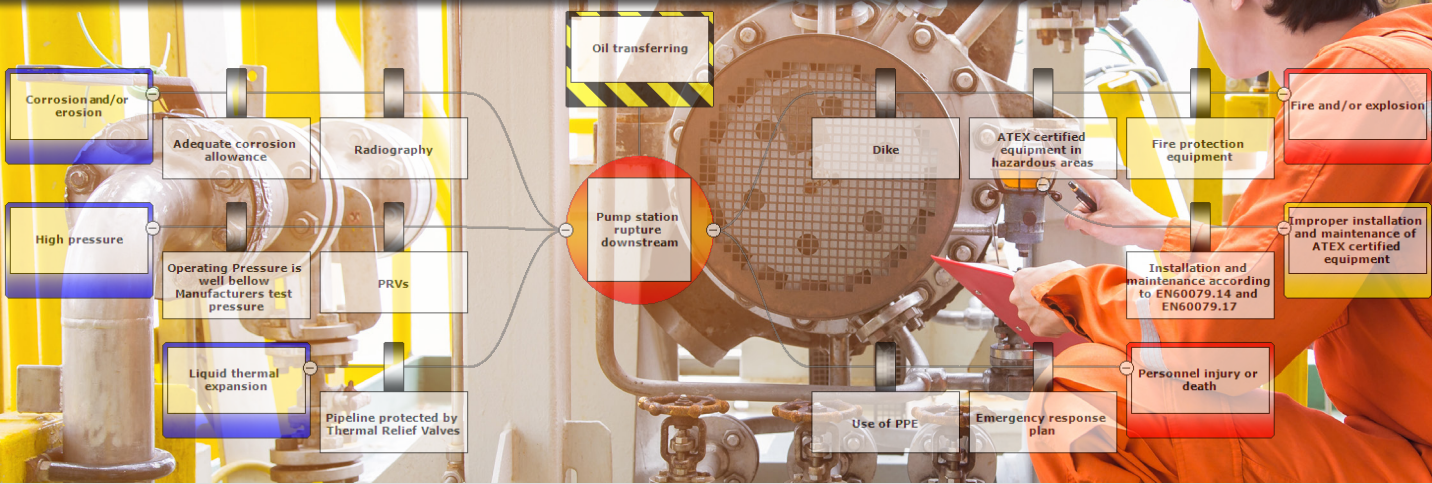


PROACT with Bow Ties



Bowtie diagrams are not just another risk assessment method. They are powerful tools for barrier based risk management. By identifying hazards, top events, threats, consequences and barriers and arranging them in their designated places in the diagrams a visual summary is created that demonstrates causal relationships in high risk scenarios.

ProAct's engineers have conducted numerous Bowtie sessions in different industry sectors helping companies worldwide visualize risks, identify, analyze and assess barriers and communicate them throughout the organization. Each diagram is prepared incorporating the level of detail required by the company such as risk assessment results, elements of the safety management system, barrier rating in terms of effectiveness, complexity, etc. using the BowTieXP software by CGE Risk Management Solutions.

Why Bow Ties?

- Communicate hazards and key risk controls to all level workforce in order to **facilitate understanding** of their role in risk management
- Identify **safety critical equipment** and implement a risk-based preventive maintenance plan
- Identify **safety critical tasks** and develop focused training
- Determine revision requirements of the **safety management system**
- Perform **risk-based safety audits** to monitor barrier performance
- Quantify Bow Ties to obtain a diagrammatic and comprehensible **LOPA** study

PROACT

with Bow Ties



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