

Transforming HRC's Equipment Integrity and Efficiency with IMS PEI

Product: IMS PEI
Sector: Oil & Gas
Subsector: Downstream

THE NEED

Hengyuan Refining Company Berhad (formerly known as Shell Refining Company (Federation of Malaya) Berhad) (HRC) was incorporated in 1960. Operating in Port Dickson, HRC boasts a team of 500 employees comprising our own and direct contract staff excluding contractors and suppliers.

The adoption of IMS PEI has significantly enhanced the organization's ability to streamline equipment integrity and asset management processes. In this business case, we explore the benefits HRC yielded from IMS PEI in three areas:

- Centralization of equipment records
- Improved workflows for inspection and documentation
- Enhanced visibility of integrity metrics

The introduction of IMS PEI has provided enhanced visibility into equipment integrity metrics, enabling the company to measure success and proactively identify areas for improvement. Overall, IMS PEI has played a pivotal role in elevating operational efficiency and empowering data-driven decision-making within the organization.



THE RESULTS

Hengyuan Refining Company had implemented IMS PEI to address these pain points. IMS PEI provided a centralized platform for equipment integrity and asset management, streamlining inspection and documentation workflows.

Centralization of equipment records

Prior to adopting IMS PEI, the organization encountered inefficiencies in managing equipment integrity and asset management processes, primarily stemming from the absence of a centralized system for inspection and documentation. IMS PEI provided a comprehensive, all-in-one platform, streamlining corrosion schedules, inspection processes, and offering easily accessible summaries and dashboards right at the forefront. This centralization has greatly simplified access to critical information and documentation, offering the distinct advantage of accessibility from any location

Improved workflows for inspection and documentation

HRC grappled with less efficient inspection and documentation workflows, often needing manual efforts for information gathering and report generation. IMS PEI streamlined inspection and documentation workflows with the implementation of features such as s-RBI (Risk-Based Inspection) and a comprehensive documentation system, encompassing records, risk assessments, corrosion loops, and IOWs (Integrity Operating Windows). These enhancements have significantly improved workflow efficiency and reduced the reliance on manual processes

Enhanced visibility of integrity metrics

Initially, there was limited visibility into equipment integrity metrics, posing challenges in measuring success and pinpointing areas for improvement. However, the adoption of IMS PEI introduced an array of reports, dashboards, and analytics tools that significantly improved visibility into equipment integrity and inspection progress. This newfound enhanced visibility has empowered the organization to more accurately measure its successes and readily identify areas for improvement, facilitating data-driven decision-making.

One-Stop Shop for all equipment data

IMS PEI significantly improved HRC Malaysia's equipment integrity and asset management processes by offering an efficient and centralized solution for inspection and documentation. This enhancement led to better visibility, reporting capabilities, and streamlined inspection scope management, making it a **one-stop shop for all equipment data**.

Cenosco and the IMS Suite

INTEGRITY MANAGEMENT SYSTEMS

Cenosco is the leading provider of asset integrity management software.

For over 20 years, we have been leading the way in product innovation across asset-heavy industries, including Oil and Gas, and chemical manufacturing. Our IMS Suite of solutions was designed to support users in making smart inspection and maintenance decisions to increase safety, maximize asset availability, and optimize asset management costs.

Meet IMS

IMS is a unified asset integrity management solution suite for all your equipment types and processes. The range of IMS products can be deployed individually or together, and each component complements the others seamlessly.



IMS PEI

Pressure Equipment Integrity

Manage equipment integrity using RBI methodology and advanced corrosion calculations.



IMS RCM

Reliability Centered Maintenance

Optimize preventive maintenance plans based on risk and take advantage of our library of maintenance strategy templates.



IMS SIS

Safety Instrumented Systems

The perfect solution for your end-to-end Safety Life Cycle analysis.



IMS FCM

Flange Connection Management

Manage critical flanges with a strict guided maintenance protocol.



IMS PLSS

Pipeline and Subsea Systems

Manage pipeline and subsea system integrity, performing In-Line Inspections (ILI) and Fit-For Service (FFS) calculations.



IMS CIVIL

Manage Civil Structures

Manage equipment integrity with RCM and RBI methods adapted for civil degradation dynamics.

[Learn More](#)



Why IMS?

The IMS Suite of solutions was designed to support users in making smart inspection and maintenance decisions to increase safety, maximize asset availability, and optimize asset management costs. Our domain expertise goes deep into the assets, and with our fully integrated software, you can centralize your maintenance and inspection efforts.

- ✓ Keep your people safe
- ✓ Gain control over your assets
- ✓ Manage your assets with ease
- ✓ Comply with regulations
- ✓ Avoid leaks and other disasters
- ✓ Exclusive Methodologies and Libraries

OUR SOLUTIONS ARE USED GLOBALLY

We're deployed in over 40 countries across the globe.

11,000+

ACTIVE
USERS

200+

DEPLOYED
ASSETS

20+

YEARS OF
EXPERIENCE

Proven Results

- ✓ 20% Inspection cost reduction
- ✓ 30% Turnaround time reduction
- ✓ €100K - € 100M Savings per leak prevented

Trusted by world leaders

