synTQ

Reporting Services

The flexible reporting platform for the visualisation of historic runtime data

synTQ Reporting Services (synTQ RS) is a high-level package that enables the user to generate a wide variety of reports based on data stored within the synTQ database (or multiple databases if more than one synTQ application is being used). Data from synTQ FM, synTQ Lite, synTQ Lean, synTQ OEM and synTQ EM can be viewed and reported on.

synTQ RS would typically be installed on a separate server from the one in use by the main manufacturing systems (although there can be exceptions to this recommendation). This configuration eliminates the risk that real-time PAT performance will be compromised while large reports are being generated.

synTQ RS is delivered with a number of pre-prepared standard reports that are useful for many projects, however when it comes to project specific reports then these tend to be unique and have to be created on a case-by-case basis. The format and content of the project reports vary dramatically from project to project. Custom reports can be created by Optimal, your local synTQ Application Partner, a competent third party or your in-house team. Indeed they can be created by any competent user of programs such as Microsoft Reporting Services™ or Crystal Reports™.

The flexible design gives users unlimited scope to generate reports from high-level management information, down to detailed batch-specific data.

Reports are presented clearly and attractively, using a range of report-generation tools, which enables data to be swiftly assimilated and turned into useful information. Once reports have been produced, they can be stored in various formats, including PDF, printed or exported to other platforms.

In Summary

synTQ RS facilitates the creation of electronic and printed PAT reports without adding load to your plant-level real-time synTQ systems. The reports can be pre-configured or configured by authorised users, providing a flexible way of turning data into information.

Optimal Industrial Technologies

Version 5 Highlights

- Preconfigured reports
- Comprehensive data unpacker
- Fully flexible reporting using Microsoft Reporting Services™ or Crystal Reports™
- Cloud-based data pump system
- Report on all data:
  - Measured data
  - Derived data
  - Regulatory data
  - Configuration data

synTQ

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Technical Specification

System Operation

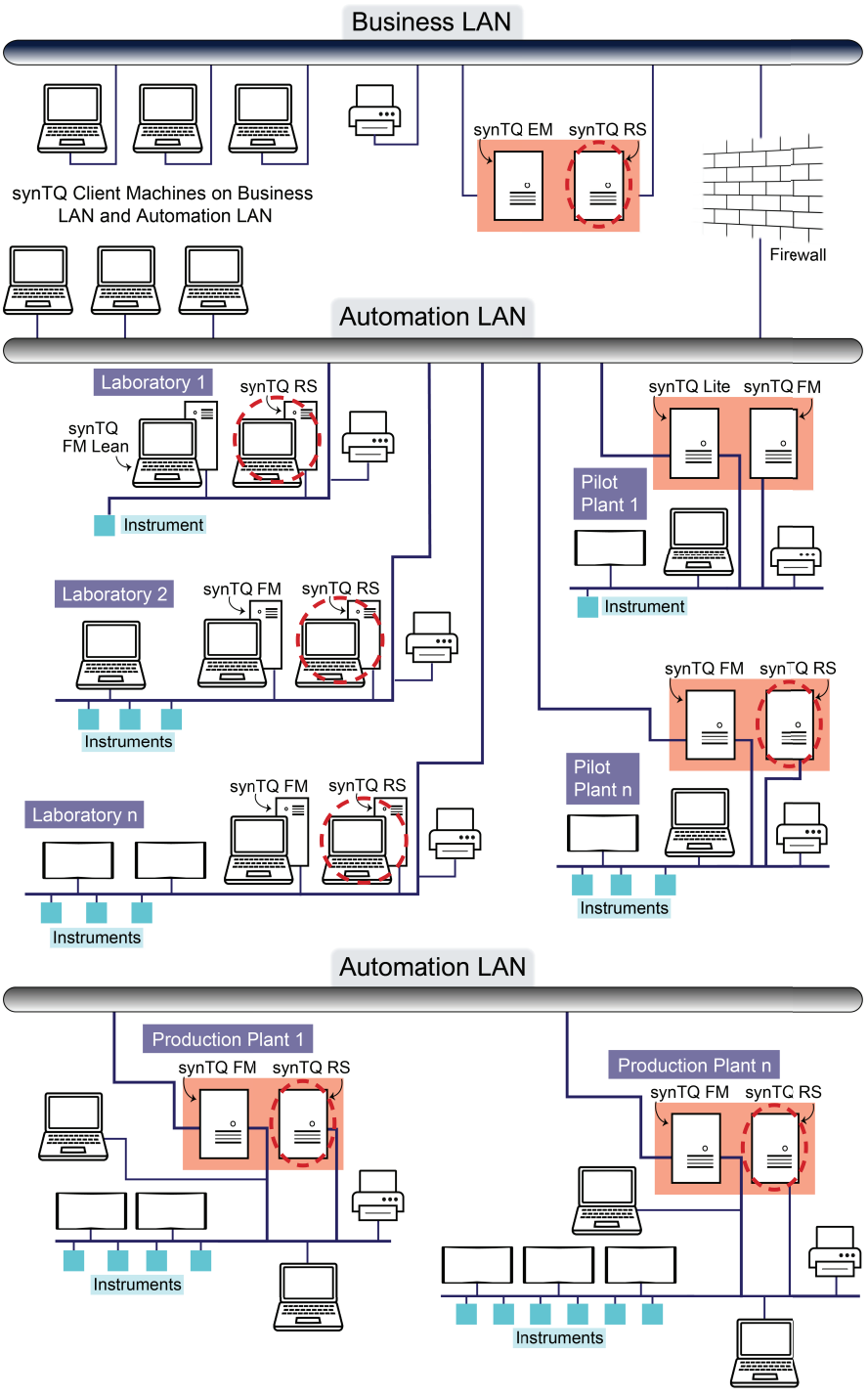
synTQ RS can report on single or multiple synTQ FM, synTQ Lite, synTQ Lean or synTQ OEM systems in any combination or a single synTQ EM. It is typically deployed on a physical or virtual server that is separate to the synTQ FM server and located on the automation or business LAN. Data is continuously uploaded to the reporting server from the disparate synTQ systems.

This architecture ensures that the mission-critical synTQ manufacturing systems can never experience performance issues caused by the running of a particularly data-intensive report.

Reports are based on a SQL server database, meaning that you can generate reports using industry standard tools, such as Microsoft Reporting Services™ and Crystal Reports™.

A typical distributed architecture for implementing PAT using synTQ is demonstrated by the right-hand diagram (synTQ RS is highlighted with a red dotted circle).

Multi synTQ Node Distributed Architecture Using A Range of synTQ Application Types



Please note that specifications are subject to change without notice.

SciY Optimal Industrial Technologies

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