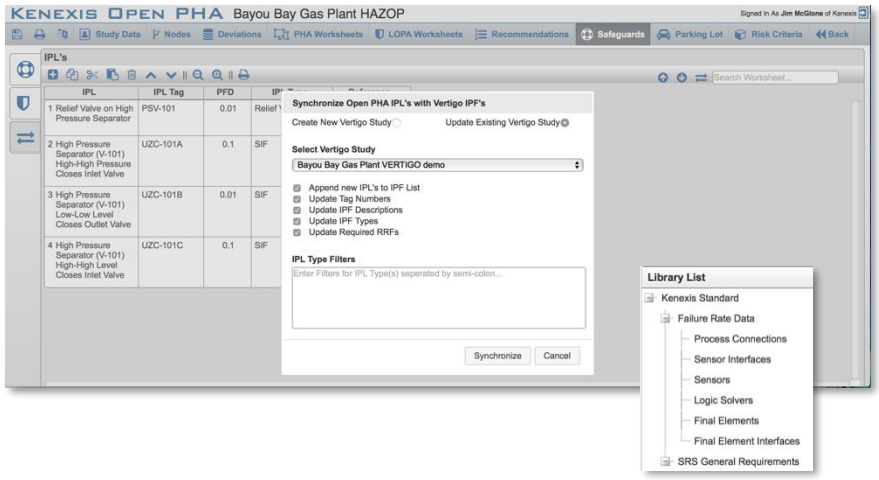
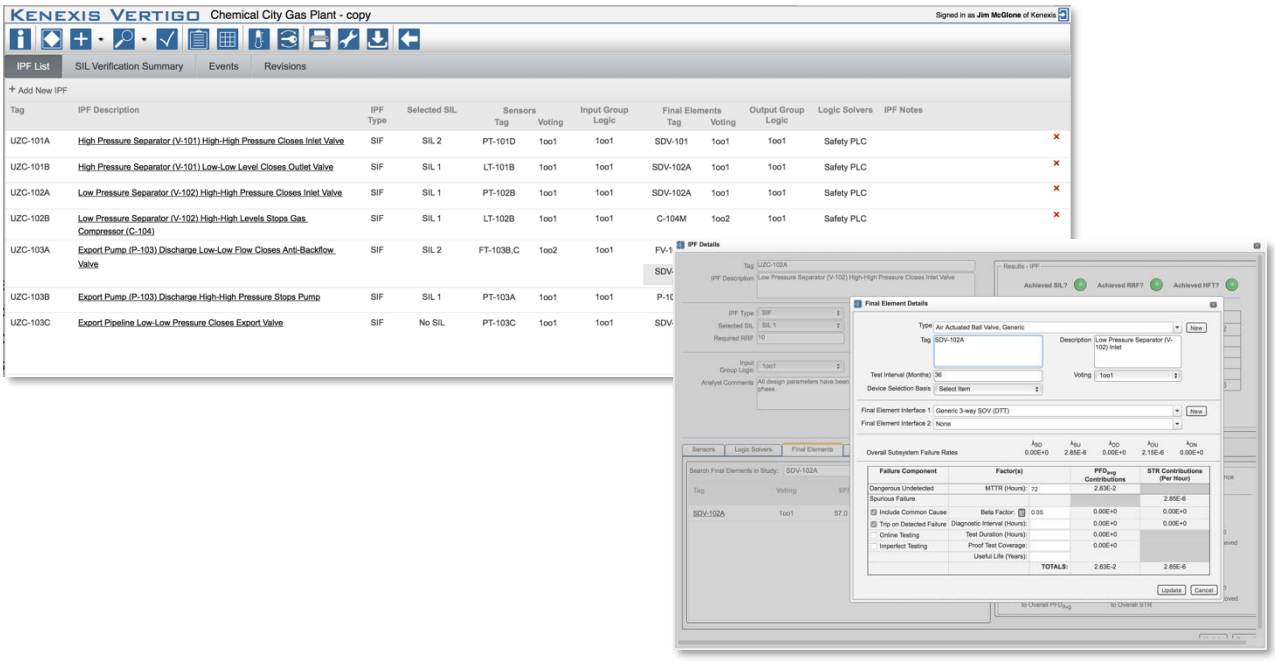
Vertigo™ SIS Safety Lifecycle online software application at https://kiss.kenexis.com provides a flexible and effective tool for managing the systems that safeguard process plants. It was specifically designed to manage your Safety Instrumented System in accordance with the industry standard ISA61511/ISA84. It provides users with a facility or enterprise solution for developing conceptual designs, documenting, tracking, proof testing, and maintaining documentation throughout the entire life of the system.



Instrumented Protective Functions (IPFs) can either be entered manually or synchronized from Open PHA™ Premium as shown in the image to the right. After selecting the Sensors, Logic Solvers, and Final Elements using either Kenexis Standard Failure Rate Data or your own data, you can perform SIL Verification Calculations in Vertigo™. Vertigo™ keeps track Safety Requirement Specifications (SRS), C&E Tables, and every protective function, it's status, events, revisions, testing, and bypass authorization. Status is immediately recognizable through the dashboard.



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Features

- ✓ Extensive Equipment Failure Rate Database
- ✓ SIL Verification Calculation Engine
- ✓ Enterprise, Multi-Site, Multi-User Web-Based Platform
- ✓ Safety Requirements Specifications (SRS) Documentation

Failure Rate Database

Vertigo™ utilizes an extensive database of instrument failure rate data developed over years of experience by Kenexis engineers and maintained in the Integrated Safety Suite at https://kiss.kenexis.com . This database includes both generic and application specific failure rate data collected from both published industry sources as well as data collected by Kenexis from various client sites worldwide. In addition, vendor specific data is included for most popular makes/models of instruments. Vertigo™ also allows users to create custom databases specific to their plant or organization.

SIL Verification in Compliance with ISA TR84.00.02

SIL Verification calculations can be performed in Vertigo™ using a simple, easy to use interface. All calculations performed by the Vertigo™ calculation engine have been extensively validated and are in conformance with the recommended practice of *ISA TR84.00.02 Safety Instrumented Functions (SIF) – Safety Integrity Level (SIL) Evaluation Techniques.* Arbor™ provides a process safety engineer designed fault-tree analysis tool for complex evaluations.

Robust SRS Data Structure

Allows users to quickly develop SRS documentation with intuitive data structure. Simplifies the process of creating SRS by avoiding duplicate entries while providing outputs in a variety of formats which are specific to the needs of the document user. Requirements are collected at the individual instrument level at the SIF level and at the overall system/project level. In addition to the written requirements of the system, Vertigo™ also automatically creates a compact and efficient functional logic representation of your system through cause-and-effect diagrams.

About Kenexis

Kenexis, an independent consulting engineering firm that provides technical safety services for process industries, and other industries that manage risks related to chemicals or stored energy. Kenexis is helping change the way that safety and security are incorporated into industrial business practices by providing best-in-class software tools, associated training, and comprehensive technical support.

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