cenosco

IMS PEI

Inspection Data Management. Never miss an inspection again.

IMS PEI helps you manage equipment integrity, by defining when and what to inspect or repair using the choice of RBI methodologies (exclusive sRBI or the API 581 RBI) and advanced corrosion calculations while keeping an audit trail.

When an inspection is completed, the data will be used to automatically update your calculations and define the Next Inspection Date (NID).

With IMS PEI you can...

- Run risk-based inspections using specific modeling for Tanks, Relief Devices, and Civil equipment.
- Use our CUI Prioritisation Calculator.
- Create statistical analysis and plotting through bulk data imports.
- Get access to our continuous innovation, for example, schedule optimization using 3D and 2D visualization.
- Optimize your inspection intervals by considering all drivers (legal, risk, TA, WT reading, user).
- Define the best inspection techniques for each location of your equipment.
- Use offline on a mobile device to record inspections out in the field.

The Benefits

Reduce your risk of failure and achieve optimal availability. Identify critical areas, bad actors, and high risk equipment.

- Get a grip on your integrity status.
- Upgrade from time-based to risk-based inspection.
- Your maintenance strategy will be in the sweet spot of cost & time efficiency while keeping your equipment in check and your team safe.
- Thanks to our data import capabilities, our implementation can be done swiftly.
- IMS PEI interfaces to SAP, Maximo, and others.

Cenosco provides all the appropriate training and consultancy.

Get in touch to request a full demo of IMS PEI

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FACTSHEET

IMS PEI: Pressure Equipment Integrity

Areas of application

Refineries • Terminals • Tank farms • Process plants • Process facilities • Pulp mills • Pipelines • Wells • Power Plants • Manufacturing Plant

Types of Equipment

Pressure Equipment • Tanks • Flanges • Relief Devices • Civil Structures

Compliance and Certification

RBI Methodology • API Recommended Practices (580, 581, 571, 579 etc.) • Auditable Events
ISO 9001 • Microsoft Gold Partner • SAP Compatible

Tools and Submodules Risk Based Inspection (RBI)

Risked Based Inspection (RBI), incl Tank & PRV • Inspection Data Management System (IDMS) • Degradation Management Framework (CMF) • Wall thickness reading • Advanced corrosion calculations • Bulk data analysis • Inspection Interval optimization • Integrity Operating Windows (IOW) • Corrosion Control Documents (CCD) • Corrosion Prediction Models (CPM) for Aqueous Corrosion and Stress Corrosion (Amine SCC, Carbonate SCC, Caustic SCC, Chloride SCC, CUI, External Chloride SCC, HIC-SOHIC SCC, Soil Corrosion, Sulfide SC, Tank Floor Corrosion) • CUI Consequence Assessment (CCAM) • Cathodic protection Survey • Liquid Release Calculators • Sensitivity Analysis • Scheduling • History recording

Interfaces

Interface to any CMMS system (e.g. SAP, JDE, Maximo) for Hierarchy, Work Orders, Schedules and Inspection Results • Interface with AutoCAD

Training

4-day Tool Training, 3-day RBI Training

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