



# RiskWISE™

**Risk-based inspection (RBI) and risk-based management (RBM) are integrity management practices that are employed to identify plant and equipment at risk of failure, ensuring safety and preventing costly downtimes and unscheduled repairs.**



RiskWISE™ is a powerful web-based application developed to support asset integrity and inspection planning through industry leading risk-based inspection (RBI) methodologies.

Designed to automate the fully quantitative methods and procedures of risk-based inspection (RBI) in process plants, according to API RP 580, API RP 581 and semiquantitative assessment as per industry best practice. It is used to enable facility operators or owners to establish an optimum inspection strategy, devise inspection programmes, and make maintenance decisions.

RiskWISE™ provides a criticality ranking to create a framework for the allocation of inspection and maintenance resources, optimally mitigating risk in a safe and cost effective way.

## Why Choose RiskWISE™

- User friendly RBI approach even with lack of available data
- Covers nearly all asset types found in process plants, refineries, and petrochemical facilities
- Fully aligned with the latest API 581 methodology for PoF and CoF assessment, covering pressure vessels, piping, heat exchangers, and other equipment
- Implements semi quantitative RBI models to simplify RBI approach
- Sensitivity analysis capabilities, ideal for situations where data is unavailable
- Comprehensive inspection mitigation planner
- Reduces downtime and improves safety
- Supports cost-effective plant operation
- Trusted worldwide in oil and gas, petrochemical, and power generation industries
- Flexible licensing models including Individual licensing and SaaS

## Industrial applications

RBI and RBM are accepted practices worldwide and are regularly applied throughout the oil and gas, petrochemical and process plant and power generation industries

**RiskWISE™ has been having over 250 licences in oil and gas and power industry across the world.**

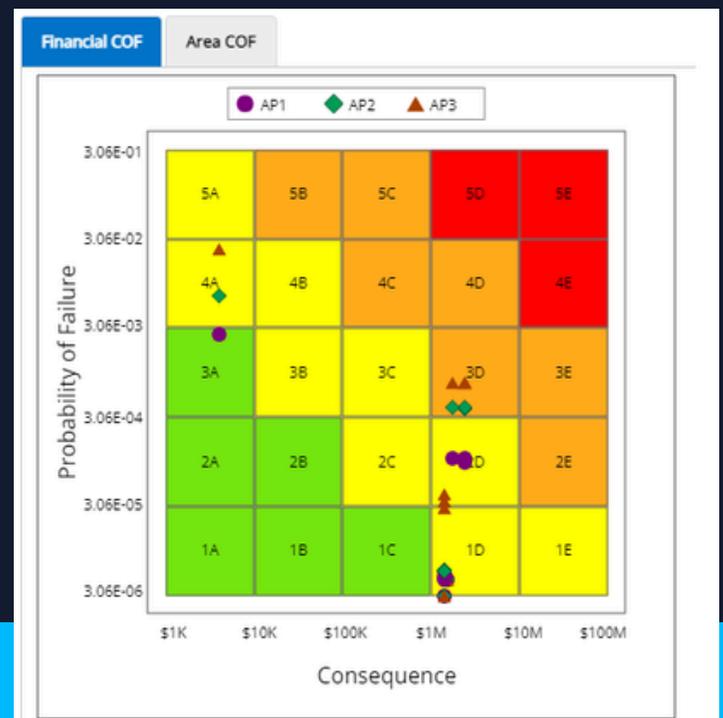


## Training

- Standard training workshop – 3 day course covering the methodology of RBI, and the key elements and implementation of an RBI programme using the RiskWISE™ software
- Customised training course – interactive, on the job training with API and ASME codes using TWI's RBI assessment software

## Key Features & Benefits of RiskWISE™

- Interactive Integrity Dashboards: Identify governing damage mechanisms across equipment and units, helping prioritise inspection focus areas and mitigation actions
- Real-Time Risk and Inspection Overview: Visualise completed and outstanding inspections, along with risk distribution across different units and sites, enabling data-driven decision-making
- Bulk data import and equipment master list management
- Automatic damage mechanism screening
- Auto-generation of inspection plans based on different identified scenarios
- Customisable engineering units
- Flexible integration with TWI's AI-based corrosion prediction model, CorrosionWISE™
- Technical support on an on-going basis
- Fully quantitative RBI model for power plant boilers and heat recovery steam generators
- Customisation and software upgrades if required for specific industry and plant covered by bespoke software modules



## Free software Demo

- Free demonstration software is available for download from [www.twisoftware.com/riskwise](http://www.twisoftware.com/riskwise)
- For further information please contact [riskwise@twi.co.uk](mailto:riskwise@twi.co.uk)