

Presight® Barrier Monitor™ - Risk management in one view

Presight® Barrier Monitor™ is the industry leading digital decision support tool right at the heart of managing your Major Accident Hazards. It dynamically monitors, forecasts, and visualises your safety critical barriers based on real-time data across existing business systems in one view.

Companies that conduct business in high-risk environments with exposure to major accident potential, use the Presight® Barrier Monitor™ to oversee the quality and status of the technical, operational and organisational barrier functions that safeguard secure, prudent and efficient operations.

Presight® Barrier Monitor™ is an important decision support tool in planning of operations and maintenance. It empowers better preparedness, higher efficiency, and informed decisions by showing the future dynamic changes. This reduces unforeseen interruptions of operations and down-time.

Presight® Barrier Monitor™ supports the fulfilment of:

- Management Regulations §§ 4 and 5 for Risk and Barrier Management
- The international standard for Risk Management - ISO 31000

In other words, the solution helps you answer the question; **“Who does what with which equipment?”**



Illustration 1: The illustration shows the bowtie methodology that the solution is based on.

Presight® Barrier Monitor™ continuously monitors and forecasts the status and robustness of technical, operational and organisational safety barriers. Users are enabled to restore degraded barriers to prevent and mitigate undesired events at an early stage before escalating to a major accident. This will prevent harm to people, the environment, asset damage, financial losses and operational down-time.

The goal is to maintain the barrier functions in an integrated and consistent manner to minimize and control risk.

Presight® Barrier Monitor™ automatically gathers information from different systems and presents it in an intuitive user interface. Data is captured from design documentation such as barrier strategies, performance standards and resulting bowties. In addition, data is automatically and directly retrieved via a data lake or directly from source system such as maintenance, HR, deviation, control of works, permit to work, and others.

Presight® Safety Culture Monitor™ – The role of human factors

To further strengthen the knowledge base for your operational risk picture, Human Factor data from Presight® Safety Culture Monitor™ can seamlessly be integrated into Presight® Barrier Monitor™ as an extra data source: See separate fact sheet on Presight® Safety Culture Monitor™.