MonDiS and MonAnL / MonAnS icons
- New types of icons, controller without display of manipulated variable
- Display of alarm condition in the process value view
- Configurable text display of active operation for binary control icons.
- Fine-grained, instance-specific operating authorization via new "Op_Level" attribute at the AS block

What's new in the faceplates

- Support for the new PCS 7 operating permission, "Extended Operation 1" and "Extended Operation 2" (free project-specific operating permissions)
- The "Lock messages" key can be made operable with the configured permission in the internal tag, "@ LockMessageAuthLevel"
- Improved representation of limit display in the bar graph
- Display of an active delay time for faceplates
- Display of ramp target value in the bar graph in gradient mode.
- Use of the new "TimeFactor" parameter in all ramp views
- The actual process value (PV) is displayed in the preview in simulation mode.
- The gradient display disappears in the standard view of the MonAnL block when gradient monitoring is disabled.
- Immediate display of archive tags when opening the trend view via the configuration at the block icon.
- Return to the controller faceplate from GainSched
- Hiding of non-interconnected inputs in the SelA16In faceplate
- Label of the jump button can be changed for the specific instance at the AS block
- User interfaces available in Japanese
- Extension of the ModPreCon user interfaces for the prediction and operating point optimization function

2.6 Basic Library - What's new in the Basic Library V8.0?

New blocks in Basic Library V8.0

MOD_DRV

System block for the connection of compact drives.

MOD_SWT

System block MOD_SWT for the connection of motor management starters

Extension of blocks

- Extension of ASSET functionality
- Support of multiple MODE allocation for the 6ES7331-1KF02-0AB0 module
- The PADP_L10, MOD_PAX0, MOD_PAL0 system blocks have been extended to 32 channels.
- Flutter suppression for OB82 and OB83 events
- Support for new hardware:
 - S7_mEC
 - S7-400 STD. CPU V6

Operator Station - What's new in PCS 7 V8.0?

Overview

Version 8.0 contains the following extensions or changes compared to the previous version, 7.1:

- PCS 7 Web option
 - SFC visualization for Web clients
 - Online trend configuration on the Web client
 - Web Client V8.0 can be connected to Web Server V7.1
 - "Load balancing" functionality for automatic distribution of Web clients to Web servers.
 - Terminal server and Web server can be on a single computer

SIMATIC BATCH - What's new in SIMATIC BATCH V8.0?

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What's new in SIMATIC BATCH V8.0?

1. In addition to the "MS Windows XP" and "MS Windows 2003" operating systems, SIMATIC BATCH has been approved for operation with the "MS Windows 7 (32-bit and 64-bit)" and "MS Windows 2008 (64-bit)" operating systems. BATCH clients can be operated with "MS Windows XP" or "MS Windows 7" independent of the server operating system.
 - In SIMATIC PCS 7 V8.0, the Common Archive Server (CAS) has been replaced by the new Process Historian (PH). SIMATIC BATCH can archive batch data on a PH and perform revision archiving. The "Viewer for archived batches" application can load batch data from the PH and graphically visualize it on each BATCH client.
 - New layouts for logs
 - Improved performance for logs
This step improved performance and modernized the layout.
 - Launch Coordinator and server applications are operated as services. As a result, these applications are started automatically and independent of the user logon when the operating system starts.
2. The range of functions in SIMATIC BATCH can be adapted for each user. Central settings are made in the user settings; decentralized settings are performed in the dialogs on site. This includes, for example, the reduction of allocation strategies, the reduction of objects in the BCC tree, limitations of ESIG, hiding certain columns in dialogs, and much more.
3. Recipes of third-party manufacturers in BATCH ML format can be imported into the SIMATIC BATCH system and executable batches can be generated.
4. BATCH engineering has been simplified with a new configuration dialog, in addition to the existing configuration dialog.
5. Error information has been expanded to enable better error localization in batch mode.
6. All dialogs for project and user settings have been adapted to the new design and provided a clear layout.
7. The operator dialog (OPD) has been supplemented with unit information.
8. New electronic signatures for deleting recipes, formulas and libraries have been introduced.
9. Log, change log, batch list and batch report have been expanded to include additional information.
10. Current parameters can be printed from the corresponding properties dialogs.
11. Setpoint deviations, which can occur when switching from manual to automatic mode, are indicated by an exclamation point at the recipe function and displayed in a tooltip.

What's new in SIMATIC BATCH V7.1 SP2?

Version 7.1 SP2 contains the following new and improved functions in comparison to SIMATIC BATCH V7.1 SP1:

AS-based operating mode

To improve the determinism when executing a batch and to enable high-speed step change times, the new AS-based mode has been introduced as an alternative to the previous PC-based mode, in which the complete recipe logic was processed in the Batch Control server. The entire unit recipe logic is executed in the AS in this mode. In addition, so-called mixed mode is possible, in which both modes can be operated simultaneously within a single batch.

The new interface block, UNIT_PLC, is available in the "SIMATIC BATCH Blocks" block library for the new mode and mixed mode. The SIMATIC BATCH configuration dialog in the SIMATIC Manager has been modified accordingly to enable configuration of the new operating modes. For example, the compile and download functions can now be launched directly from this configuration dialog.

New OS controls

We offer new SIMATIC BATCH OS controls for more convenient operation and monitoring of batch processes on a PCS 7 OS client. From here, you can also perform other important functions in SIMATIC BATCH.

New recipe constructs

To automatically react to disturbances in the process, we now offer you the capability to highlight freely selectable recipe sections and to monitor them in a special container. In this so-called monitoring container, you can evaluate events of the highlighted recipe section throughout the entire run time and react accordingly, for example, using the new command block. Another new block, called the jump block, now allows you to exit recipe steps, even sequential ones, for example, and continue elsewhere.

Archiving batches of different BATCH process cells on a single archive server

Compared to the previous versions in which each BATCH process cell was assigned to a separate archive server, it is now possible to archive batches of different BATCH process cells on a single central archive server (CAS).

Visualizing archived batches

You can have archived batches that you have archived on a CAS (central archive server) or as an XML file locally or in the network displayed once again as control recipes in the Batch Control Center using the features of the viewer.

Preview window in the selection dialog for formula or master recipe

The "Selection of formula or master recipe" dialog for creating batches has been expanded. You can now visualize information about a selected item in a preview window before you make your selection. The preview window shows the master recipe and another window displays the name, type, status, product and properties.

Failure prevention with restart in case of redundancy

New mechanisms have been provided to ensure redundancy switchover and restart in case of failure. For example, prevention of server shutdown, automatic restart and encapsulation of server applications.

Operation during batch processing

You can now interrupt the execution of a recipe and continue it elsewhere with fewer operations.

New menu command "Stop step (without conti.)": Previously, you had no way of stopping recipe operations without also stopping the steps they contained in continuous mode. The new menu command lets these steps continue to run. Project setting "Release recipe element after stop/cancel": With this new project setting, you can automatically reset and release associated process cell objects when the "Stop step" or "Cancel step" commands are used.

Process value display for transitions and recipe functions

The most recently valid process value has been added to the display in the "Input material", "Output material", "Parameters", "Transfer parameters" and "Transition conditions" tabs in these dialogs.

The process values are shown in both the BCC, which you use to display and operate batches, as well as in the viewer for archived batches in the control recipe view. Only the most recently available process values are displayed in both cases. There is no way to display a process value history. Tooltips are shown for the process values; they provide information about timestamps and activation counters, for example.

The current process value for active transitions is displayed in the process mode.

Opening SFC Visualization from BatchCC

SFC visualization of a recipe function can be opened from BatchCC while a batch is running. You can only use this function if you have configured the recipe function as an SFC type in PCS 7 Engineering.

Minimum time interval for batch chains

You can optionally specify a minimum time interval between a predecessor batch and successor batch in batch chains in BatchCC. There is also the possibility to create the entire chain in this dialog. In other words, you can select the predecessor batch or successor batch, set the mode, and enter a time offset.

New function, Pin recipe/batch headers

Using this function from the View menu in BatchCC and in the recipe editor, you can pin the information of the units when scrolling through large control recipes and master recipes.

ROP monitoring time

With this new function, you can change the ROP monitoring time automatically calculated by the system. When the monitoring time you have specified is exceeded, the object is marked with a clock symbol and a message is generated on the PCS 7 OS.

ROP run time

You can manually adjust the run time of a ROP that has been calculated by the system. The current run time of a recipe operation is shown in a tooltip in process mode. The run time information is provided for both the OS controls and in BatchCC.

Behavior of the BATCH Launch Coordinator

The BATCH Launch Coordinator only switches to the "Ready" state when all BATCH engineering data is available in the "SB6_xxx" project directory. Until this data is completely available, the Batch Launch Coordinator only appears as an icon in the Quick Launch bar and cannot be operated, except for the "Exit" command in the shortcut menu of the Batch Launch Coordinator.

Querying extended status in transition conditions

In addition to ISA 88 status of recipe elements, you can now use the extended status of recipe elements in a transition condition.

Remote PCells

Locations from remote PCells can be addressed at transfer parameters (source, destination, via) in addition to locations from the local batch PCell.

Activating a report via SIMATIC BATCH API

A new function allows you to activate recipe and batch logs via an SB API.

SIMATIC Route Control - What's new in SIMATIC Route Control V8.0?

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What's new in Route Control V8.0?

In **version 8.0**, SIMATIC Route Control has been extended with the following functions:

CSV import/export

CSV import/export has been revised with the following objectives:

- Unique address
- Complete import
- Streamlining of CSV data

Material configuration

The material configuration has been completely revised. The stored route can be started at a later point in time.

User keys

User keys are now also assigned types.

Control texts

Control texts are supplied and can be extended or edited.

Static routes

When downloading the Route Control server, routes stored online are deleted and routes stored offline are copied online.

Route Control Engineering

The user interface of Route Control Engineering has been revised.

Offline route search

The offline route search now includes a graphical representation. The search can be further restricted.

FB 815

The RC_ResPosV5 compatibility block provides the behavior of V5 at the QRESTPOS output at RC_IF_ROUTE (FB 800).

Opening the Route Control server dialog

You can open the Route Control server dialog by running rc_serverdialog.exe with the following parameters:

- /Activate Starts the server function in the rc_serverhostx.exe service
- /Deactivate Terminates the server function in the rc_serverhostx.exe service
- /NoDialog The server dialog closes after it is called - no dialog

The way the parameters are stipulated depends on the particular implementation of the launch and must be solved for the specific user.

SIMATIC PDM - What's new in PDM V8.0?

User interfaces

The SIMATIC PDM user interfaces have been completely overhauled for improved ergonomics and better visual appearance.

The menus have been restructured in accordance with the requirements from the specifications on the expansion to the electronic device descriptions (EDD). As a result, it is now easier to see which menu components have been generated directly by SIMATIC PDM and which ones have been created by the device manufacturer.

Conversion of status information relating to parameter and device statuses from text display to easy-to-understand status icons. Status information is saved in the project. The latest information is always retained.

- Update/upgrade of EDDs
- Device management
 - Creating typicals for parameters (import without ID data)
 - Use of placeholders (neutral objects) in the project (profile GSD or universal HART) and free assignment of an EDD at a later time (device identification) according to the connected device
 - Compatible device replacement
 - Incompatible device replacement with acceptance of parameters with the same name between devices
 - Device replacement using the service address 126 via the new addressing dialog (error-free)
- Export/import of document manager contents using any objects
- Export with transformation file created by the user.

Export / Import

When parameters are imported, a check is performed to see whether the tag name in the import file matches that of the target object. This makes it possible for parameter content to be exchanged between various device types or manufacturers.

When parameters are imported, the import object type / version is no longer changed in the target object if the two devices are not of the same type.

Modified license structure

A new license called "SIMATIC PDM extended" is being introduced. You can use the following additional functions with this option:

- Import
- Export
- Print
- Document manager

Long process tag names for field devices featuring HART communication

A unique process tag name is possible in the project for field devices with HART communication and a HART revision < V6. The contents of the "Message" parameter are used for this purpose. In this way, 32 characters are available for the name (standard is 8 characters).

The long process tag name is displayed as follows in the PDM views:

- As object name in the process device plant view in place of the "TAG" parameter
- As object name in the process device network view in place of the "TAG" parameter

You enable the display of long process tag names in the SIMATIC Manager with: **Options > SIMATIC PDM > Settings**.

Device import

The "Manage SIMATIC PDM device catalog" function has been replaced by the "Device Integration Manager" function. The characteristics of the "Device Integration Manager" are as follows:

- User interface overhauled to make it more user-friendly
- Field devices displayed in the form of a list together with details of the field device version that has already been imported
- Intelligent filter function for finding groups or individual field device descriptions quickly

Field device processing status

For each field device, a cumulative processing status is displayed in the structure view of the parameter table for all the lower-level parameters.

From this cumulative status, it is easy to see whether the visible and invisible parameter areas contain

- Modified parameters that have not been read from the field device or have not been written to the field device
- Invalid parameters or parameters that are not supported

Information is also displayed to indicate whether the field device is currently being edited by another user (i.e. whether it is locked).

History trend display (plot)

The following functions have been added in SIMATIC PDM V8.0:

- History trend saved as a CSV file so that it can be edited further using an application such as EXCEL
- Ruler position displayed
- Zoom functions can be accessed via buttons
- If help texts have been integrated into the device descriptions, they are displayed as tooltips
- History trends can be edited graphically using the mouse

Device management

With SIMATIC PDM V8.0, it is possible to freely assign a new device description to an existing, configured field device. All the device descriptions that are assigned to the same communication type are made available for selection from the catalog. This makes device replacement and upgrade work really easy. The export and import functions of SIMATIC PDM allow the parameters to be transferred with the same internal parameter names.

Field devices that are deleted in HW Config or in the Process Device Network View are now removed from the Process Device Plant View as well. It is no longer necessary to remove them manually.

Process Historian - What's new?

Process Historian

Process Historian can be used for long-term archiving of the following data of the SIMATIC PCS 7 process control system:

- OS archive data (process values and messages)
- Batch data

Process values and messages, as well as batch data from SIMATIC BATCH, that are swapped out from the OS archives are managed by Process Historian in a central database. This data can be viewed directly on the OS clients/Single Stations or using the new Reporting System Information Server.

Process Historian does not need a connection to the plant bus. It can be connected to the OS and Batch Servers of the SIMATIC PCS 7 plant via terminal bus, for example, using the integrated network connection (on-board Ethernet RJ45 port) of the server.

Function overview

- Real-time archiving of process values and messages of the SIMATIC PCS 7 V8.0 Operator System.
- Support of PCS 7 OS Single Stations V8.0
- Archiving the SIMATIC BATCH V8.0 batch data
- Support of multiple PCS 7 V8.0 projects
- Scaled with the computer hardware used with regard to performance and quantity framework
- Export of all data, including the catalog system, to external storage media
- Reading in the swapped out data, including the catalog system, from external storage media
- Data visualization on the OS clients and OS Single Stations

Information Server

The Information Server is the Process Historian reporting system. It can be installed and operated on the Process Historian computer or as a separate application on a different computer. It is based on the Microsoft Reporting Services and provides Web-based Thin Client access to historical data. The Information Server also contains add-ins for Microsoft Word and Excel that enable further access to Process Historian.

Function overview

Contains a set of frequently used report templates for process values, messages, and batches

- Open reporting system for creation and insertion of any number of report templates
- Storage of configured (parameterized) report templates for faster access
- Export of reports to standard document formats
- Support of subscriptions for cyclic generation of reports, including e-mail delivery
- Role management for Windows users; supports work groups and Active Directory.
- User rights can be assigned for specific projects
- Generation of reports and insertion as images and tables in MS Office Word documents
- Creation of Excel reports for historical process values and messages, as well as the storage of Excel report templates on the Information Server
- Support of subscriptions for Excel report templates

Documentation - What's new?

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Documentation in MyDocumentation Manager

For the first time, this version of the PCS 7 Manual Collection has been made available in MyDocumentation Manager via the Internet. You can obtain updates for the documentation through this feature.

You can find the manual collection and an overview of all available manuals for PCS 7 in the Internet at: (www.siemens.com/pcs7-documentation)

New manuals

The following new manuals will be introduced as part of PCS 7 V8.0:

- PCS 7 Compendium, Part D
- PCS 7 APL Operator Guide
- PCS 7 APL Style Guide
- Maintenance Station Manual
- Manual on licenses & quantity frameworks

