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EPSC SafetyCongress.eu

Third European Conference on Plant and Process Safety

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Realizing a Global Risk Solution Tool

Visit Sphera at Exhibit Booth 14

SPEAKER

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SPEAKER

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Safety Management Expert,
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Realizing a global risk solution tool

Sphera ARA Project Introduction

"To enable best in class process safety performance"

11-12-2023

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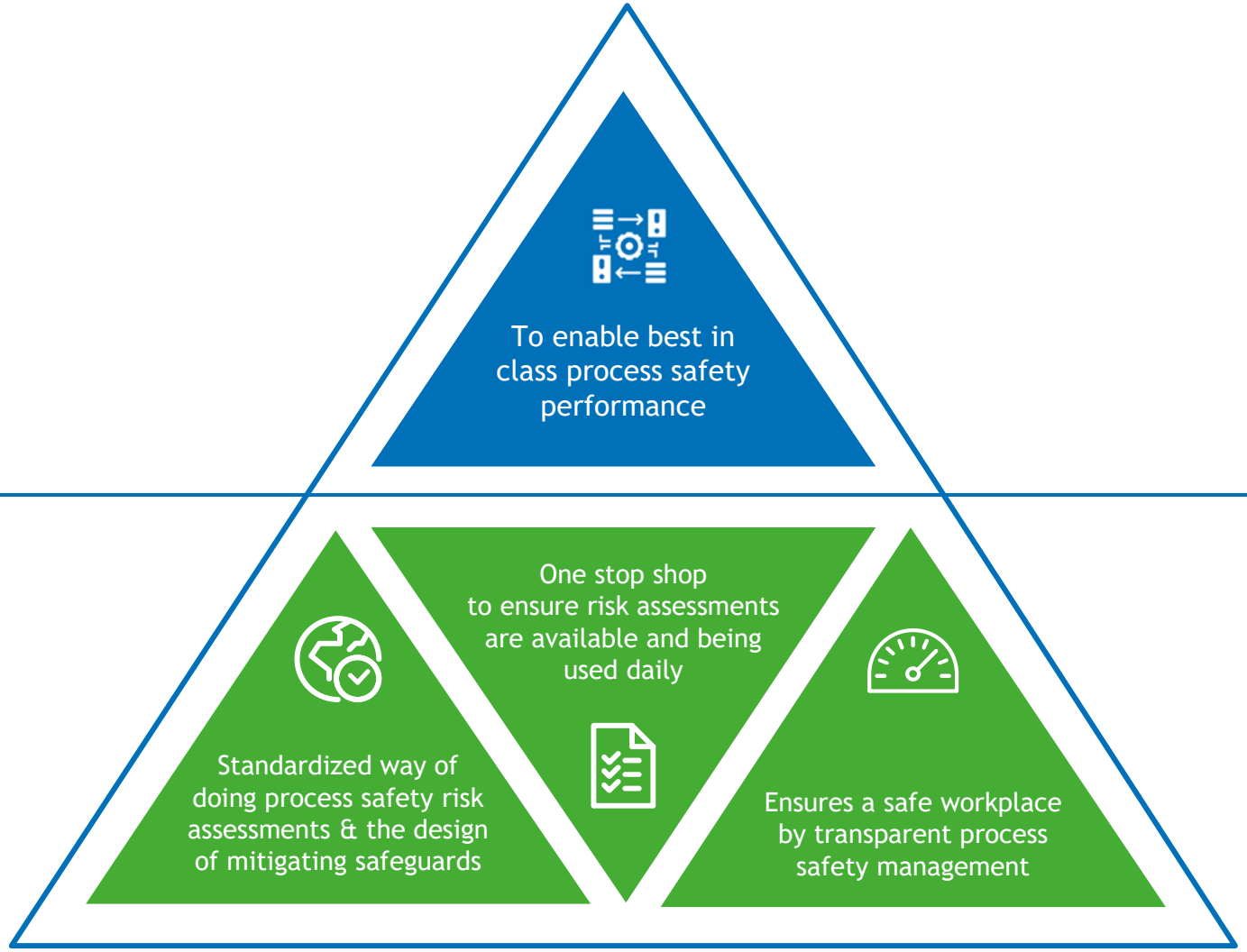
Sphera ARA Vision and Missions

North Star / Vision



Missions

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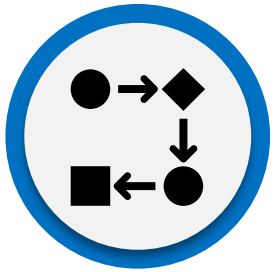
Why

Within legacy DSM many different templates and ways of working for process safety studies and verifications of safety measures exist

RISK ASSESSMENTS
All main process safety risk assessments s are executed, documented and verified in different ways

DIFFERENT TEMPLATES
Many different templates exist across and even within the sites

Safeguards
Documentation and verification of Safety Provisions are executed and documented in different ways



NO STRUCTURED WORKFOLW
There is no structured guided workflow supporting the process and data transfer between different process safety studies

Same view on all related topics
Creating an overview on the status of process safety study related aspects within different parts of the organization is not standardized, leading to a biased interpretation of our process safety status

OLD PS TOOL
For design and verification of safety provisions 16 sites use SMAS. SMAS will not be supported anymore in near future and must be replaced

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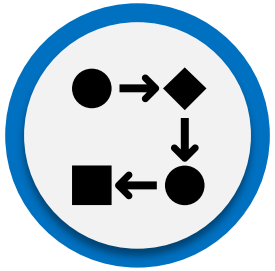
What

With Sphera a standardized way of working and reporting for process safety studies is achieved

ONE CENTRALIZED PROCESS SAFETY TOOL
One process safety study tool for:
- Documentation
- Verification
- Validation
- Allocating actions
- Review and approval



Standardized Dashboard
Enabling a standardized dashboarding at the same standards across the entire organization

ONE PLACE FOR EVERYBODY
Ensuring all required information is in one place for everybody from shopfloor up to higher management

SPHERA A CHOSEN TOOL SUPPLIER
Sphera is the leading provider of Environmental, Social and Governance (ESG) performance and risk management software, data and consulting services with a focus on Environment, Health, Safety & Sustainability (EHS&S), Operational Risk Management and Product Stewardship

“To enable best in class process safety performance”

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How

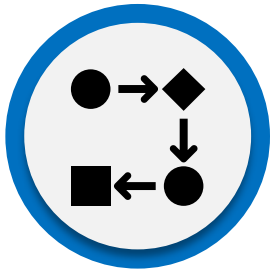
A dedicated project team is built up to roll out Sphera together with sites and regions

One central project team for tool roll-out

- Project management
- Tool development
- Data transfer
- Training

Local site team required for

- Delivering Master Data
- Training
- Implementation in site processes
- Acceptance transferred documents



Execution comprises

- Fully defined templates
- Transferring cleaned up historical data into the new system
- Training of all involved in workflows of the process safety tool (shift team lead / study executors / plant manager / department heads / …. / Site managers)

A differentiated approach is taken for 2 different operational groups

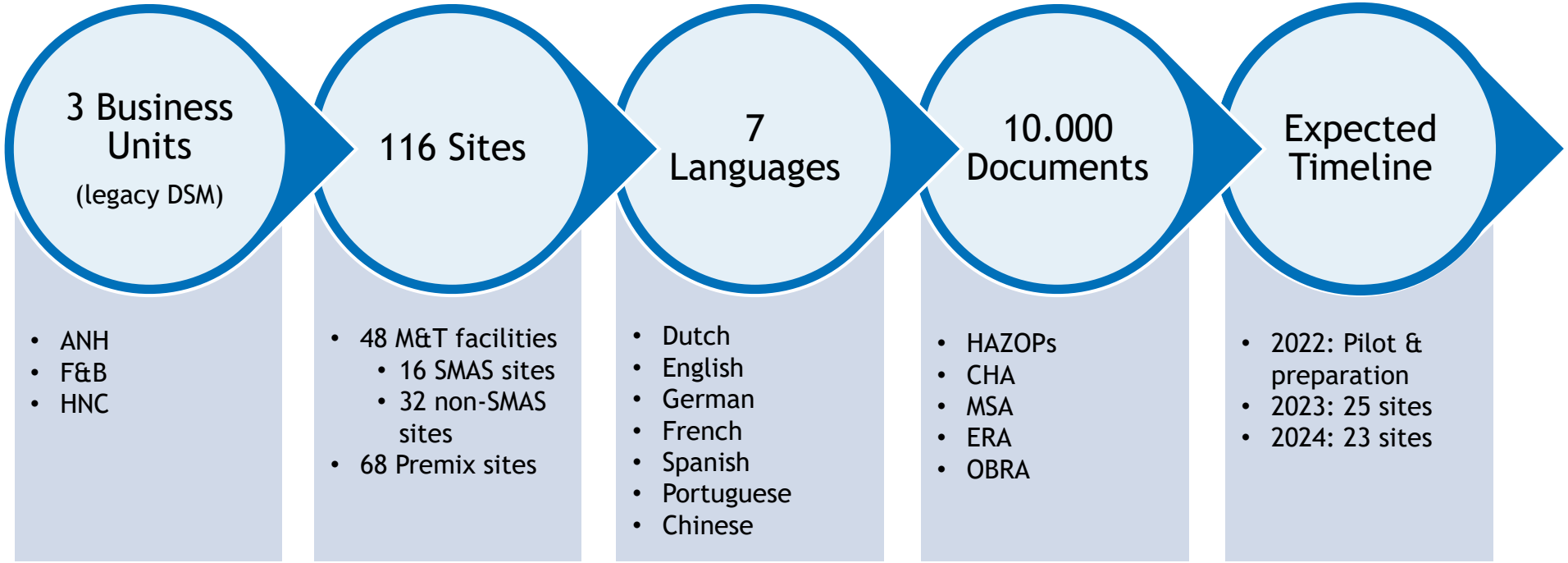
- Premix operations
- M&T sites

Before full DSM roll-out a pilot has been performed

- M&T ANH Sisseln
- ANH Premix Operations EMEA
- M&T HNC Freeport

Scope

Overview of roll-out complexity



Working Towards a Solution

Importance of Alignment in Early Stages

- Understanding underlying business needs and processes (not software features) of DSM first was critical to the project
- Working towards being a solution partner vs being ‘just’ a software provider.
- Open, transparent communication, feedback as well as hands on ‘risk template’ mockups helped keep the project consistently focused on the key goals and end user needs.

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Configuration vs Customization: the Cloud balancing act

Working with a world class company like dsm-firmenich brings a lot of benefit to a PSM project of this sort.

+ Mature, well documented global Process Safety Management workflow
+ Well trained and engaged PSM teams following the established workflow
+ Many subject matter experts

For a software provider, there is a balance between configuring the software solution to the process (easy and proper) vs. ‘customizing’ specific code tools in the short term.

There is a balance between the short-term items against software development roadmap. Vendors want to meet as much as possible, but it is not always feasible.

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Close Collaboration Benefits: Solution Maturation

- Sphera's advanced risk solution has been available in different software formats since 1996, and has been consistently further developed since then to the present day – but we know we still have a lot to learn and more to develop in the future.
- Close collaboration for a solution (not just software features), coupled with software development leads to a much more mature solution set.
- Established annual European Sphera Advanced Risk Assessment (ARA) User group meeting

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Questions?

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