



Process Historian Modernization

Permanent data availability through modernization
of the SIMATIC Process Historian (PH)

Sales Slides



Permanent availability of historical process data with PH Modernization Services

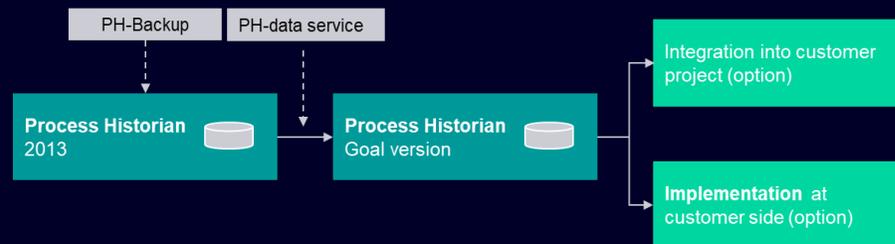


DCS Modernization Services provide holistic and tailored support for the modernization of DCS systems and the preparation for upgrading to SIMATIC PCS neo.

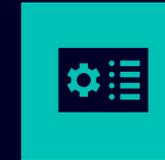
The service module „Process Historian Modernization“ provides an automated, standardized procedure for this with transfer of the historical process data.

Solution and Service

- PH Modernization Services offer standardized and system-tested service all around the modernization of SIMATIC Process Historian (SIDS¹ PH).
- The historic process data is saved and integrated into the new PH system environment by upgrading the PH database.
- Data porting distributes the old archive data to the new hardware environment.



Your value



Preservation of Historical Process Data



High quality through automated workflows and standardized hardware (SIDS PH)



Reduction of time and costs for upgrades

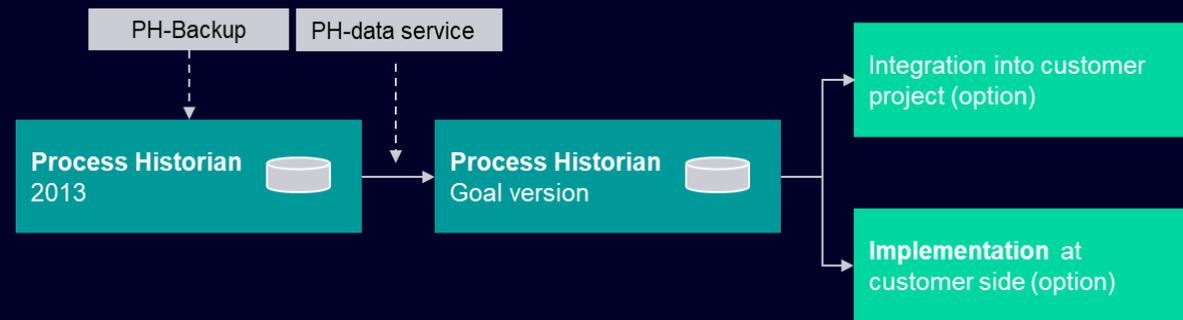
¹ SIMATIC DCS/SCADA Infrastructure

Permanent availability of historical process data with PH Modernization Services



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¹ SIMATIC DCS/SCADA Infrastructure

Challenge

How can access to historical process data be ensured across modernization?

How can we achieve **less risk** in selecting the right Process Historian hardware?



How can **performant access to historical process data** be ensured across a modernization?



How can the operation of **Process Historian** be ensured in a new hardware environment?



How can we achieve **less risk** in selecting the right Information Server Update?



Process Historian Modernization

Positioning within the Modernization Portfolio

Legacy System

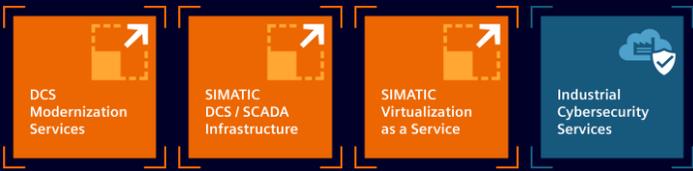


Standardized Modernization Portfolio Elements

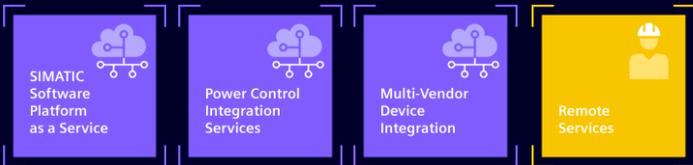
Application Upgrade



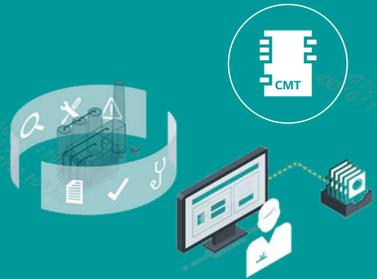
System Upgrade (z.B. SIMATIC PCS 7 Version X → SIMATIC PCS 7 Version Y)



Additional Package



State-of-the-Art System



Service Contracts



Why should you choose PH Modernization Services?



Modularity

Modular service by Siemens experts for the modernization of your SIMATIC Process Historian.



High quality

Through automated workflows and standardized hardware (SIDS PH), ensuring the preservation of Historical Process Data.



Efficient Upgrades

Reduction of time and costs for upgrades.

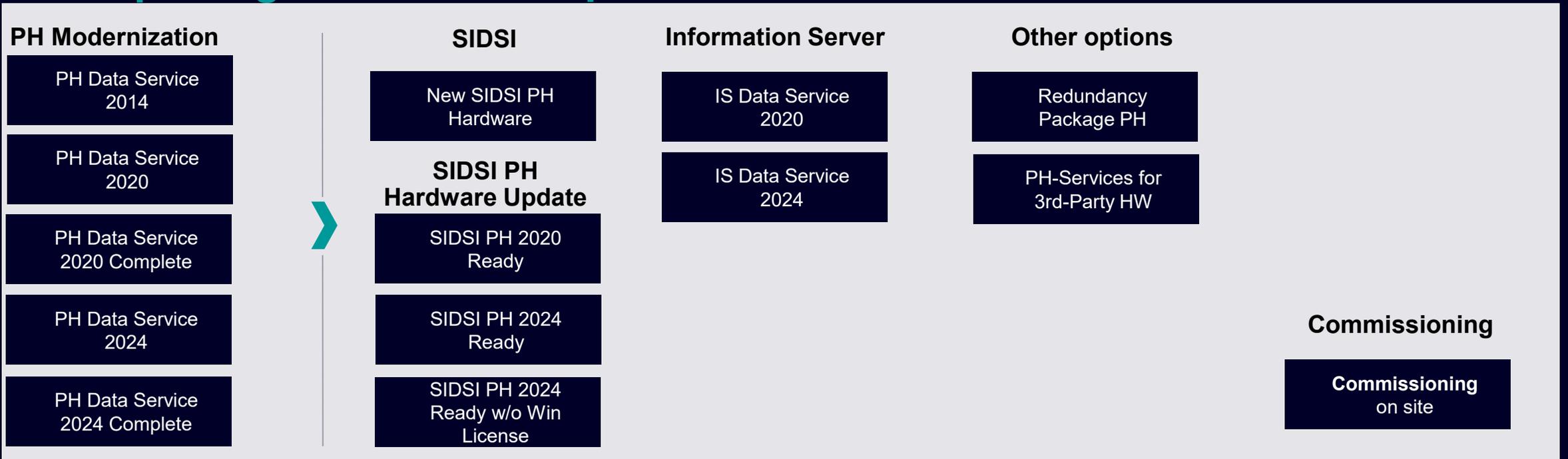
Process Historian Modernization

Basic packages

- In order to access the enormous amounts of data for plant optimization, you need a powerful archiving and reporting system. This is what the Process Historian offers.
- It is important for the customer to ensure access to its historical process data after a modernization. This is ensured with this service.

Basic packages

Order options



Process Historian Modernization

Basic packages

Legend



PH Data Service 2014

- PH data is upgraded to PH 2014 SP3 UPD 6

PH Data Service 2020

- PH data is upgraded from PH 2014 SP3 UPD 6 to the current version of PH 2020

PH Data Service 2020 Complete

- PH data will be upgraded to the current version of PH 2020 (combination of PH Data Service 2014 & PH Data Service 2020)

PH Data Service 2024

- PH data is upgraded from PH2014 SP3 UPD 6 to the current version of PH 2024

PH Data Service 2024 Complete

- PH data will be upgraded to the latest version of PH 2024 (combination of PH Data Service 2014 or PH Data Service 2020 & PH Data Service 2024)

New SIDS PH Hardware

- New SIDS PH is offered together with our service

SIDS PH 2020 Ready incl. Windows License

- The existing customer SIDS PH hardware and service agreement will be updated for the PH 2020 and Windows Server 2019 the Windows License **isn't** already available in the Service Agreement

SIDS PH 2024 Ready incl. Windows License

- The existing customer SIDS PH hardware and service agreement will be updated for the PH 2024 and Windows Server 2022 the Windows License **isn't** already available in the Service Agreement

Process Historian Modernization

Basic packages

Legend



IS Data Service 2020

- IS data is upgraded from IS 2014 SP3 UPD 6 or newer to the current version of IS 2020

IS Data Service 2024

- IS data is upgraded from IS 2020 or newer to the current version of IS 2024

Redundancy Package PH

- Service for setting up a redundant process historian

SIDSI PH 2024 Ready w/o Windows License

- The existing customer SIDSI PH will be Updated for the PH 2024 and Windows Server 2022, the Windows License **is** already available in the Service Agreement

PH-Services for 3rd-Party HW

- If the customer does not use SIDSI PH HW we offer PH Data Service also for 3rd party HW (VMWare, Dell HW etc.)

Commissioning with data transfer on site

- Corresponding PH or IS Data Service, which is performed at the customer's site.

Highlight from DI CS PA regarding DCS Modernization Services

Chemical Manufacturer

The company opened in 2008 and expanded in 2015, this site manufactures high performance lubricant additives and synthetic base fluids for use in automotive and lubricants industry.

Customer objectives

- Customer targets to reduce maintenance cost on the equipment
 - Current SIMATIC PCS 7 hardware are aging, software is obsoleting in 2023
- Customer targets to initiate cyber security measurement.
 - No cyber security measure in current SIMATIC PCS 7 system

Solution and Service

- Siemens DI CS and DI CS RC-SG team to initiate modernization analysis and offer the Upgrade Factory solution:
- AS/OS Analysis from DCS Library Services was done to have details on the project
- SIMATIC PCS 7 status audit to be conducted before the actual upgrade work
- All new SIMATIC Virtualization as a Services (SIVaaS) system
- All new SIMATIC DCS/SCADA Infrastructure backup & restore server and all new Process Historian (PH) using preconfigured SIMATIC DCS / SCADA Infrastructure (SIDS)
- DI CS/ DI CS RC-SG technical experts to perform the entire upgrade using DCS Modernization Services from HQ with Factory Acceptance Test on original customer Hardware in Karlsruhe, Germany with handover to SIEMENS Singapore

Customer benefits

- Energy and maintenance cost saving through the new SIVaaS system
- Avoid legacy system maintenance cost
- Higher level reliability and stability of system
- Achieve certain level of cyber security and flexibility to expand after the upgrade
- Short downtimes due to high quality of the upgrade





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ET 200SP HA](#)

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