PS Asset Integrity Manager® PSAIM™ RBI Module®

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#1 Corrosion Monitoring application for Oil, Gas, and Petrochemical industries

Risk Based Inspection (RBI)

Inspection Data Management System, or IDMS, is the term in the process industry for a program implemented to organize the data of a facility's time or condition based equipment integrity analysis and inspection program. More recently RBI methods are increasingly being used as a standard and preferred approach to develop and execute the assets inspection plans. RBI methods enable plant owner operators to implement an optimized inspection program that is driven by an asset's risk level.

Apart from a structured approach to reduce the risk of leaks, fires, and explosions due to mechanical damage, RBI software provides a framework within which plant owner operators can allocate inspection and maintenance resources to optimally mitigate risk for the continued safe and economic operation of their facilities.

Currently, most operating companies utilize two different software packages for IDMS and RBI functions.

Key benefits of RBI include

- Optimized inspection costs
- Reduced unplanned shutdowns
- Improved asset availability
- Focus resources on most critical risks

PSAIM RBI Module

PSAIM incorporates over 30 years of expertise and is the solution of choice to efficiently and effectively manage your critical equipment. The PSAIM RBI Module leverages over 15 years of active RBI software development into PSAIM to provide a unique solution that integrates time, condition, and risk-based inspection planning and scheduling into one software program.

PSAIM RBI Module Key Features

- RBI approach in accordance with industry best practices and API Recommended Practice (RP) 580 – Risk Based Inspection (RBI) and API RP 581:2016 – Risk Based Inspection Technology
- Automatic damage mechanism screening and damage factor calculations
- Inspection management through Run Length Interval (RLI) which determines when to inspect each equipment and component
- Sensitivity analysis capabilities, ideal for situations where data is unavailable
- Inspection date, type and effectiveness, mitigation options and recommendations (inspect, repair, replace) defined for each equipment and component

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Siemens Energy
Process & Safety Consulting
USA Headquarters
15375 Memorial Drive
Houston, TX 77079

Asia Pacific: Singapore
Canada
Europe: Belgium
CEE: Romania
United Arab Emirates: Abu Dhabi

1 (800) 658-8809
+1 (713) 570-2900
info.ogconsulting.energy@siemens-energy.com

Siemens Customer Software Support Portal
siemens.force.com/cep