OnC StepCore57
Flexible modernization of
SIMATIC S5 control

Gradual migration

SIMATIC S5 components have been discontinued by their manufacturer. So that the existing hardware components can continue to be used, Voith is facilitating the gradual migration of existing CPU components into the new systems with OnC Step-Core57. The complete migration can be carried out at a later time, based on the kit principle and tailored to customized requirements. The investment is thus secure and manageable.

Voith, as a partner of the paper industry, provides well-founded process knowledge, specialized solutions and understanding of the specific requirements of paper manufacturing.

Low and projectable costs

By installing OnC StepCore57, you do not need to purchase a completely new system, but only a new plug-in board. Voith is thus introducing an inexpensive alternative, minimizing total investment costs.

Easy and flexible migration

Voith provides individual consulting and migration work for rebuilding paper machines as well as various upgrade possibilities in industrial automation. By installing OnC StepCore57, existing components can be retained and production stoppages due to long rebuilds can be prevented.

Discontinuation of legacy systems is challenging

Like SIMATIC S5, Teleperm systems were also discontinued by the manufacturer some years ago. Since replacement parts are no longer available, a malfunction means big challenges and cost-intensive decisions for paper manufacturers. But Voith can provide a solution for every system.

OnC StepCore57 offers high flexibility

The OnC StepCore57 automation device is very robust. It is command-compliant with S7-CPU 416 and thus high-capacity like a S7-CPU 417 with four integrated Ethernet interfaces. Profibus, Profinet and EtherCat interfaces are optionally available.

OnC StepCore57 connects S5 and S7 in combination with PCS7 functionalities

OnC StepCore57 is coordinated both with SIMATIC S5 and with S7. Various migration possibilities are thus opened up, because existing S5 applications can continue to be used and integrated in new S7 system parts. In addition, OnC StepCore57 can be used alone or in PCS7 multi-projects. CFC programming for mastering complex control tasks is also possible.
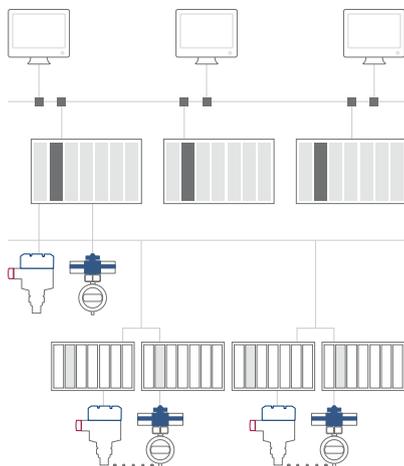
Your benefits

+ Small and projectable investments
+ Minimal shutdown times
+ System availability ensured
+ Expert support in migration of the entire system
+ Individual rebuild according to customer requirements
+ Reliable migration due to software verification
+ Gradual system modernization and expansion during planned shutdowns
+ Connection to all existing Siemens control systems
+ Low outlay for factory acceptance test (FAT)
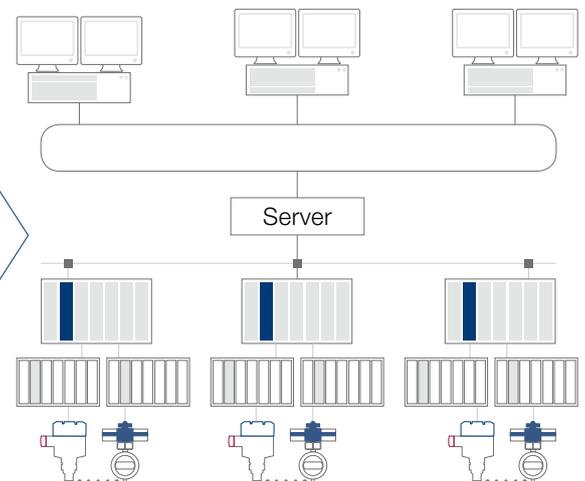+ Trouble-free expansion of functions and controls

Service from A to Z

With Voith, you have just the one partner for all hardware and software components up to start-up right on site. During migration, the Voith employees responsible for the project have extensive process knowledge and are familiar with the control technology as well as all aspects of the paper machine and the paper production process.

Multi-PLC application with operator station before

Multi-PLC application with operator station after

- Install OnC StepCore57
- Gradually replace inputs and outputs
- Rebuild / replace operating stations
- Install server

Server

Contact

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