



Reduced overhead, increased efficiency: SIMATIC Water Library V7.1

Water supply and wastewater disposal make high and specific demands on plant automation and engineering – and thus also on the process automation. As an answer to these demands, Siemens has developed the SIMATIC Water Library with water-specific function blocks for the automation and HMI levels. In addition to the graphic faceplates the blocks also contain the necessary automation functions.

Together with the powerful and intuitive SIMATIC configuration tools, the SIMATIC Water Library accelerates the engineering process and minimizes commissioning and training overheads.

Designed with Totally Integrated Automation and Totally Integrated Power in mind, the SIMATIC Water Library is an integral part of our comprehensive range of products and systems for uniform automation and power distribution in the water industry. It is available free-of-charge from your local Siemens representative following registration.

Sector demands

It is essential in the water industry to be able to react rapidly and economically to new demands:

As a system integrator you must be able to adapt standard systems without great effort to customer-specific requirements.

As the owner of a water or wastewater

plant, you are interested in simple and intuitive operator prompting which prevents maloperations right from the beginning.

Siemens' answer

The SIMATIC Water Library provided by Siemens offers extremely efficient support for engineering the SIMATIC PCS 7 distributed control system (based on the Advanced Process Library APL) and the visualization system SIMATIC WinCC. It contains more than 100 tested blocks, including sector-specific faceplates in English and German; further languages are in preparation

- Multi control concept with integration of local panels based on SIMATIC WinCC flexible and connection to the SIMATIC PCS 7-/ SIMATIC WinCC project
- Integration of SIMATIC S7-300 controllers into SIMATIC PCS 7 projects
- Retention of plant status after complete downloading a SIMATIC PCS 7 program
- Enhanced measured-value monitoring, e.g. measured value with 8 limits

In addition, engineering templates are available which are specifically matched to the water library, e.g. measuring point lists, tested sample solutions for measuring points and drives as well as project documents.

Water and Wastewater

Answers for industry.

SIEMENS

The SIMATIC Water Library additionally includes:

- Communication blocks for simple integration of standard and high availability SIMATIC S7-400 controllers

For SIMATIC PCS 7 APL are additionally in preparation:

- Product blocks for SIMOCODE motor management system as well as for variable speed drives with SINAMICS G120 and MICROMASTER MM440
- Product blocks for telecontrol systems with SIPLUS RIC based on the IEC 60870-5-104 protocol
- Dynamic demo applications for SIMATIC PCS 7/ SIMATIC WinCC

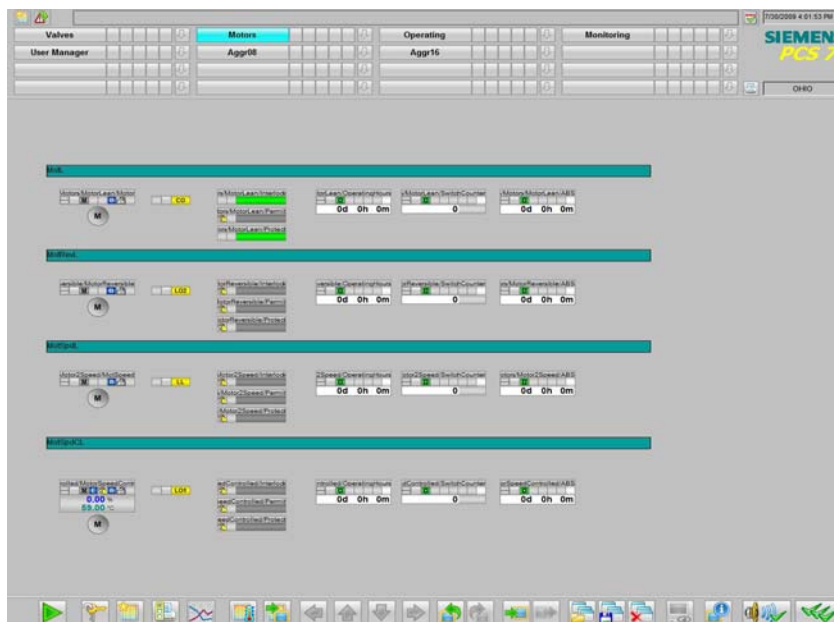
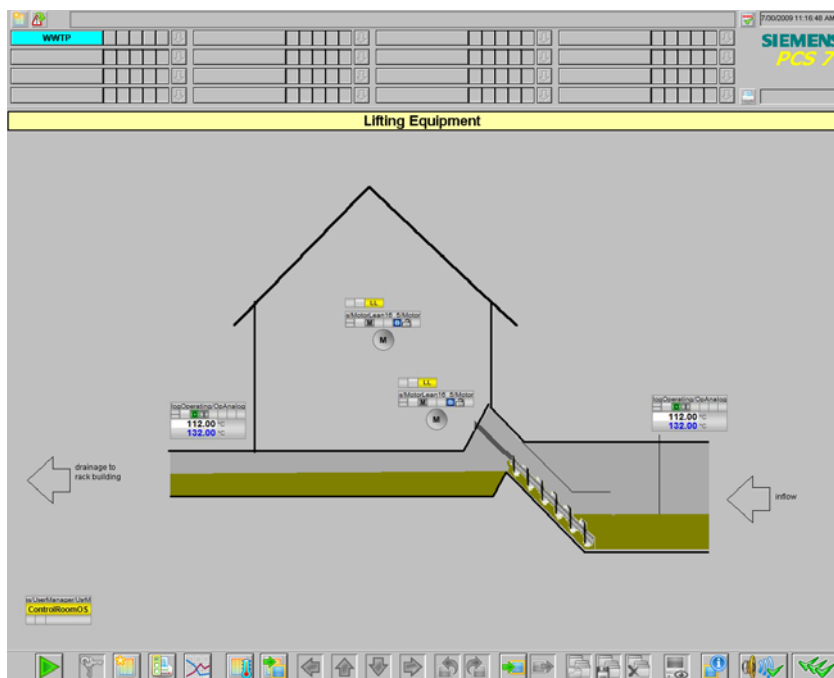
The benefits

For plant owners: The look & feel of the SIMATIC Water Library is directly based on the SIMATIC PCS 7 process control system. This guarantees intuitive operation without long familiarization times. In turn, this avoids plant downtimes resulting from operating errors – thus also contributing to an economic operation of your plant.

For system integrators: Since the SIMATIC Water Library is provided and updated centrally, corresponding efforts on your part do not apply. In particular, the standardized and reusable blocks and example applications reduce the engineering and commissioning requirements. Since the SIMATIC Water Library supplements the standard blocks included in SIMATIC PCS 7, project-specific requirements can be met easily and rapidly. The water library is also suitable for the use in smaller plants with SCADA systems since it also executes in SIMATIC S7-300 controllers with the visualization system SIMATIC WinCC.

System requirements

- SIMATIC PCS 7 V 7.1 with CFC/SFC
- SIMATIC WinCC V 7.0 SP1
- SIMATIC WinCC flexible Advanced 2008
- SIMATIC STEP 7 V 5.4 SP4 with CFC



By the way: You can obtain the SIMATIC water library free-of-charge following registration on www.siemens.com/water/waterlibrary or from your local Siemens representative

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