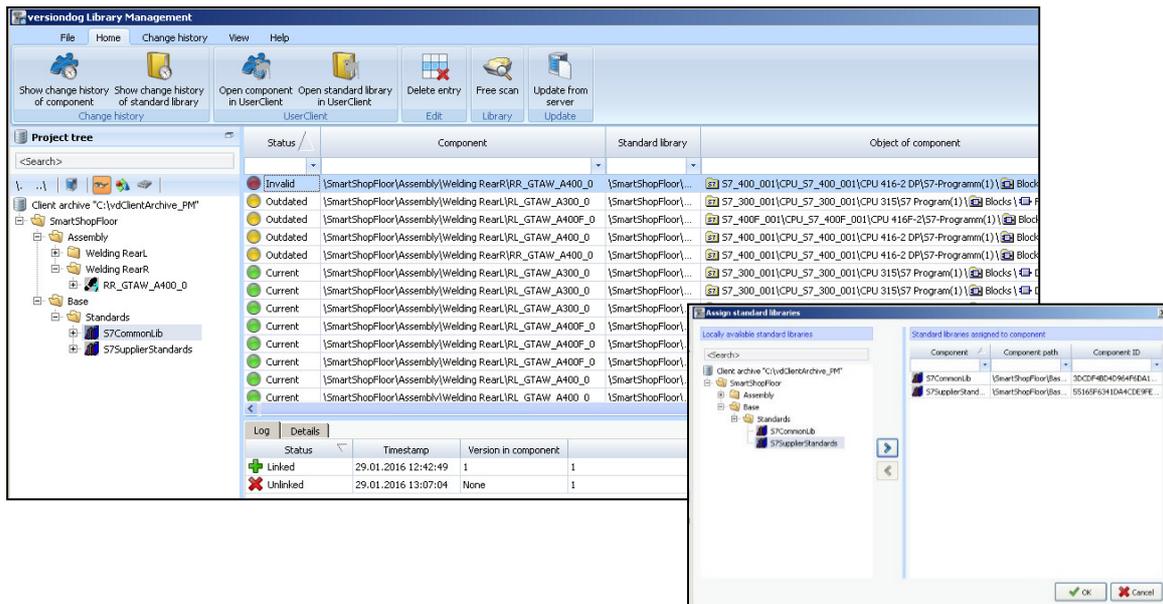


Factsheet

versiondog LibraryManagement



The screenshot displays the 'versiondog Library Management' application. The main window features a menu bar (File, Home, Change history, View, Help) and a toolbar with icons for 'Show change history of component', 'Show change history of standard library', 'Open component in UserClient', 'Open standard library in UserClient', 'Delete entry', 'Free scan', and 'Update from server'. Below the toolbar is a 'Project tree' on the left, a central table, and a 'Log' section at the bottom.

Status	Component	Standard library	Object of component
Invalid	\SmartShopFloor\Assembly\Welding Rear\RR_GTAW_A400_0	\SmartShopFloor\...	57_400_001\CPU_57_400_001\CPU 416-2 DP\57-Programm(1)\Blocks
Outdated	\SmartShopFloor\Assembly\Welding Rear\LRL_GTAW_A300_0	\SmartShopFloor\...	57_300_001\CPU_57_300_001\CPU 315\57 Programm(1)\Blocks
Outdated	\SmartShopFloor\Assembly\Welding Rear\LRL_GTAW_A400F_0	\SmartShopFloor\...	57_400F_001\CPU_57_400F_001\CPU 416F-2\57-Programm(1)\Blocks
Outdated	\SmartShopFloor\Assembly\Welding Rear\LRL_GTAW_A400_0	\SmartShopFloor\...	57_400_001\CPU_57_400_001\CPU 416-2 DP\57-Programm(1)\Blocks
Outdated	\SmartShopFloor\Assembly\Welding Rear\RR_GTAW_A400_0	\SmartShopFloor\...	57_400_001\CPU_57_400_001\CPU 416-2 DP\57-Programm(1)\Blocks
Current	\SmartShopFloor\Assembly\Welding Rear\LRL_GTAW_A300_0	\SmartShopFloor\...	57_300_001\CPU_57_300_001\CPU 315\57 Programm(1)\Blocks
Current	\SmartShopFloor\Assembly\Welding Rear\LRL_GTAW_A300_0	\SmartShopFloor\...	57_300_001\CPU_57_300_001\CPU 315\57 Programm(1)\Blocks
Current	\SmartShopFloor\Assembly\Welding Rear\LRL_GTAW_A400F_0	\SmartShopFloor\...	57_400F_001\CPU_57_400F_001\CPU 416F-2\57-Programm(1)\Blocks
Current	\SmartShopFloor\Assembly\Welding Rear\LRL_GTAW_A400F_0	\SmartShopFloor\...	57_400F_001\CPU_57_400F_001\CPU 416F-2\57-Programm(1)\Blocks
Current	\SmartShopFloor\Assembly\Welding Rear\LRL_GTAW_A400F_0	\SmartShopFloor\...	57_400F_001\CPU_57_400F_001\CPU 416F-2\57-Programm(1)\Blocks
Current	\SmartShopFloor\Assembly\Welding Rear\LRL_GTAW_A400_0	\SmartShopFloor\...	57_400_001\CPU_57_400_001\CPU 416-2 DP\57-Programm(1)\Blocks
Current	\SmartShopFloor\Assembly\Welding Rear\LRL_GTAW_A400_0	\SmartShopFloor\...	57_400_001\CPU_57_400_001\CPU 416-2 DP\57-Programm(1)\Blocks
Current	\SmartShopFloor\Assembly\Welding Rear\LRL_GTAW_A400_0	\SmartShopFloor\...	57_400_001\CPU_57_400_001\CPU 416-2 DP\57-Programm(1)\Blocks
Current	\SmartShopFloor\Assembly\Welding Rear\LRL_GTAW_A400_0	\SmartShopFloor\...	57_400_001\CPU_57_400_001\CPU 416-2 DP\57-Programm(1)\Blocks
Current	\SmartShopFloor\Assembly\Welding Rear\LRL_GTAW_A400_0	\SmartShopFloor\...	57_400_001\CPU_57_400_001\CPU 416-2 DP\57-Programm(1)\Blocks
Current	\SmartShopFloor\Assembly\Welding Rear\LRL_GTAW_A400_0	\SmartShopFloor\...	57_400_001\CPU_57_400_001\CPU 416-2 DP\57-Programm(1)\Blocks
Current	\SmartShopFloor\Assembly\Welding Rear\LRL_GTAW_A400_0	\SmartShopFloor\...	57_400_001\CPU_57_400_001\CPU 416-2 DP\57-Programm(1)\Blocks
Current	\SmartShopFloor\Assembly\Welding Rear\LRL_GTAW_A400_0	\SmartShopFloor\...	57_400_001\CPU_57_400_001\CPU 416-2 DP\57-Programm(1)\Blocks

The 'Log' section at the bottom shows the following entries:

Status	Timestamp	Version in component
Linked	29.01.2016 12:42:49	1
Unlinked	29.01.2016 13:07:04	None

The 'Assign standard libraries' dialog box is open, showing a search for 'S7CommonLib' and 'S7SupplierStandards' in the 'Locally available standard libraries' list. The 'Standard libraries assigned to component' list is empty.

versiondog – for more Efficient Production

versiondog is the leading version control and data management software solution for automated production. It makes tracking changes and safeguarding data significantly more efficient.

versiondog brings order and clarity where project data needs to be continually changed and made available from a central source. The increased safety, security, and certainty provided by this software system quickly results in measurably increased productivity. versiondog makes it easy for you to optimize the interplay between all your different types of robots, controllers, field devices, drives, programming languages, file formats, and software applications.

This data management system gives you ultimate data traceability, minimizing your risks and costs, and saving you time and effort.

versiondog LibraryManagement

In many areas of automated production engineering, applications are created based on libraries with reusable functions, modules, and programs. Library program blocks, process blocks, image blocks / message texts, communication diagrams, and flow diagrams are just some of the requirements for low-cost and consistent project implementation in the automation industry.

This is where versiondog LibraryManagement comes in. With the LibraryManagement add-on users benefit from:

- A documented change history created for every block. This can be used to track any changes made to a block and to the standard library.
- Changes made to the standard library are versioned and stored with information on WHO changed WHAT, WHEN, WHERE, and WHY. A detailed comparison can show differences between two block versions. These can be evaluated at any time to determine their effect on the individual projects.
- The use of blocks in projects can be tracked at any time. This makes it easy to identify the client projects and locations where the change will have an effect. For example, if a block is optimized later then this cross-reference list can be used to determine which projects must be updated to this latest standard.

Application Scenarios for LibraryManagement

Which version of a program block was used and in which projects?

LibraryManagement allows the user to track which block version was used and in which projects. Imagine, that a program block is changed during the project planning stage. With LibraryManagement, you can find out whether this block was used and the projects it was used in. Knowing the reason why changes have been made to the block and which projects use it will make it easy to decide which projects to update and to keep track of these updates.

How can you ensure that the same program is running on multiple S7 PLCs?

In a production facility, there are sometimes processes on the production line that are all controlled by a single PLC (e.g. S7 or RSLogix 5000). This means that all projects must be the same (except for the network address).

With LibraryManagement you can ensure that all programs are the same on a block level and monitor the progress of any potential program updates.

How can you ensure that predefined blocks were used by the service provider during the project planning stage?

When purchasing a new plant, the plant operator can use versiondog LibraryManagement to verify whether the predefined blocks were used during the project planning stage. It is possible to trace whether an outdated version was used, whether the block has since been changed, or whether a block was first used and then changed later. The detailed options for making comparisons mean that steps can be taken to achieve optimum standardization.

versiondog LibraryManagement

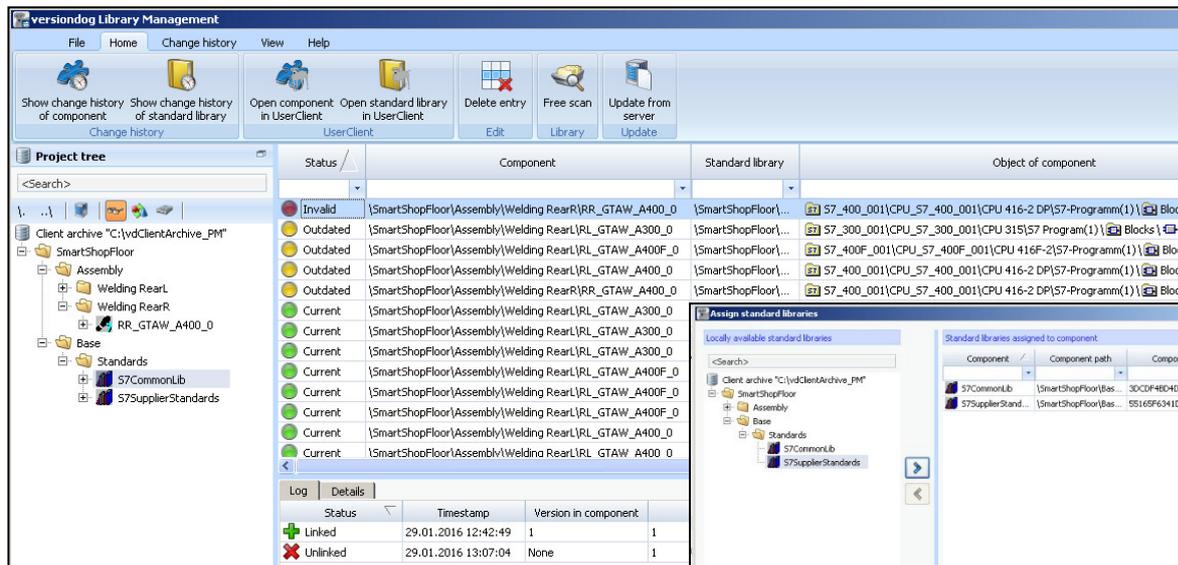


Fig. 1

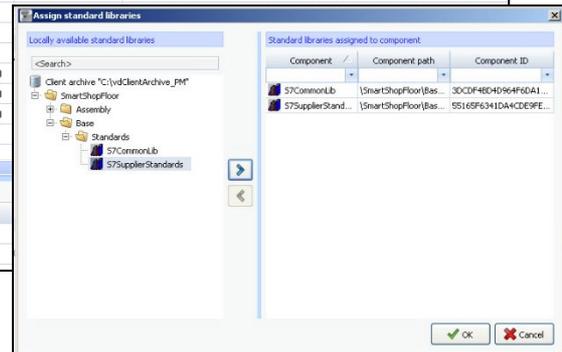


Fig. 2

Fig. 1: Tracking blocks with traffic-light system: Green = identical to project, Yellow = not yet updated in project, red = not present in project

Fig. 2: Linking a project to a standard library is simple

Features and Functions

Create and document versions of standard libraries	✓
Detail comparator shows differences between two block versions	✓
Detailed graphical display of differences	✓
Freescan function to find blocks in projects at a later point in time	✓
Supported editors:	
- Simatic S7 Manager	✓
- Rockwell RSLogix 5000	
Tutorial available in versiondog INFO	✓

System Requirements

For current system requirements, please visit versiondog INFO at www.versiondog.info/en or contact us at info@auvesy.com.

More Information

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