

**Product Summary of XLReporter
with
Siemens SIMATIC[®] WinCC and SIMATIC[®] PCS 7**



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Summary

SYTECH IS “THE REPORT COMPANY”

SyTech “TheReportCompany”, Inc. is a leading provider of automated reporting and data analysis software for production and management. Our award-winning software is endorsed by major international manufacturers and Fortune 500 companies throughout the world.

XLReporter is designed with the powerful features and functionality of Microsoft Excel. The product provides The Complete Reporting Solution to suit the needs of manufacturing and industry and is designed to be readily usable by both production and management.

XLReporter’s creative design was awarded the coveted Control Engineering Editor’s Choice Award

Creating Excel reports with the **XLReporter Professional** consists of four steps: **Design**, **Report**, **Manage** and **Distribute**.

- **Design.** Design a report template in Excel and specify the source of the data, e.g., real time, historical, analytic and database. If the template is to be used on-demand, then an interactive form is also designed.
- **Report.** Defines a schedule to generate reports from the template periodically (e.g., every day), triggered on an event (e.g., the end of a batch) or initiated from custom scripts. On demand reports can be generated from the interactive form, locally or across the network.
- **Manage.** Apply analysis and data management to turn the raw data into meaningful report information.
- **Distribute.** Determine the format of the final report and the people who will receive it. Completed reports are stored in XLS, PDF or HTML format and may be sent automatically to printers, email, file servers and web servers.

Product Overview

XLREPORTER EDITIONS

XLReporter is provided in four editions Standard, Suite, Professional and Team.

	Standard	Suite	Pro	Team
Template design entirely in Microsoft Excel	✓	✓	✓	✓
Unlimited templates	✓	✓	✓	✓
Use government and regulatory templates	✓	✓	✓	✓
Dynamic range support for all Excel features	✓	✓	✓	✓
Data visualization beyond Excel	✓	✓	✓	✓
Export data to process tags, smartphone and XML	✓	✓	✓	✓
Analytic calculations from real time and historical	✓	✓	✓	✓
Automatic reporting on periodic and event triggers	✓	✓	✓	✓
Automatic output to printers, Excel files and web pages	✓	✓	✓	✓
Report from real time servers e.g., OPC	✓	✓	✓	✓
Report from analytic server	option	✓	✓	✓
Report from relational databases e.g., SQL Server	option	option	✓	✓
Report from historians e.g., OPC-HDA	option	option	option	option
Interactive reporting from a local workstation	✓	✓	✓	✓
Secure PDF and Excel file viewer		✓	✓	✓
Automatic web site management		✓	✓	✓
Automatic output to encrypted PDF format			✓	✓
Automatic output to email			✓	✓
Interactive reporting from any networked workstation				✓
User security management				✓
Client reporting				✓
Client viewing				✓
Client report sharing				✓
Thin Client Install				✓
No Excel license required				✓

DATA INTERFACES

XLReporter provides a number of interfaces to the Siemens SIMATIC products. A report can contain information from one or more of the interfaces.

Real Time Interface

The real time interface is based on the OPC standard and provides access to the WinCC/PCS 7 live values. The interface can be used from a networked workstation that has the OPC core components installed.. The interface provides:

- Tag browsing for real-time tags configured in the local or any networked WinCC/PCS 7 OPC Server. This greatly simplifies the design of a report template in the Designer.
- Access to current values from any local or networked WinCC/PCS 7 OPC Server. In the context of reporting, current values can be reported as a “snapshot” or added incrementally to the report, e.g., every hour over a day.

Historical Interface

The historical interface is based on the OPC-HDA standard and provides access to the WinCC/PCS 7 process archives. The interface can be used from a networked workstation that has the OPC core components and the Connectivity Pack installed. The interface provides:

- A history group builder designed with custom features to shorten development time and increase productivity.
- Tag browsing for the historical tags configured in the local or remote WinCC/PCS 7 server. This greatly simplifies the design of a report template in the Designer.
- Access to historical values from any local or networked WinCC/PCS 7 server.
- Many standard calculations, including maximums, minimums and averages.
- A preview option to test the configuration of the group, thus saving deployment time.

Analytic Interface

The **XLReporter** analytic engine creates analytics from real time data and makes them available for reports. By selecting a tag from the real time server and setting a time frame, an array of statistics and other valuable information is provided calculated.

Database Interface

The database interface makes **XLReporter** compatible with any relational database and is available from any workstation that has access to the database. A powerful SQL (structured query language) builder creates SQL statements without needing to know SQL programming.

Alarm Interface

The alarm interface is based on the WinCC OLE-DB provider and provides access to the WinCC/PCS 7 alarm archives. The interface can be used from a networked workstation that has the Connectivity Pack installed. The interface provides:

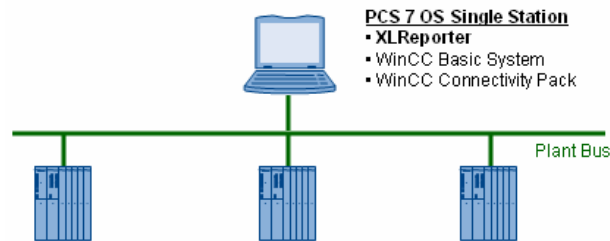
- A database group builder designed with custom features to shorten development time and increase productivity.
- Table and column browsing configured in the local or remote WinCC/PCS 7 server. This greatly simplifies the design of a report template in the Designer.
- Access to full or partial alarm records values from any local or networked WinCC/PCS 7 server.

ARCHITECTURES

The following illustrates typical architectures:

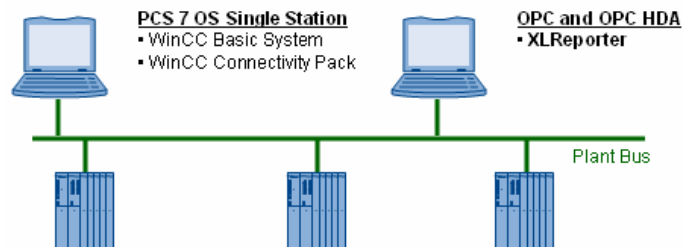
PCS 7 OS Single Station

Real time data, historical data and alarm messages available to **XLReporter**.



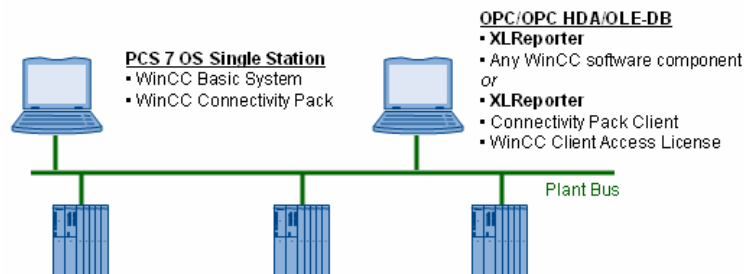
PCS 7 OS Single Station with an OPC/OPC HDA Client

Real time and historical data available to **XLReporter**.



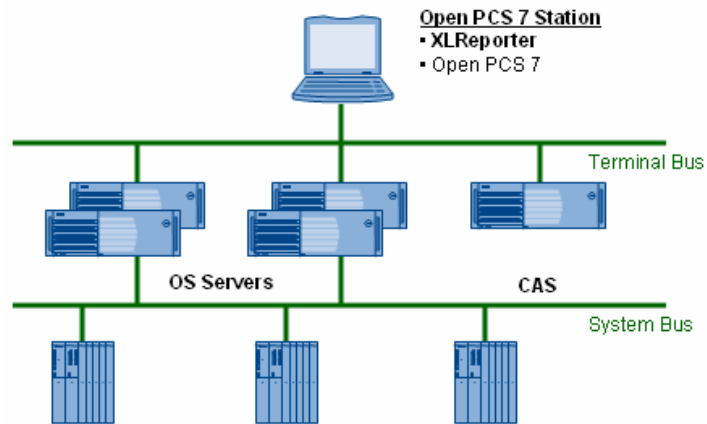
PCS 7 OS Single Station with OPC/OPC HDA and OLE Client

Real time data, historical data and alarm messages available to **XLReporter**.



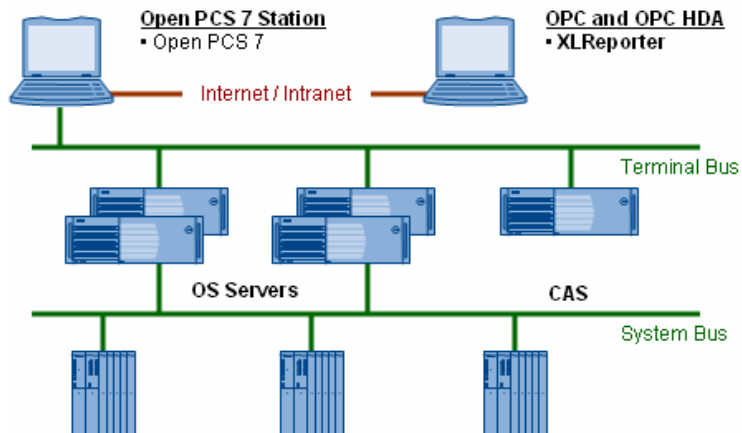
Open PCS 7 Client/Server

Real time data, historical data and alarm messages available to **XLReporter**.



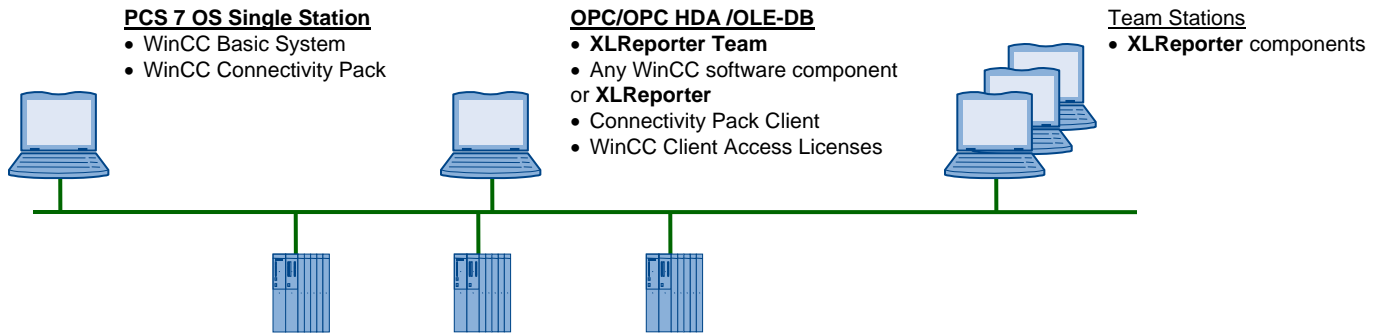
Open PCS 7 Client/Server with an OPC/OPC HDA Client

Real time and historical data available to **XLReporter**.



PCS 7 OS Single Station with OPC/OPC HDA and OLE Client

Real time data, historical data and alarm messages available to all **XLReporter Team Stations**.



Open PCS 7 Client/Server with OPC/OPC HDA and OLE Client

Real time data, historical data and alarm messages available to **XLReporter**.

