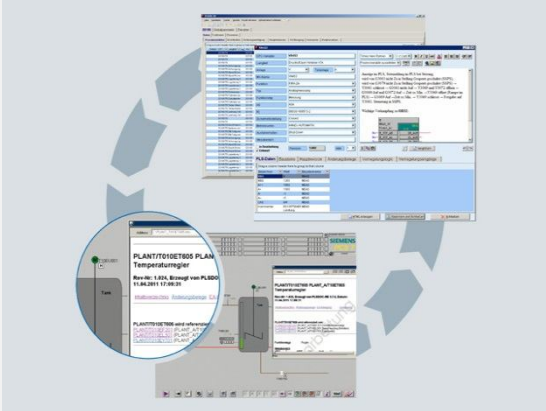
PLSDOC®

Siemens WinCC / SIMATIC PCS 7 Add-on

Documentation, support and projecting system for industrial plants

PLSDOC® ® is a system for documentation and assistance in industry plants, in the areas of chemistry, pharmacy, power stations, sewage works, chemistry of rocks and manufacturing industry. Plant operators benefit from the high availability of plant-knowhow and conserve support with plant assistance.

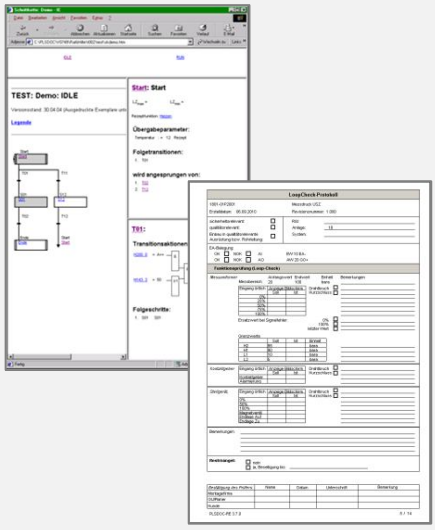
PLSDOC® synchronizes the plant documentation in real time with current parameters such as threshold values, control parameters, lock information and step chains of the PCS-system. Adjustments are automatically recorded and revisioned in change logs.



PLSDOC® provides relevant information in form of standardized project documents, e.g.:

- HTML description of the measuring point functionality
- HTML threshold value reports
- HTML change logs
- HTML step chain documentation
- IB / FAT / LoopCheck reports
- Process instructions to support the alert management

Functions:



- Online update of plant documentation from the PCS-system in real time
- Availability of plant documentation in IT-World in SCADA-system (including the possibility for direct integration into operating and monitoring stations)
- Documentation of plant-lifecycle
- Step chain retracing function with graphic-based editing interface and HTML output
- Data interface: import / export to CAE-systems with chance preview and import history
- Functional and technical specification functions, allocation of relevant documents
- Configuration and actualization of long term archiving systems, e. g. Aspentch IP21, OSI-Soft, Plant Historian PDA
- Retracing of existing systems

PCS-independent - scalable - intuitive

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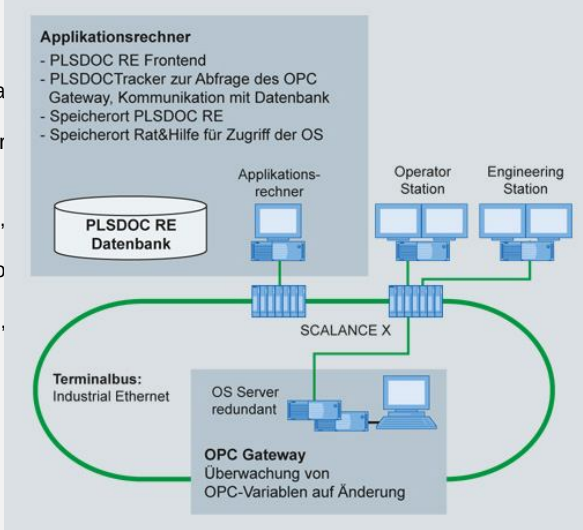
Benefits:

- Online-Update of plant documentation from the process guidance system in real time
- Protection of plant knowhow
- Support with common appliance of the plants from PCS-systems in real time
- Increased plant security: direct availability of the plant documentation for support staff
- Standardized documentation of process objects and step chains
- Transparency and completeness for chance documentation: revision history, securing the actuality of documents
- Reduction of error sources
- Prevention of multi-processing
- Paperless work and fast detection of information
- Support for plants, production and maintenance
- Increased effectiveness of the plant staff
- Support for PCCS-retracing
- Faster incident detection.

The plant documentation with **PLSDOC® RE** is up to date and available. The plant-knowhow is secured and the time needed for data maintenance is reduced.

Technologies:

- Central, database-based plant documentation
  - Generation of HTML-documents for every process variable
  - References on other process variables are directly accessible via hyperlinks
- PCS-coupling for Siemens Simatic PCS7 / S7, WinCC as well as for any other guidance system via OPC
  - e.g. Emerson Delta V, Freelance 2000, ABB800xA
  - Special solution for old systems like Contronic P, Teleperm M, Advant Master, etc.
- Monitoring of redundant server pairs in terms of retracing and switching to a redundant server in case of server failure
- No data loss in case of disconnection between OS server and PLSDOC® RE, by buffering of change information
- Plant-wide solution
- Menu-guided installation from user possible



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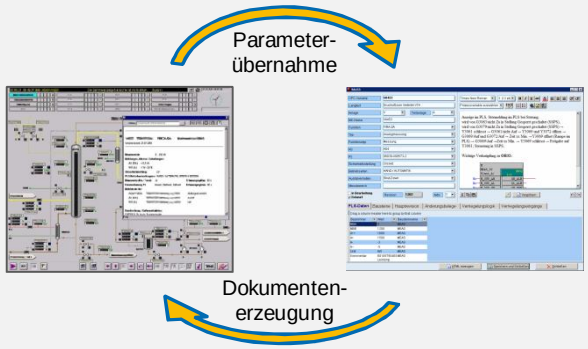
Additional modules:

The **PLSDOC® RE** module enables retracing (Reverse Engineering) of SIMATIC PCS7 as well as any OPC-supported SPS/PLS-Systems through the whole life cycle .

- Modifications get automatically captured, protocoled and kept hold in a revision history
- Central change documents: Changings get immediately captured and are central accessible.

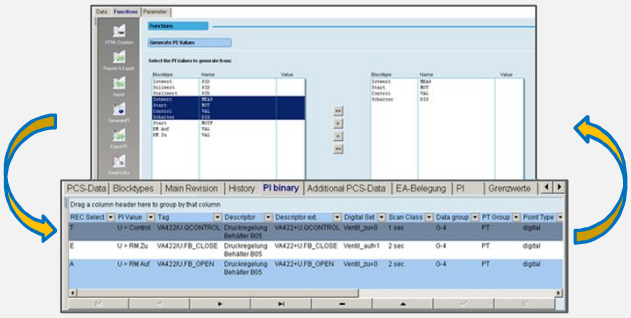
Result:

- Transparent and complete change documents
- Securing topicallity of documents
- Nonredundant documantation



PLSDOC® PI Module allows the configuration and actualization of long-term archiving systems such as PI-OSIsoft, Plant Historian, Aspentech IP21

- Missing PC-tags can be generated automatically or can be changed subsequently with preset PC-tags
- All tags to be exported into the PCS can be displayed, printed and checked in a report preview
- The export function is capable of transferring PC-tags by the means of free configurable CSV-data



Result:

- Automatic generation of configuration files
- Elimination of multi-processing
- Minimization of error sources

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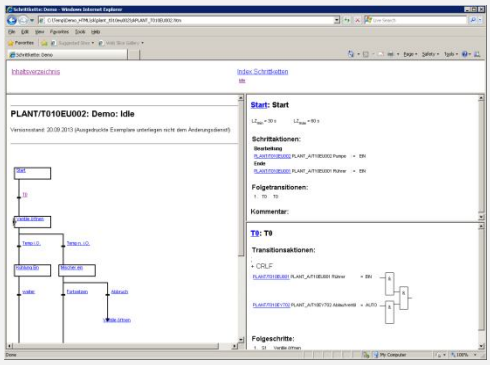
PLSDOC® SFC Module allows the documentation and retracing of step chains

HTML-based step chain documentation with measuring point cross-references

- HTML-based visualization with step chain structure, actions and transitions
- Navigation of EMR circular references
- Comparison of different step chain versions



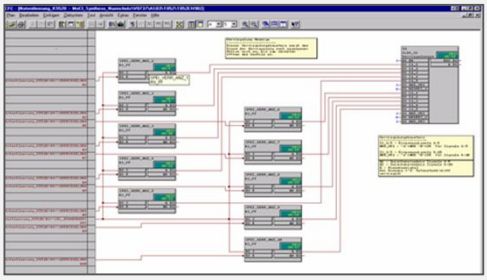
Result:

- Automatic step chain retracing
- Clarity and Readability
- Minimization of error sources
- Revealing deviations, e.g. in the current planning or implementation process of step chains

PLSDOC® CFC-Mass Configuration Module

CFC´s will be created as typical layer and will be configured based on the following parameters:

- Signal interconnection
- Comment blocks
- Measuring points and units
- Threshold values and locks



Result:

- Shorter projecting stages
- Quality improvement
- Error prevention

PCS-independent - scalable - intuitive