

SIMATIC DCS / SCADA Infrastructure Efficient IT infrastructures for the production area

The powerful archiving, visualization and backup system for the operation and optimization of your plant in industrial environments, especially in the field of process automation.

All software and hardware components necessary for you will be assembled individually for your requirements.

- Ensuring and increasing plant productivity through high availability of data and automation systems
- Customer-specific configuration of hardware and software for different requirements
- > Simple implementation without time-consuming and complex installation and configuration
- Optimal lifecycle services for all components, tailored to the installed products and systems, with one contact partner
- ➤ Minimization of lifecycle costs





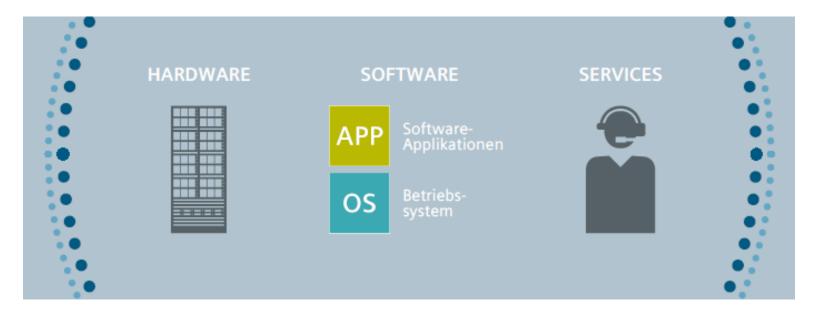
SIMATIC DCS / SCADA Infrastructure Hardware – Software – Services – reliable and efficient



Siemens experts carry out the complete installation and configuration of the entire system according to your specific requirements. The focus is on the design of the redundant hard disk configuration.

The fully integrated archive system includes the powerful hardware platform, the Microsoft Windows Server installation including licenses, as well as the installation and configuration of the Process Historian/ Information Server and the backup & restore server.

The range is rounded off by matching monitors, corresponding brackets and the process control keyboard. This enables the tailormade operation and control of your own production process. Functions can be called up directly at the touch of a button instead of using complex menus.

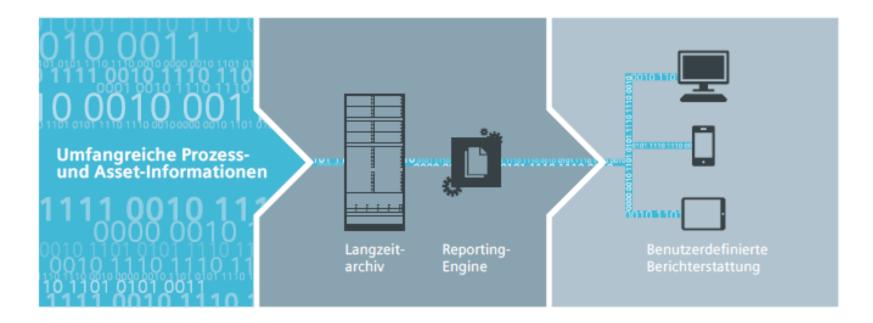


SIMATIC DCS / SCADA Infrastructure System concepts for data archiving in SCADA and DCS environments



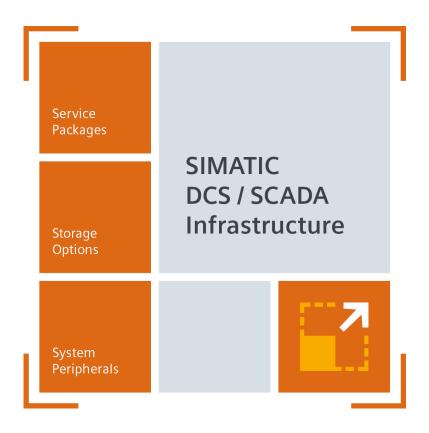
The long-term and reliable availability and security of data is crucial for complex data archiving. Just as important are the task-specific reporting as well as the visualization of the data and the possibility for flexible adaptation of report templates.

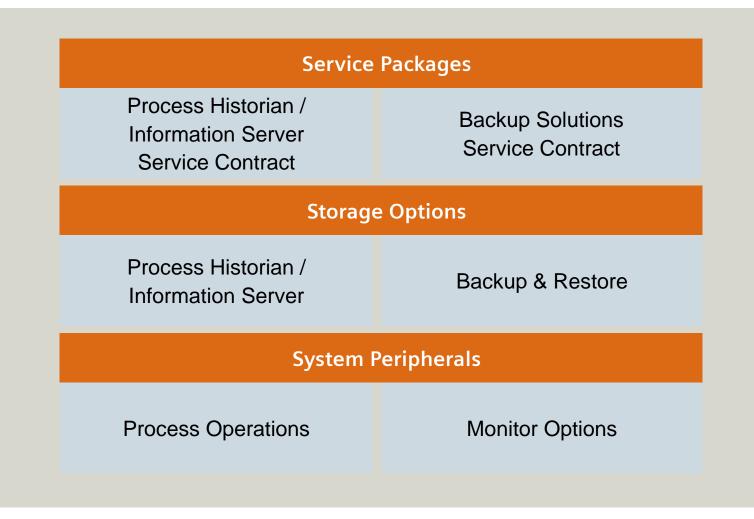
With SIMATIC Process Historian and Information Server you can archive and visualize your data on a powerful server with the all-round, worry-free service package.



SIMATIC DCS / SCADA Infrastructure Partition of the portfolio elements

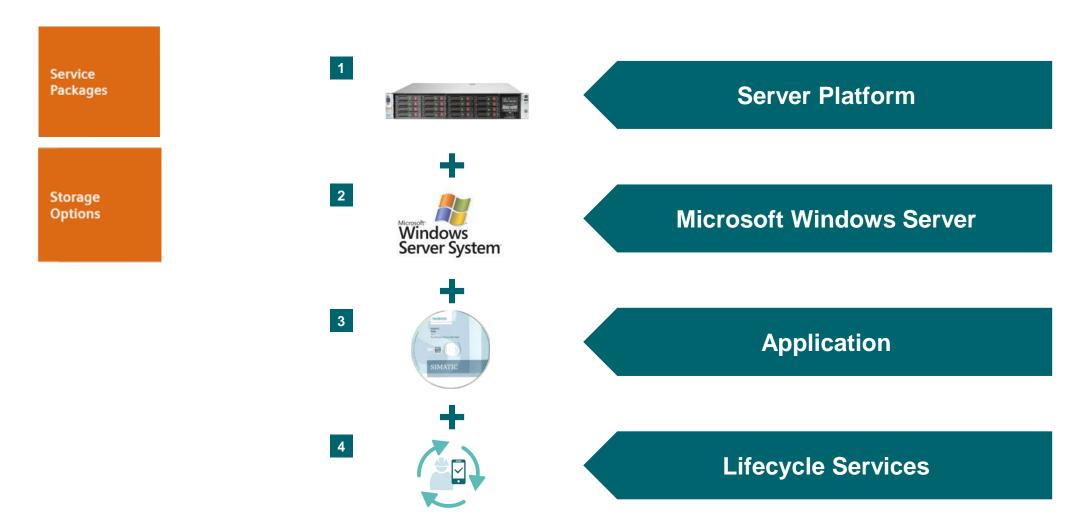






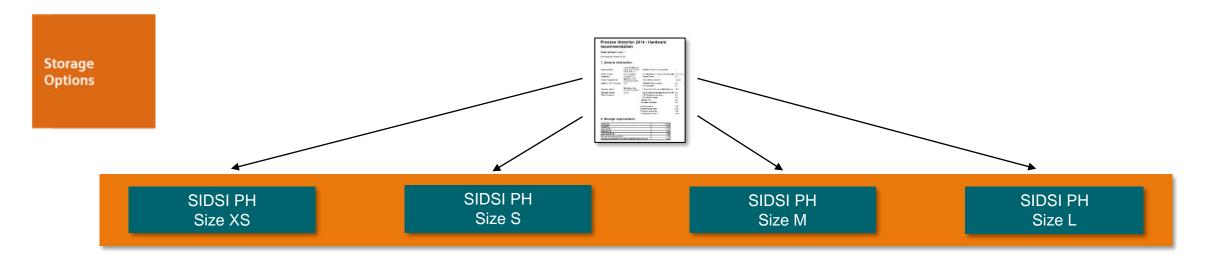
SIMATIC DCS / SCADA Infrastructure Service Packages and Storage Options – System overview





SIMATIC DCS / SCADA Infrastructure Storage Options - Process Historian/ Information Server





- preinstalled and preconfigured ready-to-run SIMATIC PCS 7 Process Historian / Information Server (consists of hardware, software and services)
- preconfigured system
 - Hardware configuration
 - Microsoft Windows and SIMATIC software installation & configuration
 - PH/IS database configuration (without SIMATIC licenses)
- 3 or 5-year-service contract is part of the offer (now available for Single or Redundant Process Historian → see pricing section)

Portfolio Storage Options – SIDSI Backup & Restore





Two servers, same hardware base for SIDSI Backup & Restore Basic or Professional



Hardware specification:

- Intel Xeon 6-core processor
- 16 GB RAM
- 2 x 240 GB M.2 SSD (RAID1)
- 8 x 4 TB (RAID 6)
- 2 x 1 GBit 4-port Ethernet
- 2 x 500W Power Supply Kit

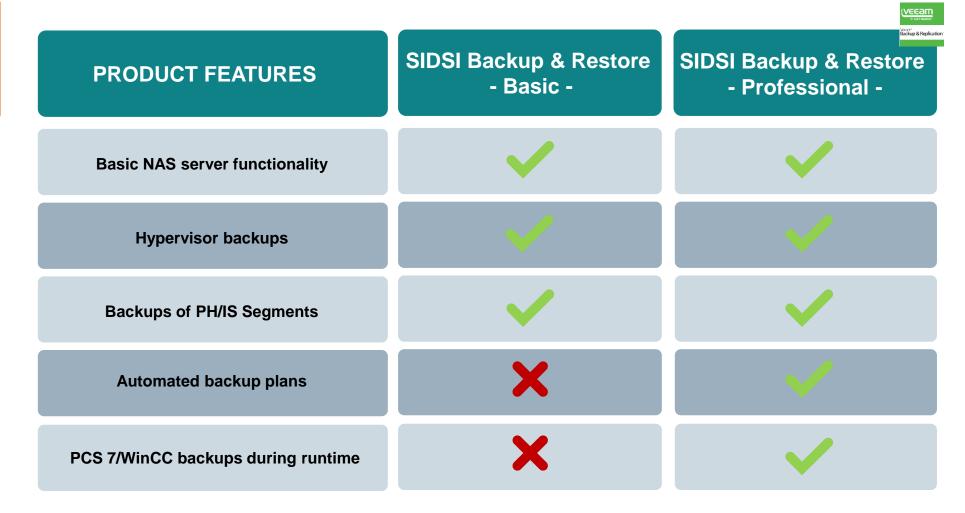




Portfolio Storage Options – SIDSI Backup & Restore



Storage Options



Portfolio Storage Options – SIDSI Backup & Restore - Professional

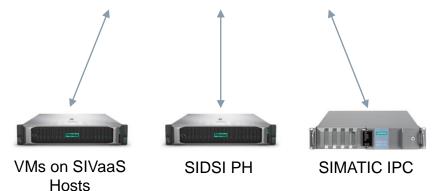




SIDSI Backup & Restore Professional







Motivation

- Runtime backup- and recovery solution for PCS 7 and WinCC
- Automated backup routines in runtime
- Create various backup groups
- Additional backups on additional locations
- storage for process historian database backups

Portfolio SIDSI Backup & Restore – Professional – License concept



SIDSI Backup & Restore
- Professional Server

- Professional Service

Mandatory to order:

- SIDSI Backup & Restore Professional Server
 - · Complete installed and configured
 - Including SIDSI Backup Wizard
- SIDSI Backup & Restore Professional Service
 - · Additional 5 year service agreement
 - Unlimited SIMATIC Technical Support for HPE Server, Veeam Backup & Replication (max. 2h per case)
 - Spare parts for all components

Additional Functional Backup License

- Professional -Socket License

- · License for one processor socket
- Including support
- · Cumulated perpetual license

- Professional - Instance License

- License for <u>ten</u> instances (VM or IPC) *
- Including support
- · Cumulated subscription license

^{*} software subscription

SIMATIC DCS / SCADA Infrastructure Service Packages





5-year service package for both variants:

- One contact for all questions
- Technical support for all used components (individual support by experienced experts (telephone / e-mail), processing time per case up to 2 hours, no limitation of technical inquiries)
- On-site support in case of hardware failure incl. spare parts
- Coordination of support activities for third-party components

SIMATIC DCS / SCADA Infrastructure System Peripherals - Process Control Keyboard





- Operation & monitoring of the running production via the PCS 7 Operator Station
- Combines PC keyboard with 90 configurable function keys for SIMATIC PCS 7
- Installation of the keyboard drivers on the PCS 7 Engineering Station and client allows individual configuration of the key assignment.
- Enables different Setups & Use Cases
- Functions can be accessed at the push of a button instead of complex menus
- Can be ordered separately with other modules



Typical application examples are:

- Selection of specific process descriptions
- Selection and feedback of alarms and messages
- Rising and falling manipulated variables
- Sequential operation

SIMATIC DCS / SCADA Infrastructure System Peripherals – Thin Clients/USB Connect







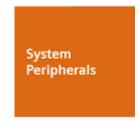
- New Thin Clients for SIMATIC Virtualization as a Service
- Available for dual or quad screen operations



- USB Anywhere to connect license dongles and USB devices
- New generation devices available in sizes of 2, 8 or 24 USB

SIMATIC DCS / SCADA Infrastructure System Peripherals - Monitor Options





SIDSI Workstation Monitor 24

- 24 inch monitor for professional 24/7 use
- 1920 x 1200 @ 60 Hz (16:10 aspect ratio)
- 1 x HDMI 1.4, Display Port 1.2, DVI-D
- 2 x USB-C (10/15W power delivery)
- 3 x USB 3.0 (downstream)
- Suitable for SIVaaS Thin Clients
- Completes the ready-to-run offer
- Incl. 5 years hardware support on next working day





SIMATIC DCS / SCADA Infrastructure System Peripherals - Monitor Options





SIDSI Dual-Monitor Desktop Stand

- Monitor holder with stand
- Two monitors up to 24 inch



SIDSI Quad-Monitor Desktop Stand

- Monitor holder with stand
- Four monitors up to 27 inches



SIDSI Dual-Monitor Desktop Mount

- Monitor holder with screw base
- Two monitors up to 24 inch



SIDSI Quad-Monitor Desktop Mount

- Monitor holder with screw base
- Four monitors up to 27 inches



SIMATIC DCS / SCADA Infrastructure System Peripherals - Monitor Options





SIDSI Quad Monitor Desktop Mount Horizontal

- Monitor holder with screw base
- 4 monitors up to 24 inch

Consisting of:

Monitor arm + 2 table clamps



SIMATIC DCS / SCADA Infrastructure Your advantages in the applications





Complete system from a single source

- Configuration of the efficient system as required
- Pre-installation of the software (Siemens and third-party software)
- High availability through fully redundant hard drive configuration
- Technical support for all installed components and for the complete system

Real-time archiving with the Process Historian

- Fully integrated long-term archiving solution for large data volume, without additional engineering
- Conformity with SIMATIC WinCC / PCS 7 minimizes the project risk
- Fast and easy access to the plant data





Reporting with the Information Server

- Simple access to historical plant data and fast reporting from the Office environment
- Integrated user management and access control
- Automated sending of reports via e-mail

Benefits of the preassembled IT systems

Ready-to-run



Simple realization of complex architectures through ready-to-run system components

Performance-optimized



Optimal usage of installed hardware resources

One-stop-shop



An integrated solution consisting of hardware, software and services – ensures the serviceability over the entire lifecycle

SIMATIC DCS / SCADA Infrastructure





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