

SIL Calculation / SRS

aeShield includes a robust SIL Calculation Engine with SRS Datasheets ensuring IEC 61511 Compliance. This solution provides central storage of all protection layer data across an enterprise. Quickly identify if achieved results meet the required risk reduction.

Compliance Made Simple



Templates and Libraries

Includes Failure Rates, 8 SIF Templates, 5 IPL Templates, and 1 Unit Operation Template



Functional Safety Compliance

Provides central storage of all protection layer data across an enterprise



Bulk Data Management

Bulk insert data from third party sources

Expert System for SIS

- ▶ **Save manhours** and reduce rollout costs while driving consistency on SIF/IPL designs
- ▶ Revision control allows users to track data that has been edited, checked, approved and issued.
- ▶ Leverage our **Expert System** to rapidly create SIL Calcs, SRS, C&E, and Test Plans from templates or existing SIFs / IPLs
- ▶ Reuse or clone any level of the SIF Architecture
- ▶ **Never pay to type data twice**
- ▶ **Simultaneous users** all working at once

Advanced Reporting

aeShield[®] has advanced for reporting to support project work and issue key deliverables

- ▶ **Over 170 canned reports**
- ▶ Autogenerated SIF List / SIL Verification Report
- ▶ SIL Calc Status report provides pass/fail criteria based on target and achieved
- ▶ Four SRS Datasheet formats to pick from
- ▶ Bulk generation / printing of SIL Verification and SRS Datasheets