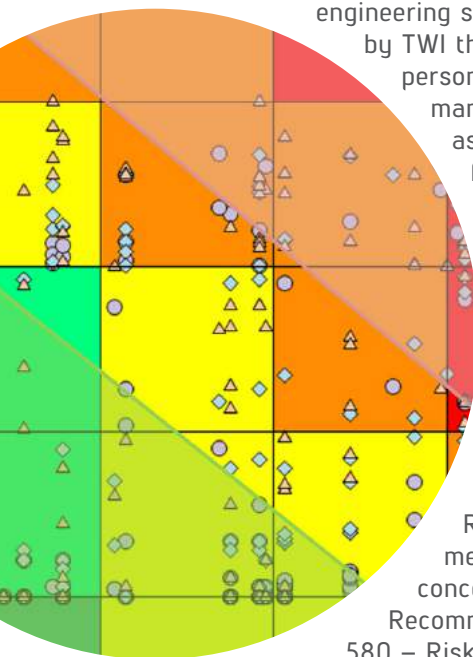




RiskWISE® for process plants

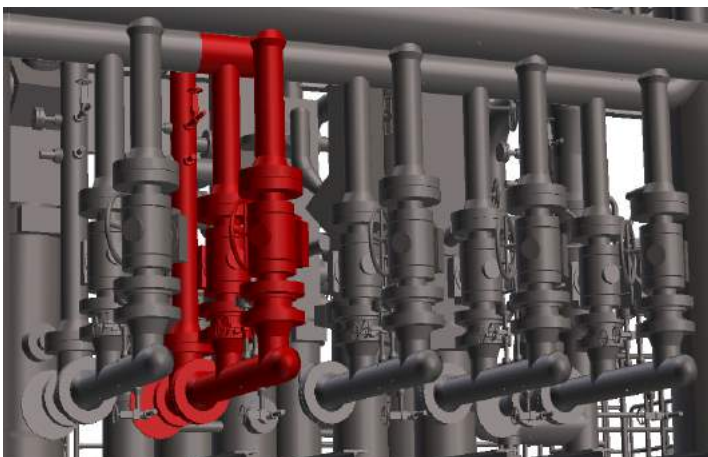
The uptake of formal risk-based inspection (RBI) and risk-based management (RBM) approaches is increasing as the benefits to plant integrity management, through improved targeting and scheduling of inspection and maintenance effort, are being recognised

RiskWISE is a versatile RBI and RBM engineering software developed by TWI that enables plant personnel to confidently manage risk, and associated issues, for the continued safe and economic operation of their plant and equipment. The risk-based approach is in accordance with industry accepted and proven concepts of RBI and RBM, with RiskWISE meeting the audit team concepts detailed in API Recommended Practice (RP) 580 – Risk Based Inspection (RBI) and API RP 581 – Risk Based



Inspection Technology.

RBI and RBM are integrity management practices that are employed to identify plant and equipment at risk of failure. The criticality ranking derived through RiskWISE consequently forms a framework within which inspection and maintenance resources can be allocated to optimally mitigate risk in a safe and cost effective way.



Key features of RiskWISE

- Fully quantitative RBI assessment as per API RP 581:2016
- Semi-quantitative assessment as per industry best practice
- Inspection frequency determined for all types of assessment
- Inspection management through definition of Run Length Interval
- Thickness measurement data import and corrosion growth prediction
- Definition of ISO risk lines/financial risk target for fully quantitative assessments
- Sensitivity analysis capabilities, ideal for situations where data is unavailable
- Customisable reporting capability
- Unlimited number of items at one site
- Hierarchical asset register information
- Possibility of remote hosting
- Comprehensive inspection / mitigation planner
- Automatic damage mechanism screening
- Image and documentation storage



Additional benefits of RiskWISE

- Integration with TWI's IntegriWISE™ software, for fitness-for-service assessments
- 2D/3D laser scanning interactive viewer
- Technical support on an on-going basis
- Material library
- Software upgrades if required for specific industry and plant covered by bespoke software modules
- PRV module : implementation of a pressure relief valves (PRV) module using the procedure recommended by API RP 518:2016

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 now has over 100 licences in the oil and gas and power industries across the world.

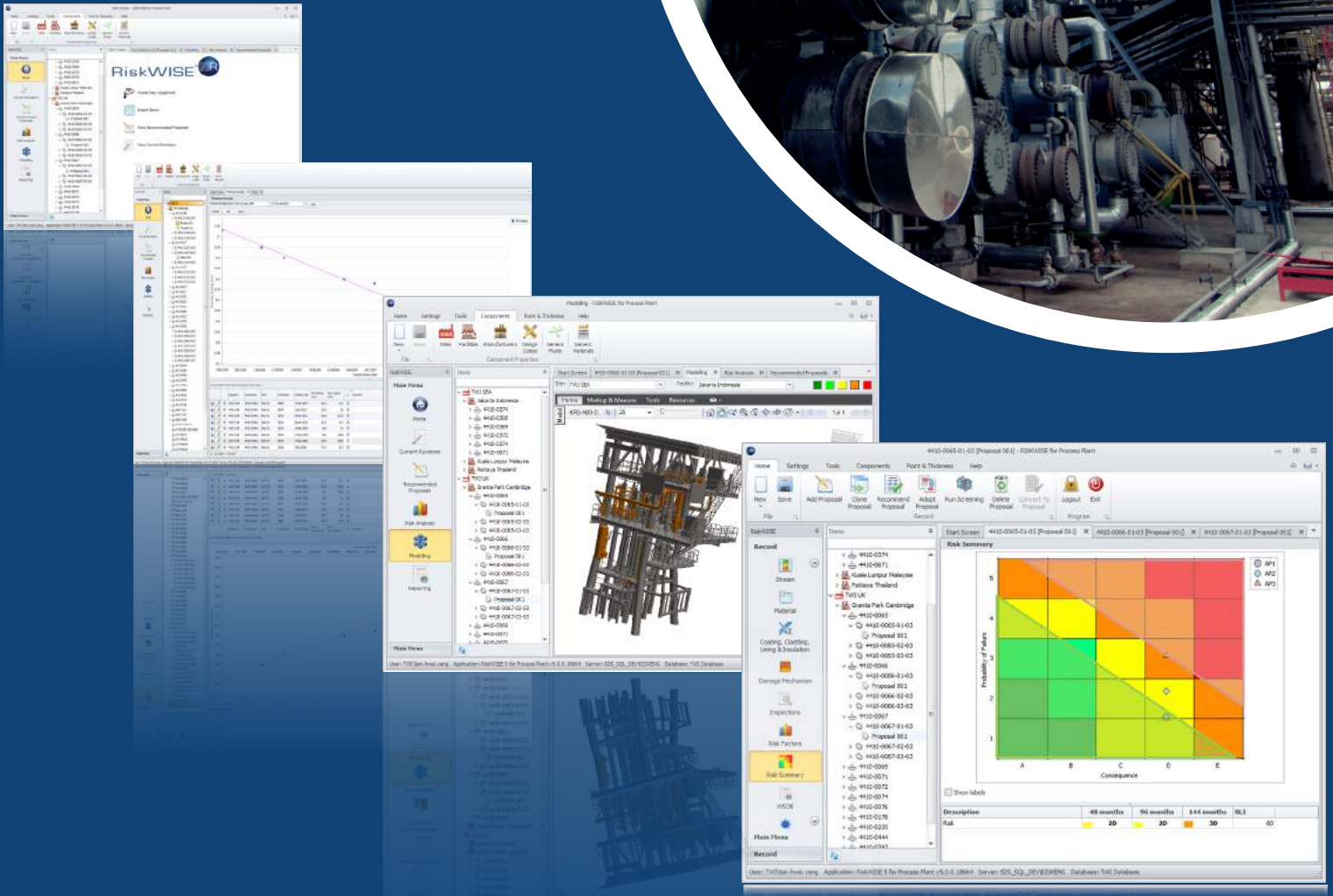
Training

- 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

Free demonstration software

Free demonstration software is available for download from www.twisoft.com/riskwise

For further information please contact riskwise@twi.co.uk



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