



System for Documentation, Support and Project Development in Industrial Plants

PLSDOC® is a system for documentation in industrial plants in the area of chemistry, pharmacy, power and treatment plants, petrol chemistry and manufacturing industry. PLSDOC® allows the documentation or change revision of SIMATIC PCS 7 or any other OPC supporting PCS/PLC system over the entire life cycle. Plant operators benefit from a high availability of the plant know-how and are supported in plant and quality management.



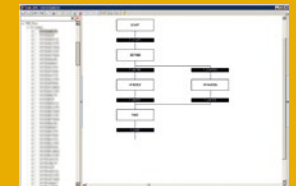
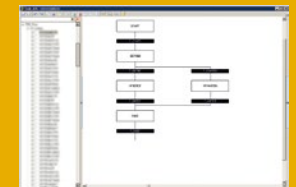
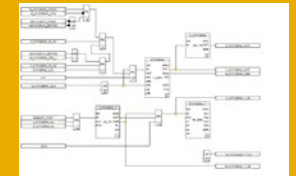
- Central, database-related plant documentation
- PCS connection for Siemens Simatic PCS7/S7 WinCC and connection to any process control system/control via OPC
- Monitoring of redundant server pairs as part of reverse engineering and switching to the redundant server in cases of a failure of the active server
- No data loss in cases of disrupted connections between OS server and PLSDOC® due to buffered change information
- Company-wide solution
- Menu-guided installation by users possible

Benefits

- Protection of the plant know-how
- Automatic comparison between the data of the process control system and those of the specification
- Increased plant security
 - › Direct availability of the plant documentation
 - › Integration of the specification into the operator systems
 - › Fast failure identification
- Support for operation, production and maintenance
 - › In cases of disturbances and trainings
 - › Increase of the efficiency of the plant staff
 - › Paperless working and fast finding of information
 - › Support for PLC documentation / reverse engineering
- Standardized documentation of CFCs and SFCs
- Transparent and complete change tracing
Revision history, actuality of documents is ensured
- Reduction of error sources/avoidance of multiple processing

Functions

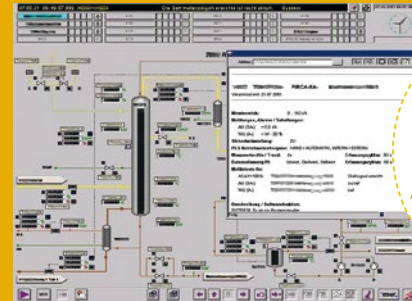
- Online-update of plant documentation from the process control system in real time
- Availability of plant documentation in IT world and SCADA system (direct integration into the operating and monitoring stations possible – display of generated HTML documents in the process pictures)
- Documentation of the plant lifecycle
- SFC editor: reverse engineering of SFCs with graphical edit mask and HTML output
- Data interface: import from/export to CAE systems with change preview and import history
- Specification function, supply of documents with relevance for operation
- Configuration and update of long-term archiving systems like Aspentech IP21, OSI-Soft, Plant Historian PDA
- Reverse engineering of existing systems
- Administration of information on plant peripherals (computers, printers, software licences etc.)



PLSDOC® Modules

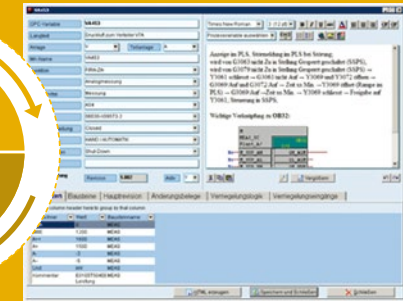
System for documentation, support and project development for industrial plants

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Adoption
of parameters

Generation of
documents



PLSDOC® RE	PLSDOC® CFC/CFC-D	PLSDOC® SFC/SFC-D	PLSDOC® MC	PLSDOC® PI
Reverse engineering	Reverse engineering in CFC – display/editing of CFCs	Reverse engineering and design of SFCs	Module for mass configuration	Configuration/update of long-term archiving systems
Benefits				
<ul style="list-style-type: none"> Protection of the plant know-how Automatic change recording Paperless documentation/reverse engineering of existing PCS/PLC systems 	<ul style="list-style-type: none"> Automated plant documentation in CFC presentation Transparency as a result of revision management 	<ul style="list-style-type: none"> Comfortable design tool for SFCs Transparency and cost reduction 	<ul style="list-style-type: none"> Shorter phases for project development Standardized and efficient project development 	<ul style="list-style-type: none"> Automatic generation of configuration files
Reduction of error sources and avoidance of multiple processing				
Functions				
<ul style="list-style-type: none"> Interface between plant documentation and process control system technique Changes are documented in the PCS/PLC world in real time 	<ul style="list-style-type: none"> Reverse engineering of process control systems in CFC presentation Design and processing of CFCs Comparison of CFC versions 	<ul style="list-style-type: none"> Automatic reverse engineering of SFCs HTML display with SFC structure, actions and transitions Intuitive, simple designing of new SFCs 	<ul style="list-style-type: none"> Typical-based generation of function charts Data import of planning and process control systems Configuration of import files 	<ul style="list-style-type: none"> Generation of missing PI tags or retrospective modification of PI tags Report preview of exported tags Transfer of PI tags to long-term archives

