

Ensuring Greater Safety and Reliability with Global Process Hazard Analyses (PHAs) Templates

OVERVIEW

Covestro is one of the world's leading manufacturers of high-tech polymer materials. Headquartered in Leverkusen, Germany, Covestro's products and solutions can be found worldwide in virtually all areas of modern life. With its discovery of polyurethane, it became the birthplace of high-tech plastics, and its product line now includes adhesives, coatings, foams, plastics, composites and films for a wide range of industries.

Besides its vision for a circular and climate-neutral future, Covestro strives to create a safe workplace. Producing and handling chemicals poses potential danger to its workforce, so the company places a high value on implementing advanced safety solutions. In particular, Covestro seeks to document their Process Hazard Analyses, known as PHAs, at scale.



Founded in 2015



Chemicals and Plastics



Leverkusen, Germany

€17.95 billion
Revenue

18,000
Employees

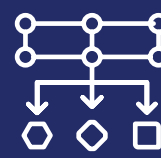
CHALLENGES



Standardization
of PHA documentation
so that plants will be
able to access and share
templates.



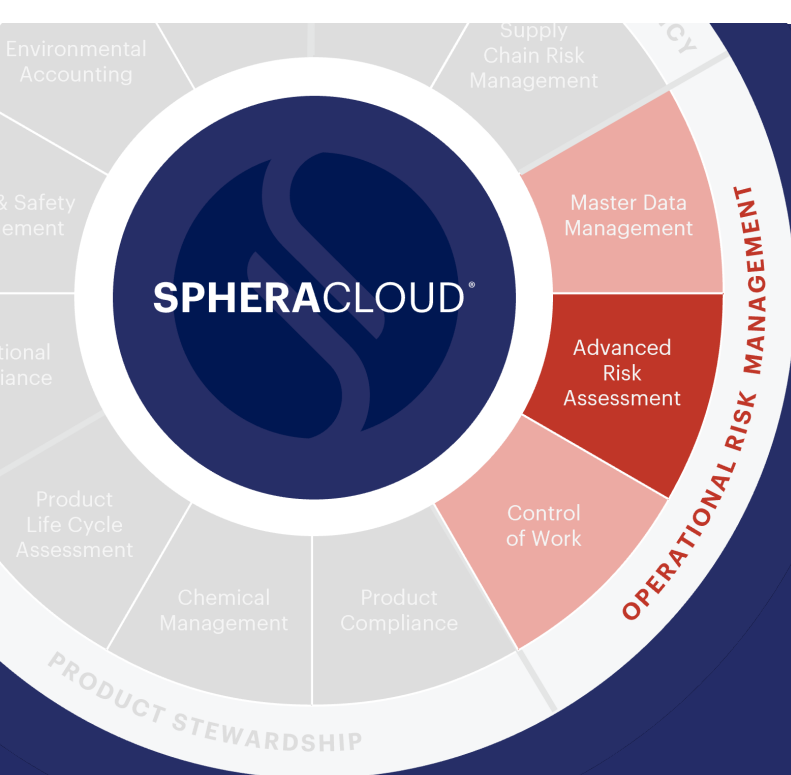
**Reduction
of effort**
spent on maintaining
software and keeping
hardware up to date.



Flexibility
to modify templates
in accordance with
changes in business and
industry requirements.



Visibility
of process safety
information to enable
solution evaluation
and tracking.



SOLUTION

OPERATIONAL RISK MANAGEMENT - SPHERA'S ADVANCED RISK ASSESSMENT (ARA) SOLUTION

Covestro teamed up with Sphera to implement PHA documentation software with template matching. Sphera offered to migrate Covestro's 10 years of accumulated data in their Stature Risk Management database over to SpheraCloud™, a licensor-operated, cloud-based Software as a Service (SaaS) solution. Ultimately, close collaboration between the businesses ensured a successful go-live of Advanced Risk Assessment (ARA) in SpheraCloud™ for Covestro in mid- 2021.

Sphera's cloud-based ARA solution enables enterprises to improve safety through better management of PHA documents by:

- Sharing documentation with authorities and archiving PHAs.
- Achieving efficiencies through global access to safety studies and solutions.
- Bringing data from disparate systems together to improve transparency across locations and levels.

"By ensuring that all Covestro process safety studies are available at every location and at all levels within operations, maintenance and projects, Sphera's ARA solution is supporting Covestro's goal of safe and reliable operations."

— Dr. Christian Six, ARA Migration Venture Manager, Global Process Safety Principle Expert

RESULTS

Originally deployed on-premise, Covestro today leverages Advanced Risk Assessment in Sphera's SaaS-based mobile platform SpheraCloud™. Using Sphera's PHA documentation software is now mandatory at every Covestro plant globally, helping all locations follow corporate documentation standards. By ensuring that all Covestro process safety studies are available at every site and at all levels within operations, maintenance and projects, Sphera's ARA solution is supporting Covestro's goal of maintaining safe and reliable operations.

Reliable IT security
through licensor-owned and operated software.

Improved safety
by supporting the goal of safe and reliable operations.

Smoother processes
thanks to a single information hub.

Continuing innovation
by advancing new features, sustainability and ESG goals.

Are you ready to improve your risk management performance?

sphera.com/contact-us