

“My experience with PHA-Pro has been nothing but positive ... our PHA facilitators group was able to learn PHA-Pro with very little training. It is a tool that is simple, yet it captures everything you need for a valid PHA. It is now the only program that we use to record and conduct all of our PHAs.”

Chevron

“PHA-Pro software has and continues to be a tremendous asset to our internal review process for EH&S.”

Wyeth

Satisfied PHA-Pro customers enjoying high ROI on their PHAs include:

- Abbott Labs ✦
- Alza Corporation ✦
- Ashland ✦
- BP ✦
- Bristol-Myers ✦
- Chevron ✦
- Dow Chemical ✦
- International Paper ✦
- Lucite International ✦
- Occidental Oil and Gas ✦
- Unilever ✦
- Wyeth ✦

- ❖ **Thorough recommendations tracking enables controls over the execution of recommended changes**
- ❖ **Reduces financial penalties on violations of regulations**
- ❖ **Improves plant or facility safety and increases operational efficiency**
- ❖ **Saves time and effort required to conduct PHA studies**
- ❖ **Provides data consistency to reduce chances of error**

Applicable across a wide cross-section of global industries (including: oil & gas, mining, electronics, chemical, pharmaceutical, food processing, and general manufacturing), PHA-Pro helps you comply with:

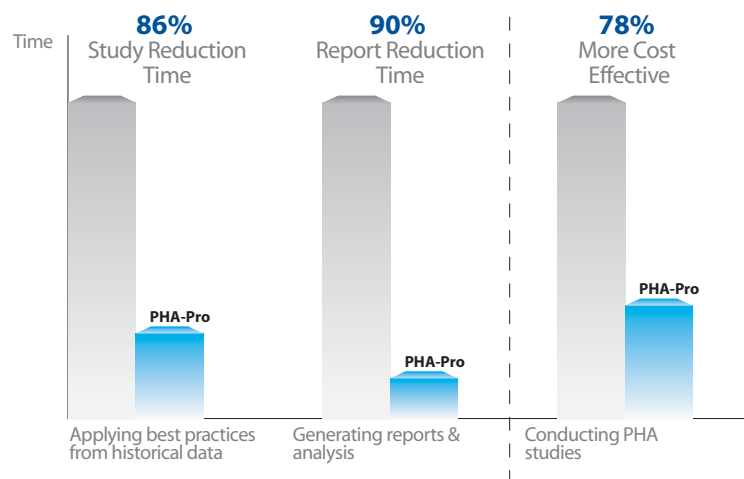
- ❖ OSHA 29 CFR 1910.119 PSM
- ❖ EPA 40 CFR Part 68 RMP
- ❖ ANSI/ISA S84.01
- ❖ IEC 61511 / 61508
- ❖ Seveso II Directive, COMAH

Easily configured to support many standards

Delivering Maximum Value

Being the best in its class, PHA-Pro 7 is a proven technology with pre-formatted industry- standard PHA templates, comprehensive libraries, and over 1200 checklist items.

Compared to manual transcription or spreadsheet software, PHA-Pro can potentially deliver the following return on investment:*



Companies can recover the cost of PHA-Pro in as little as one study.

*Times and costs are based on Dyadem estimates. Actual numbers may vary.

Key Features & Functionalities

Increase Worker, Facility, & Operational Safety

PHA-Pro 7 helps raise safety levels and improves your performance during audits. It reduces the likelihood of injury-related downtime and lowers the probability of financial penalties and litigation resulting from such occurrences.

Reduce Study Time

Data linking, recommendation tracking, pre-formatted templates, and hyperlinked references to worksheets streamline efficiency, reduce paperwork, and enable you to record and track progress.

Connects PHAs and LOPAs

Dynamic data linkage of different types of safety studies helps to manage risk across multiple process safety management elements. Integrated hazards analyses achieved with data mirroring in PHA-Pro can also highlight gaps in the management of process safety program

User-friendly Interface - Provide Expert Guidance

Pre-formatted industry-standard templates and sample studies minimize preparation and execution time and maximize study thoroughness. Intuitive GUIs, libraries, and checklists empower users with efficient and comprehensive analysis, tracking, management, and reporting.

Knowledge Base - Achieve More Rigorous Studies

PHA-Pro 7 comes loaded with the most comprehensive professional libraries available - including over 1200 checklist items. Past studies can easily be reused to retain valuable corporate knowledge and intellectual property. PHA-Pro 7 helps you build on your previous studies to avoid wasting time and resources.

Customizable To Meet Your Needs

Flexible, adaptable, and customizable to your industry and unique needs via a wide variety of analytical techniques and templates.

Data Transparency - Create Professional Documentation

Advanced professional reporting features, pre-formatted print/web reports, and auditing tools give you superior insight into your process operations. Hazards that would normally slip through the cracks due to overwhelming documentation are much more likely to be detected. PHA-Pro 7's sophisticated List of Reference feature enables monitoring through lists of recommendations regarding status, visibility, and completion – and links them back to the study.

Empower Your Teams

- ❖ Access rights and data protection features prevent unsolicited modifications
- ❖ Define scope, implement studies, and communicate progress via standardized corporate templates
- ❖ Delegate hazard analysis projects
- ❖ Keep documentation live and compliant
- ❖ Mutually agree on results and performance due to easy info-sharing

PHA-Pro supports the following methodologies individually and in combination:

- ❖ Hazard and Operability (HAZOP)
- ❖ What If / Checklist Analysis
- ❖ Target Safety Integrity Levels (SIL) Assignment
- ❖ Layer of Protection Analysis (LOPA)
- ❖ Preliminary Hazard Analysis (PrHA)
- ❖ Hazard Analysis and Critical Control Points (HACCP)

Request a demo at www.phapro.com/V7

Services & Training

Dyadem's Engineering Services Division provides high-quality risk management consulting and customized engineering services to the global engineering, process safety, and manufacturing communities. We offer expert technical training and consulting to assist you in reducing hazards/risks, identifying and correcting hazardous process problems efficiently, and ensuring compliance to OSHA and other industry regulations.

We facilitate a wide variety of risk studies and offer a unique co-facilitation program with your employees. We also provide both in-house and on-site courses and refresher training to help the members of your organization stay up-to-date across diverse methodologies and best practices.



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