System approach to archiving and reporting

SIMATIC Process Historian 2014
SIMATIC Information Server 2014

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Answers for industry.
Increasing data volumes are accumulating daily in modern production operations – a major challenge and, at the same time, an enormous opportunity.

If this data is harnessed, processes can be optimized and product quality can be improved. This requires not only secure long-term storage of “big data” but, in particular, ongoing retention of the most important “smart data” from the flood of data, which must be available at any time, including for mobile end user devices.

SIMATIC Process Historian provides you with a systematic approach for acquiring and archiving data in order to guarantee verifiability and traceability.

With the SIMATIC Information Server, reports and analyses can be created easily.
SIMATIC Process Historian: Acquiring and archiving data in real-time

SIMATIC Process Historian acquires and archives data from any number of lower-level WinCC/PCS 7 systems in real-time. The scalable software can be adapted to the required data volume at any time – without interrupting production.

- Increase the efficiency of your production management and analysis
- Increase the security of your long-term archiving of plant data

You benefit from the following:

- Plant-wide long-term archive as an interface to the corporate management level
- Central archive for process data and messages from SIMATIC WinCC / SIMATIC PCS 7 systems with long-term relevance
- Can be easily integrated in existing WinCC configurations
- Support of backup mechanisms, RAID systems, Recovery and Store&Forward
- Future-proof and cost-effective due to scalability with regard to plant size and data volume
SIMATIC Process Historian 2014 – Highlights

- Version-neutral long-term archive (newer versions can access older versions):
  - SIMATIC WinCC (WinCC V7.0 or higher)
  - SIMATIC PCS 7 (V8.0 or higher)
- Maximum performance
- High security and availability
- Openness – IT integration
- Migration from
  - WinCC / Storage plus and CAS Storage plus
  - WinCC segments
- Recovery: Backup with the possibility of fully restoring the Process Historian database
- Secure data transmission between data source and Process Historian (Store&Forward)
SIMATIC Information Server:
Plant information at any time – from any location

With the SIMATIC Information Server, reports and analyses are easily created via web-based interfaces and can be distributed via the Internet. Pre-defined templates and Excel reports enable reports to be created without programming knowledge. Customized reports can be created based on the Microsoft Reporting Services. The reports are accessed via the Internet or by means of time- and event-driven creation and sending of the reports. Through the use of mobile end devices, it is possible to discuss the information from any location.

You benefit from the following:

- Efficient report system
- Web-based reports from historical data sources (Process Historian, WinCC, PCS 7, Performance Monitor)
- Efficient creation of reports using supplied report templates or in Microsoft Excel
- Transparency of the process up to the management level – at any time, in any location
- Display and analysis of process data using MS Excel, Word, PowerPoint
- Maximum security thanks to integrated, role-based user administration
- Customized report creation using MS Reporting Services

SIMATIC Information Server 2014 – Highlights

- Web-based reports with modern look & feel – from creation and administration to the display
- Numerous data sources:
  - WinCC, WinCC/PerformanceMonitor
  - PCS 7, SIMATIC BATCH
  - SIMATIC Process Historian
- Minimum administration effort and integrated user administration
- Maximum performance
- Add-ins for MS Excel, MS Word, NEW: MS PowerPoint
### Selection and ordering data

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<td>Upgrade WinCC/PCS7 V7.0 SP3 or Process Historian 2013 to Process Historian 2014</td>
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<td>Upgrade Information Server 2013 to Information Server 2014</td>
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**Security information:**
When an internal system is connected to an external system, suitable protective measures must be taken in order to ensure secure operation of the plant (e.g., IT security measures such as network segmentation). For more information, visit: [siemens.com/industrialsecurity](http://siemens.com/industrialsecurity)

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Additional information:
- [siemens.com/wincc](http://siemens.com/wincc)
- [siemens.com/pcs7](http://siemens.com/pcs7)

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