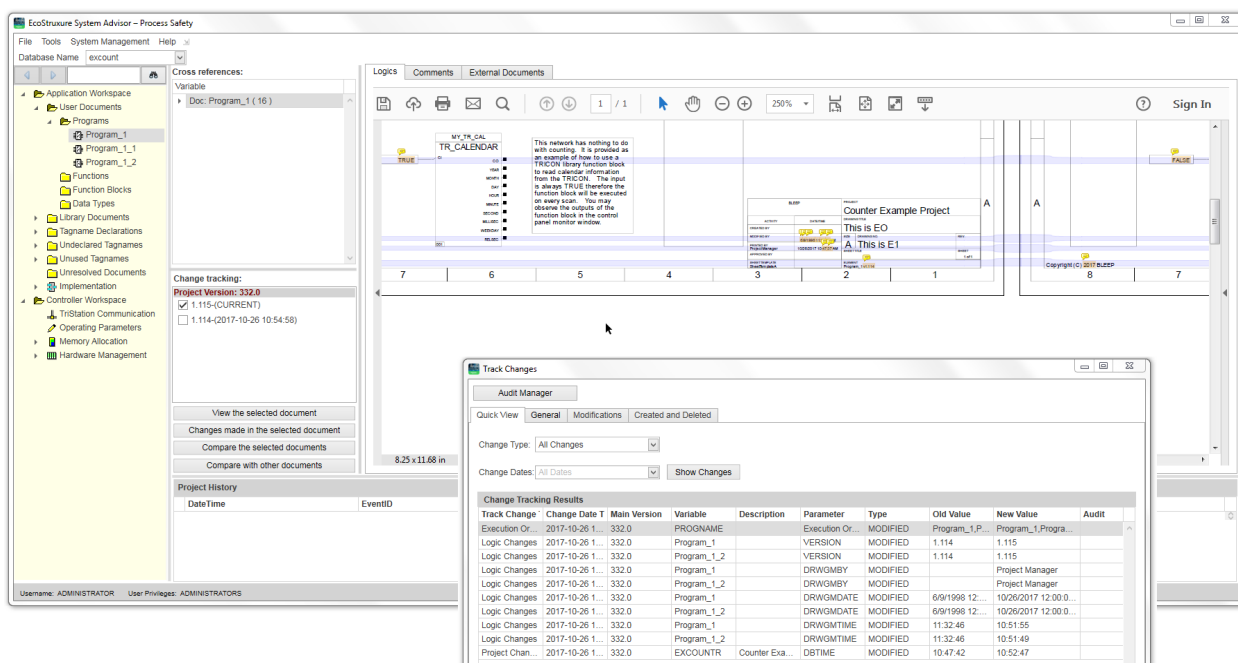


EcoStruxure System Advisor – Process Safety



In many industries, plant operations require staff to have positive knowledge of the safety system's configuration and to have access to accurate and up-to-date documentation. EcoStruxure System Advisor – Process Safety helps improve operational integrity and insight by providing enhanced configuration documentation, change tracking, and I/O management for Triconex® systems.

FEATURES

► System Documentation

- Provides complete I/O documentation
- Documents all tagname references (including tagname references to Foxboro DCS if you have System Auditor for Foxboro installed)
- Documents CEM, Structured Text, Ladder and FBD code

► Change Tracking

- Tracks a range of configuration changes, including:
 - Logic
 - Tagnames
 - TriStation™ 1131 configuration and security
 - Hardware, execution order, and SOE configuration

- ▶ I/O Management
 - Documents I/O
 - Finds spare I/O
 - Reserves I/O
- ▶ Advanced Queries
 - Provides standard queries
 - Allows customized queries
- ▶ Reporting
 - Stores all historical information in a server database
 - Provides historical view by date and change
 - Allows customized views by filtering and sorting

BENEFITS

System Advisor – Process Safety helps you:

- ▶ Reduce audit costs for regulatory compliance
- ▶ Reduce costs associated with managing documentation updates
- ▶ Improve reliability
- ▶ Improve process performance
- ▶ Ensure correct database configuration and optimize resource utilization and system performance

ARCHITECTURE

System Advisor – Process Safety is based on a client server architecture. Information flows from the Triconex control network stations to System Advisor – Process Safety.

Figure 1 shows a typical setup.

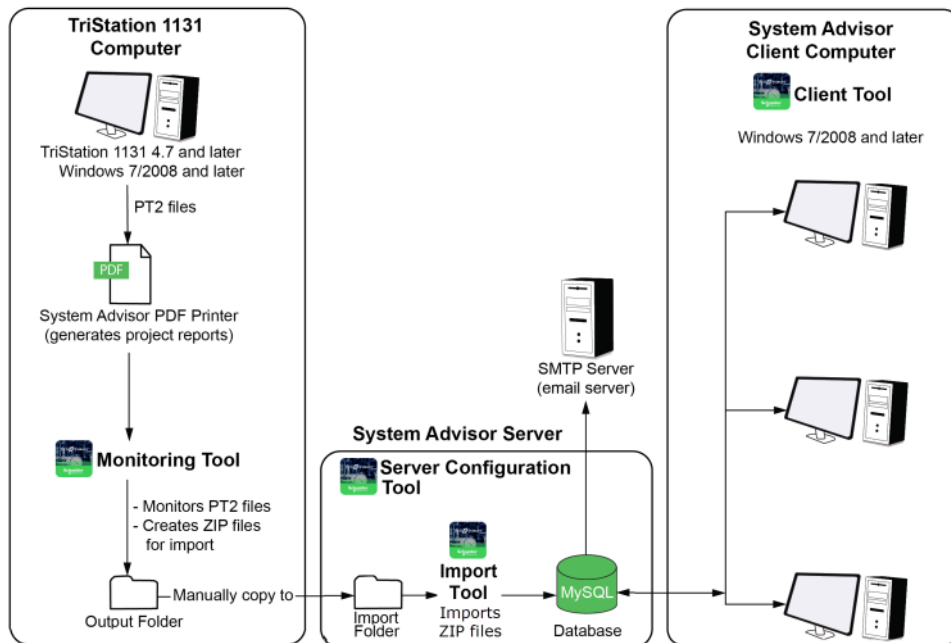


Figure 1. Typical Setup with System Advisor - Process Safety

REGULATORY POSITION

System Advisor – Process Safety is a response to practices required by FDA Regulation 21 CFR Part 11, OSHA 1910, and other regulations. These regulations require that changes made to the safety system be documented and distributed to all affected parties, especially to the process operators and their supervisors, and that access to the system be controlled and monitored.

Though System Advisor – Process Safety provides support for these regulations, it is not sufficient by itself to ensure that any given installation is compliant.

Certification of any given installation as compliant is achieved not only through the application of hardware and software products, like System Advisor – Process Safety but also through external review, internal procedures, and a variety of other mechanisms.

SYSTEM REQUIREMENTS

System Advisor – Process Safety operates with all Triconex hardware that uses the TriStation 1131 Developer's Workbench version 4.7 or later.

System Advisor – Process Safety is PC-platform independent and is also supported in virtual environments that meet the minimum PC/Server requirements below.

System Advisor Server

- ▶ Windows® 7 Professional or Windows Server® 2008 (32-bit or 64-bit) or later
- ▶ Intel 2.2 GHz or faster
- ▶ Multi-core enabled with at least 4 cores
- ▶ 8 GB RAM or greater
- ▶ 100 GB available hard drive space

System Advisor Client

- ▶ Windows 7 Professional or Windows Server 2008 (32-bit or 64-bit) or later
- ▶ Intel 1.5 GHz or faster
- ▶ 2 GB RAM or greater
- ▶ 100 MB available hard drive space
- ▶ 1280 x 1024 monitor resolution



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