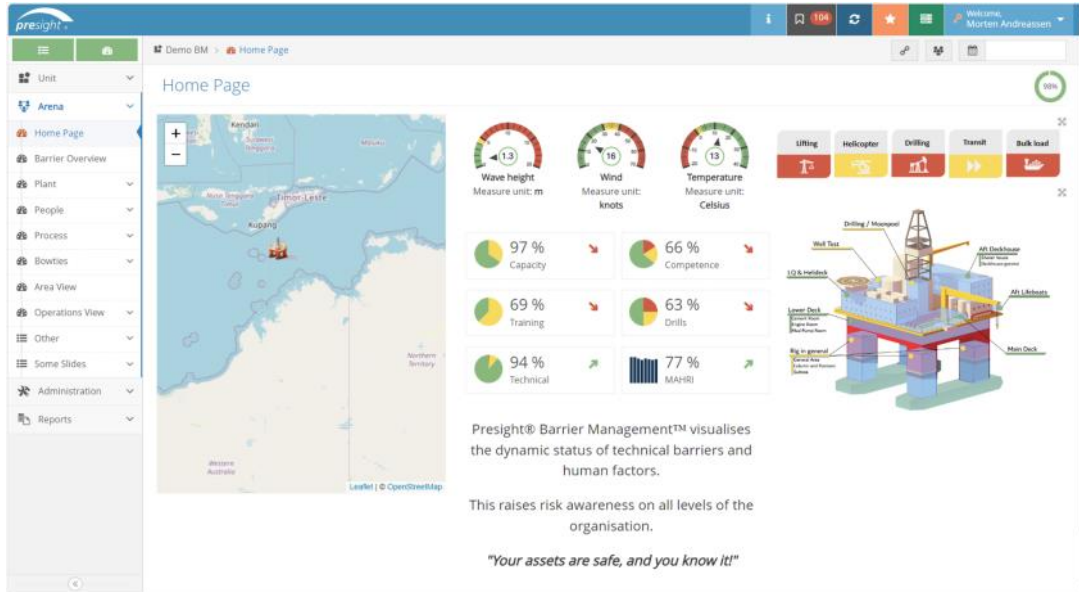


Safety Barrier Management is a critical element in Process Safety for High Risk/High Complexity industries.

For decisional support, Presight® Barrier Management™ ties together data across your systems which say something about the health condition of safety critical barriers and the dynamic risk exposures to your operations in a Major Accident perspective.



Illustrations showing a homepage dashboard and the bowtie methodology which is incorporated in the solution.

Presight Solution's advantages:

- Proximity to North Sea oil & gas industry
- Highly flexible and configurable technology
- Reduced human effort

- Single source of truth for data from different source systems
- 20+ years experience combining subject matter expertise with cutting edge technology
- SaaS or On-premise

Clients:



Scan to book a demo with us

A holistic risk perspective on Major Accident Events

Features

Benefits

Real-time and Near real-time insight

- Dynamic visuals
- Real-time data
- Critical barriers in one view

Human factors integrated with technical elements

- Comprehensive, holistic view of MAE exposures

Historical data as well as future trends

- Predictive and Proactive approach
- Condition analyses and insights

Drill-down to the source

- Allows for decision making on Safety Critical Elements (SECE)
- "Override" on barrier status during deviations

Timely and automated notifications

- Proactive decisions made based on automatic notifications

Different perspectives

- Major Accident perspective
- Area perspective
- Compliance perspective
- ... more

User specific dashboards

- Right **information** available to the right **people** for the right **purpose**

Built-in templates

- Easy and cost-efficient changes and implementation

User log and Quality Assurance

- Full traceability of changes
- Accurate and assured reports

Use Cases

1



Decision Support

- Operational Planning
- Prioritize Maintenance
- Prioritize compliance/barrier tests
- Permit to Work
- Plan OJT and Emergency Drills
- Crew Management and Emergency Teams

2



Information / Communication

- Risk awareness communication and training
- Platform management meetings
- Platform status meetings with shore
- Shift handover
- Daily planning and coordination
- Rig Selection and Rig Intake process
- Stakeholders, Customer / Partner dashboards

Supports the fulfilment of:

ISO 31000 – International standard for Risk Management

CCPS/EI – Standardisation of Bow Tie Methodology and Terminology

NORSOK Z-013 – Risk and emergency preparedness assessment

Norwegian Petroleum Safety Authority – Management Regulations §§ 4 - 5 Risk and Barrier Management

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™.