

Features :

- Subscription based SaaS
- IEC and CCPS LOPA compliance
- Cause-Consequence pair analysis
- SIF demand rate determination
- Test frequency for layers
- Built in data
- Process Safety Time mandatory
- Overview & Detail report

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SILlopa®

(User Friendly Versatile LOPA Based SIL Determination Tool)



Requirement :

An accident is a propagation of cause, to consequence. LOPA takes up cause by cause and analyses how it proceeds to the end point consequence, considering preventive and mitigative barriers in its path.

The advantage of LOPA methodology is consideration of conditions required as well as other layers of protection which are to be given credit in determining the risk.

LOPA is a semi quantitative method and the data that are used for determining the risk reduction is of paramount importance to get right results.

Solution :

SILlopa® is designed to analyze and determine SIL for each cause that can demand the Safety Instrumented Function. It is possible to build multiple scenarios for a given cause in order to consider the worst case.

SILlopa® has provisions to consider conditions required, as well as other layers of protection which are to be given credit in determining the risk. The program allows adding additional conditions and protection layers.

SILlopa® comes with reliable built in data and has provision for Users to add their own, if required.

SILlopa® uses the friendly LOPA format for analysis and reports. Reports can be produced at the any hierarchy level and are easily readable.

SILlopa®
LEARN AND GET STARTED TODAY

SILlopa® is designed for ease of use, consistency and accuracy. Whether you are:

- Looking for a SIL determination product
- Already using one but looking for a better user friendly product

Visit the product page at: <https://www.gorandr.com/product/silopa/> to take a look and register in the site www.gorandr.com to have a feel.

Overview :

Functional Safety standards such as IEC 61508 and IEC 61511 are not prescriptive in nature. Compliance to them require proper tools and methods. Even though there are few methods for SIL determination, LOPA (Layer of Protection Analysis) is a logical way to find the required SIL (Safety Integrity Level) of a Safety Instrumented Function (SIF).

The cloud based SILlopa® program is designed in line with CCPS LOPA method emphasizing cause-consequence pair layer of protection analysis.

The program is user-friendly and highly versatile. SILlopa® provides a detailed understandable report of what was analyzed, for the subsequent phases of the Functional Safety lifecycle. The SILlopa® program is hosted in cloud (delivered Software as a Service (SaaS)) for easy updates and help Client comply to latest requirements and enhanced features.