

## LOPAWorks 3

LOPAWorks® allows users to conduct Layers Of Protection Analysis (LOPA) for hazard scenarios. The software calculates scenario risks and compares them with risk tolerance criteria to determine what, if any, risk reduction is needed. Scenarios may be associated with hazardous events to facilitate compliance with the IEC 61511 / ISA 84 standards for Safety Instrumented Systems (SISs). Dominant contributors to scenario risk may be easily identified using the software.

### KEY BENEFITS

Improve the efficiency and reduce the time needed to complete LOPA studies

Import hazard scenarios from PHAWorks (V5 onwards) or enter them individually.

Simplify the performance of LOPA studies by separating them from PHA studies while preserving their connection.

Use a PHA spreadsheet or CCPS form, or a combination of both, for data entry.

Import or enter scenarios into a single LOPA study from multiple PHA projects to allow risk summation for entire facilities.

Key field entries are linked for global updating of the entries and associated data.

Perform worksheet math automatically.

Make changes to the worksheets and immediately see the impact on overall risk.

Automatically aggregate risk by summing over hazard scenarios.

Select from standard reports which you can customize or create and configure your own reports.

### PHAWorks 5®

PHAWorks is a specialized tool for conducting Process Hazard Analysis (PHA) studies, such as HAZOP and What If studies. The software is designed to allow you to start conducting studies straight out of the box, leading you through each step of data entry. Within minutes, you can start documenting your PHA studies more quickly and efficiently while keeping the team focused on the task at hand.

### Tracker 2™

Tracker is a fully integrated and automated application for tracking action items from conception to completion. It includes full email capability along with scheduled automated tasks such as reporting, sending emails and reminders, and archiving. Tracker is designed to simplify the workflow of tracking any type of action item that needs to be managed such as PHA and LOPA recommendations and audit findings. You can customize the software to meet your specific tracking requirements.

# ***Specialists in Safety, Security and Risk***

## ***Consulting***

Primatech provides industry-leading services to help companies meet their PSM and risk management objectives. Primatech utilizes expert consultants, innovative approaches, and unsurpassed standards for project work.

## ***Training***

Primatech is a leading provider of process safety training to companies in the U.S. and around the world, Primatech offers over 35 courses for open enrollment and private, on-site delivery. Primatech courses are widely known for being the most comprehensive available. Courses feature hands-on workshops, detailed resource materials, and expert instructors. Primatech is the recommended process safety training provider for many organizations.

## ***Certification***

Primatech Certification Services (PCS), founded by Primatech Inc. as an independent organization, provides recognition to process safety and risk management professionals who meet defined standards in specific technical areas. Currently, professionals can seek certification in process hazards analysis, layers of protection analysis and process safety auditing.

## ***Software***

Primatech's software products are proven tools to support your process safety, security and risk management programs. Currently, Primatech offers the software packages LOPAWorks®, PHAWorks®, and Tracker™.

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