

PHAWorks Lite

PHAWorks Lite® is an alternative option to our flagship program, PHAWorks RA Edition, for those who don't require the features and flexibility of PHAWorks RA Edition. PHAWorks Lite allows you to easily start performing your studies and conduct both PHA and LOPA studies together in the same worksheet.

KEY BENEFITS

- Clean and intuitive modern interface
- Import your current PHAWorks 5 project files
- Use multiple PHA methods including HAZOP, What If, MHA, FMEA, HAZID, PrHA, DHA, Checklist, and Job Safety / Hazard Analysis
- Conduct PHA and basic LOPA studies in the same worksheet
- Perform LOPA worksheet math automatically
- Navigate easily between worksheets
- Drag and drop (move or copy) data
- Select multiple entries from drop-down lists or Entry Lists to enter into the worksheet
- Copy data between projects using Quick Copy
- Use master quick entry databases to enter repetitive entries
- Copy data between projects using Quick Copy
- Create new projects from existing projects
- Create and apply risk rankings
- Assign colors to cells in risk matrices to indicate risk levels
- Zoom in and out to change the size of items in the window
- Modify colors used in your projects
- Use standard reports or create your own custom reports
- Generate multiple reports at once using report groups
- Optional automatic updates

Example (HAZOP - Parameter-Based Traditional) - PHAWorks Lite

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Main Project Sessions Nodes **Worksheet** Reports

▼ Node 1. Toluene storage tank during filling

Parameter Level

Intention Do not exceed fill line

Causes		Consequences	LOPA?	Safeguards		Enablers		Risk After Safeguards			Scenario Risk					
Causes	Frequency			Safeguards	IPL?	PPD	Enablers	Value	S	L	R	Frequency	Tolerance	RRR	RRF	
1. Level transmitter, LT TK-104, fails to detect high level	1x10 ⁻²	1.1.1. Operator fatality	<input checked="" type="checkbox"/>	1.1.1.1. High level shutoff for tank, TK-104	<input checked="" type="checkbox"/>	1x10 ⁻²	Lack of PM on level transmitter LT TK-104	5	5	3	7	1.25x10 ⁻⁵	<input type="checkbox"/>	1x10 ⁻⁶	8x10 ⁻⁷	12.5
				1.1.1.2. Operator action to stop pump, P-100	<input checked="" type="checkbox"/>	1x10 ⁻¹	Probability of ignition	5x10 ⁻¹								
				1.1.1.3. Plant fire brigade	<input type="checkbox"/>		Probability of personnel in affected area Probability of harm from exposure	5x10 ⁻¹ 1								
2. Tank level indicating controller, LIC TK-104, fails mechanically	1x10 ⁻³	2.1.1. Operator fatality	<input checked="" type="checkbox"/>	2.1.1.1. High level shutoff for tank, TK-104	<input checked="" type="checkbox"/>	1x10 ⁻²	Probability of ignition	5x10 ⁻¹	5	2	6	2.5x10 ⁻⁷	<input type="checkbox"/>	1x10 ⁻⁶	None	None
				2.1.1.2. Operator action to stop pump, P-100	<input checked="" type="checkbox"/>	1x10 ⁻¹	Probability of personnel in affected area	5x10 ⁻¹								
				2.1.1.3. Plant fire brigade	<input type="checkbox"/>		Probability of harm from exposure	1								
3. Pump P-100 fails on due to mechanical failure	1x10 ⁻³	3.1.1. Operator fatality	<input checked="" type="checkbox"/>	3.1.1.1. High level shutoff for tank, TK-104	<input checked="" type="checkbox"/>	1x10 ⁻²	Lack of PM on pump, P-10	1.5	5	3	7	1.88x10 ⁻⁶	<input type="checkbox"/>	1x10 ⁻⁶	5.33x10 ⁻¹	1.88
				3.1.1.2. Plant fire brigade	<input type="checkbox"/>		Probability of ignition Probability of personnel in affected area Probability of harm from exposure	5x10 ⁻¹ 5x10 ⁻¹ 5x10 ⁻¹								

Zoom Level: 100%

Complete PHA and LOPA in the same worksheet