aeShield®

PHA / LOPA Module

aeShield includes a fully functional PHA / HAZOP / LOPA module for study execution and documentation. This solution provides central storage of all studies across an enterprise. The innovative design allows one to quickly perform a process safety impact analysis related to proposed changes.

Compliance Made Simple

Down-loadable Desktop

Conduct Studies offline without a requirement for network access

Global Standards

Build PHA / LOPA study standards to **drive study efficiencies**

Data Management

Use bulk data exports for **advanced updating / checking**

Powerful Study Worksheets

aeShield includes a web-based interface for standards management and reporting.

- Supports PHA, HAZOP and/or Checklist study types
- Supports **cause based or consequence based** studies
- Supports summing and non-summing of causes in LOPA
- Ability to **copy / clone all study data** to minimize team time
- Standard reports to save manhours and drive consistency

Powerful Database

aeShield® has a dynamic PHA/LOPA engine that supports risk assessment requirements of OSHA 1910.119 and fully integrates into the process safety lifecycle defined by ISA-84/IEC 61511.

- **Direct integration** of PHA/HAZOP and LOPA
- Study data automatically flows into Functional Safety design
- As the design evolves and Protection Layers change / targets get revised, **SIFs / IPLs are automatically updated**