

Don't Waste That Data: Practical Ways to Model Risk and Improve Frontline Decision-Making



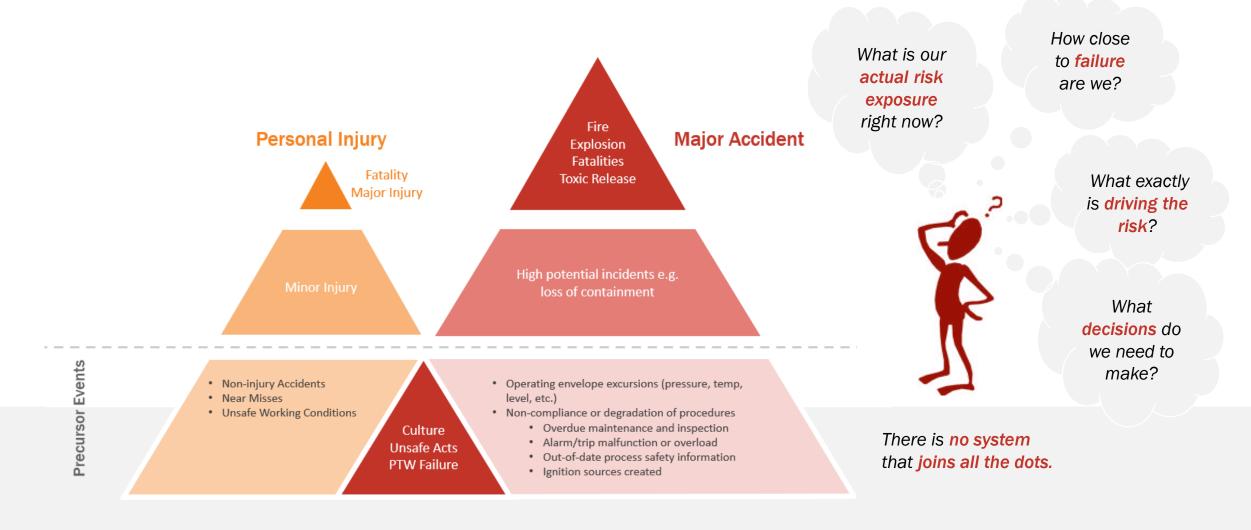


## Your Assets Are Constantly Evolving and Under Stress





## **Can PSM Managers Be Confident That Their Assets Are Safe?**





## Case Study 1: Would Better Visibility of Hazards Helped Avoid a BLEVE

Safety interlocks were in Bypass Mode

SCE not monitored over an extended period

No clear oversight of PRV status

#### 29 people heavily injured

Heavy financial and reputational loss







### Case Study 2: Would a Better System Have Alerted the Failure of Sensors

Failure of H<sub>2</sub>S detection and alarm system

Improper process for LOTO

Multiple failures in PSM systems

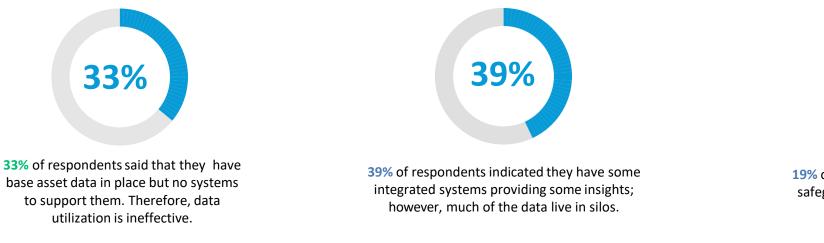
2 fatalities

Reputational damage for company





## **PSM Managers face a constant operations vs data challenge**



**19%** of respondents said that the critical safeguards are monitored in real time.

19%



**32%** of respondents have an integrated digital solution to collect, manage and report data.



A staggering 84% not of respondents do not use integrated solutions and predictive algorithms to manage real-time risk identification and management, this demonstrates why organizations are lagging in their safety performance.



## The Solution

### A solution that delivers a view of the operational reality by extracting, translating and aggregating the data from sensors, systems and human activity



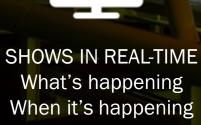
Common currency for disparate data



Unlocks meaningful relationships, previously unseen



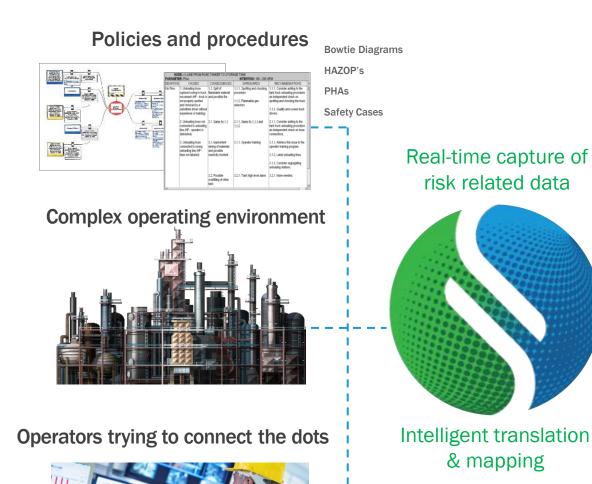
Provides a realistic view of the operational reality



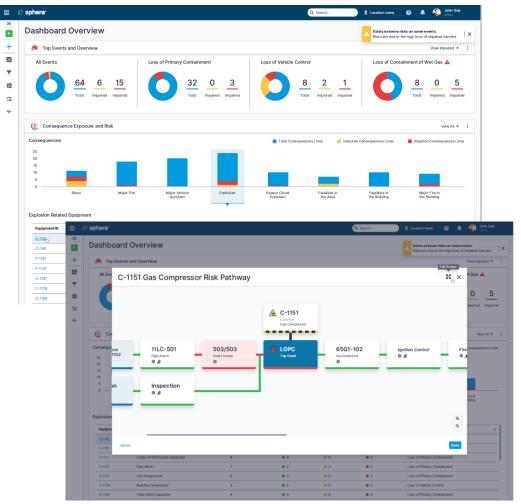
What's happening When it's happening Where it's happening What's driving the risk Integrated workflows to ensure safe & efficient execution



## **Dynamic Risk Pathways helping Frontline decision making**



#### Real Time View of Safeguarding Barrier Status



Emerging Risk Pathways allow for early intervention

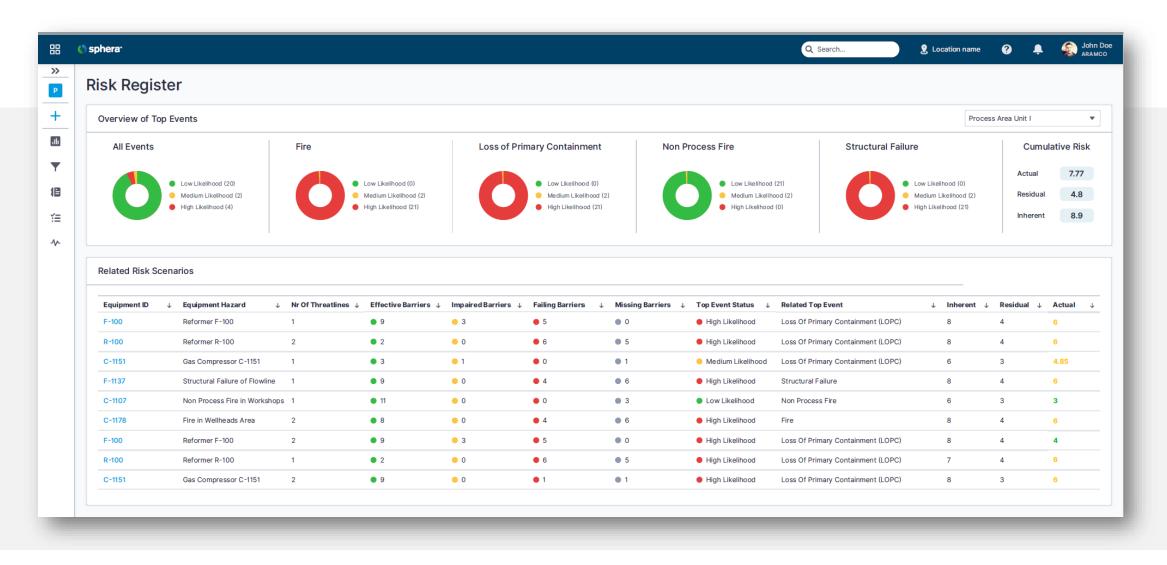


## **A Real Time View of Your PSM Factors**



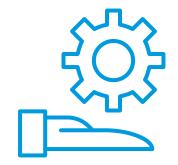


## **Know Which Events Your Assets Are Exposed To**

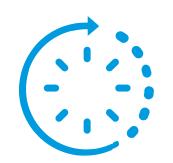




## Use your data to enable Dynamic Risk Pathways



Improve operational decision making with early intervention based on Risk



Better compliance to regulators and other stakeholders



Better visibility of operational risk across organization improving technical and personal safety



Optimized allocation of funds for prioritized maintenance and assurance



# Questions? Let's Stay Connected!



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