PROtect℠

for a safe, reliable, & compliant tomorrow

SHIELD SOFTWARE

Our SHIELD software is a fast, efficient, flexible and highly configurable tool for Asset Integrity Management. It includes three different modules that share data, but may be used and licensed separately.

- **SHIELD-RBI**: Create, manage, and evergreen your Risk Based Inspections (RBI) programs
- **SHIELD-IDMS:** Manage and track inspection programs and data (including Corrosion Monitoring)
- **SHIELD-CHEMTRACK:** Monitor, trend, and manage contaminant levels in your chemicals and products

SHIELD

TAKE CONTROL OF YOUR DATA

- TRUE ANAYLTICS
- TANGIBLE RESULTS
- RETURN ON INVESTMENT
- REGULATORY COMPLIANCE

LOCATIONS NATIONWIDE

For a **SAFE, RELIABLE, & COMPLIANT** TOMORROW

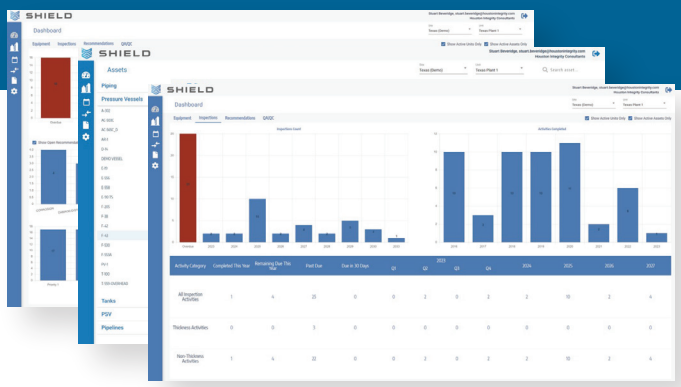
SHIELD-IDMS

SHIELD-INSPECTION DATA MANAGEMENT SYSTEM is a streamlined and efficient system designed for the management of inspection data. Its versatile applications span various process equipment and units:

Piping & Pipelines | *Pressure Vessels* | *Heat Exchangers* | *Atmospheric Storage Tanks* | *Relief Valves*

FEATURES FOR EFFECTIVE DATA HANDLING

- **Effortless Implementation:** Simple data structure with properties and calculated values minimizes manual data entry
- **User Access Control:** Regulate read/write permissions with user access levels for enhanced security
- **Comprehensive Inspection Rules:** Built-in API 510, API 570, and API 653 fixed interval inspection rules, with automated assignment based on asset properties
- **Asset Analysis and Tracking:** Calculate asset minimum thicknesses and track CML corrosion rates, remaining life, and retirement dates for individual components and assets
- **Custom Inspection Programs:** Create and track personalized programs, applying customized inspection rules to assets
- **Efficient Data Handling:** Easily import/export data via Microsoft Excel for quick mass updates
- **Comprehensive Reporting:** Log activities, attach files (reports, photographs, AutoCAD drawings), and record recommendations, action items, responsible persons/departments, target dates, and equipment failure data
- **Intuitive Dashboard:** KPI tracking, quick identification of assets with potential issues, and easy detection of overdue inspections and recommendations
- **Versatile Reporting Formats:** Formatted reports available in PDF, Microsoft Word, and Microsoft Excel



Schedule your live demo today and discover how we can safeguard your assets like never before!

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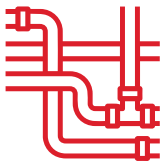
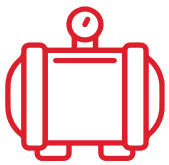
SHIELD-RBI

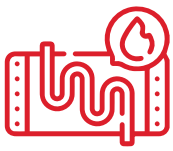
SHIELD-RISK BASED INSPECTION is a cost-effective solution for Risk Based Inspection, demonstrating its practicality across a spectrum of process equipment and units, including but not limited to:



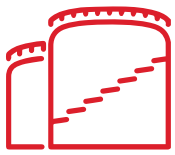
Piping & Pipelines



Pressure Vessels



Heat Exchangers



Atmospheric Storage Tanks

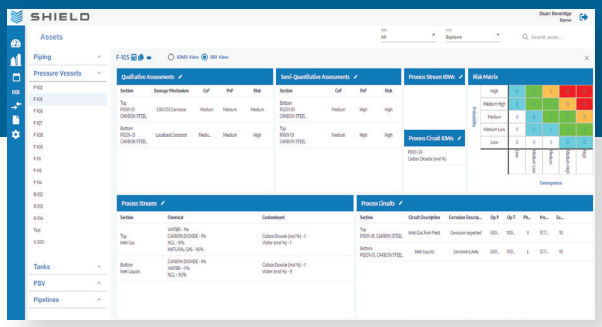
Relief Valves

Designed for easy implementation, SHIELD-RBI utilizes built-in models to calculate consequences and probabilities of failure from standard equipment technical and process data. This minimizes the need for technical specialists and empowers trained technicians and technical assistants.

The system allows seamless updates to the initial risk assessment with inspection data or specialist knowledge. Additionally, SHIELD-RBI features TaskMaster, a module that automatically generates inspection tasks and frequencies based on risk assessment data, ensuring efficiency and consistency in developing inspection and integrity management plans.

OUR COMPETITIVE ADVANTAGE

- Initial implementation requires 30-50% fewer man-hours than API software
- TaskMaster for quick development of inspection plans using standard rules
- Integration of Corrosion Control Documents and Integrity Operating Windows
- Efficient data inheritance between fluids, systems and equipment
- Cost-effective SHIELD licensing compared to other programs
- Seamless integration with SHIELD-IDMS for RBI assessment
- Written procedures for each implementation activity
- Built-in models require minimal expert input



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