PIMS

INTEGRITY MANAGEMENT



Valve-IMS VIMS™®

WHAT IS VALVE-IMS

Valve-IMS is an online based engineering and integrity management software. It has been designed to service all engineers dealing with valves from the Technicians through to the Asset Managers.

It is inclusive of an integrated function that reduces resource wastage whilst delivers the best service possible at the same time.



Pipeline Integrity Management Solution

Burnside Business Centre,

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BENEFITS

- Quantitative and qualitative risk assessment
- Failure mode analysis and review
- Independent valve integrity assessment including failure cause review
- Savings on man hours
- Significant savings on lost revenue from unplanned SD
- Live monitoring and failure mode feed
- Quality control and assurance on valves
- Reduction in the occurrence of serious incidents
- Continuous valve integrity monitoring

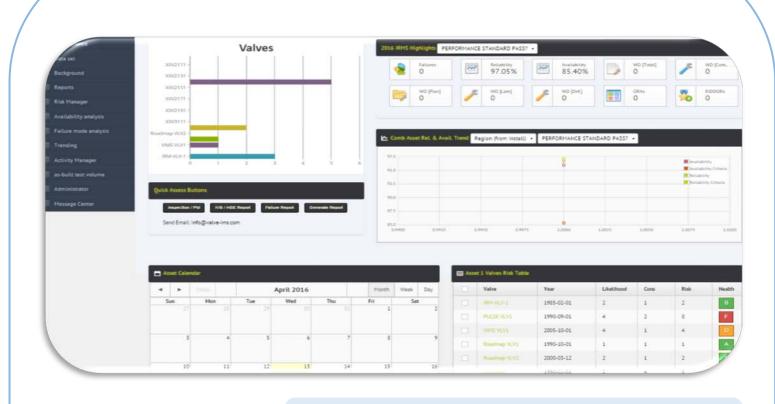
Benefits of Valve-IMS

Valve-IMS provides a unique interface for companies to manage their valves and also the operational activities being carried out.

It allows for collaborative review of performance and execution of root cause analysis (RCA).

Valve-IMS supports multi-company management, 3rd party reviews, auditing, continuous monitoring and live scan / diagnostics. It provides more than the basic fundamentals required to increase operational efficiency.

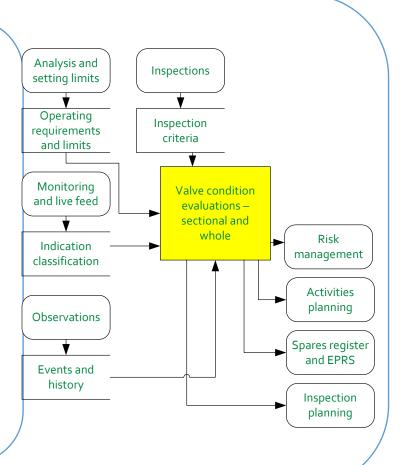


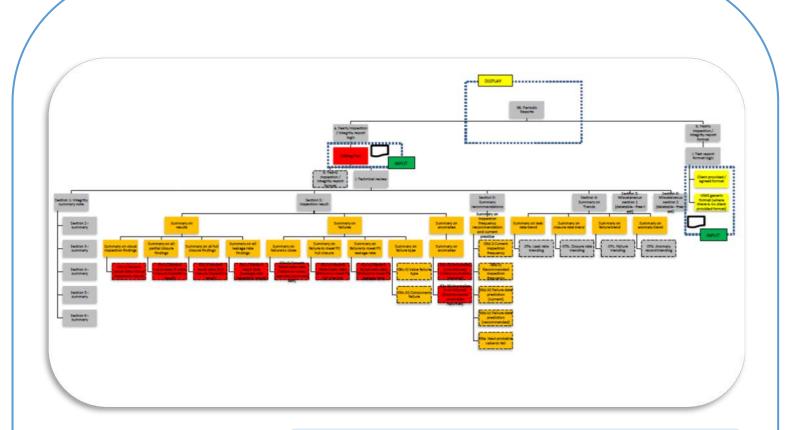


FUNCTIONAL PROCESS

The software is built to integrate the input data from inspections, monitoring devices, observations through a single point whilst categorising them into operating limits, results, indications and events. These elements are then assessed based on several algorithm and conditions up to the individual valve component level.

The result together with engineering judgement is used to influence provide a quick indicator for decision making. This in turn saves personnel time and reduces wastage.





OPERATION EXCELLENCE

Nowadays, companies are expected to operate efficiently, traditional methods of managing assets such as log books, paper based inspection and sign offs, quarterly review or at best monthly review have become widely required operations legally or to meet operational performances, putting pressure on personnel and company revenue. In such a high demand landscape, companies need to run as efficiently as possible – by standardizing and optimizing processes, reducing costs and increasing operations excellence by addressing issues that arise within the assets seamlessly. Valve-IMS has been designed to support the new complex operating environment.

Live feed of data and information

Valve-IMS provides a live feed for both operational data and inspection results. Therefore, removing the delays and wastage experienced by operators from when an event occurs to when the engineer is able to make a decision

User friendly and prescriptive interfaces

Interfaces within Valve-IMS are user friendly, with scanning function available in the hand-held device for use offshore. This means operators can transition from the old methods of executing operation activities with no impact on resources



ONE STOP SHOP

In order to manage an asset, operators are increasingly required to invest in a one stop approach that provides the required efficiencies to support the forever increasing operational and maintenance demands

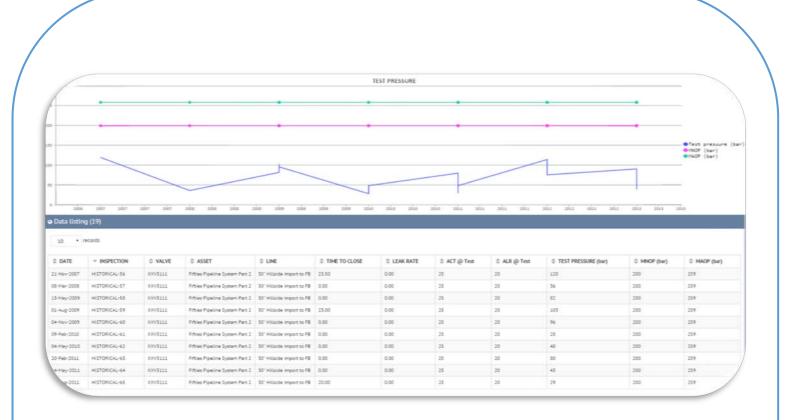
Valve-IMS provides an integrated one stop shop; for designs, engineering, investigation, maintenance, reliability, integrity, operations and failure management on all types of valves. Valve-IMS does not only support client operated valves, it supports valves operated by others, therefore increasing the operator's visibility on their assets

Integrity management

- Visible and easy to interpret leading and lagging indicators
 Effective planning and activity management tool
- Performance standards compliance
- Identifying creeping failures

Maintenance management

- Reduced downtime and intervention
- Common mode failure analysis (from global to local / from valve to individual components)
- Holistic record of all valves on all assets
- Reduction of human error



PROACTIVE APPROACH

Valve-IMS provides operators with a way to be proactive with their assets and budget effectively by dividing tasks in a smart way to save costs. You'll be able. The operator will be able to tailor both maintenance and integrity services to each valve and therefore improve the lifespan and reliability achieved through proactive management.

It's the perfect tool to improve the integration of operational activities, with maintenance and eventually with how integrity decisions are made.



Multi-asset environment

Multiple asset means a complex inventory and requirement for valves. Therefore, operators require the right tools so as not to lose sight of the important matters.



PREDICTING FAILURES

Valve-IMS makes it possible for better predictive and live failure analysis. Therefore, increasing both operational efficiency, reducing operational expenditure and increasing maintenance efficiencies at the same time.

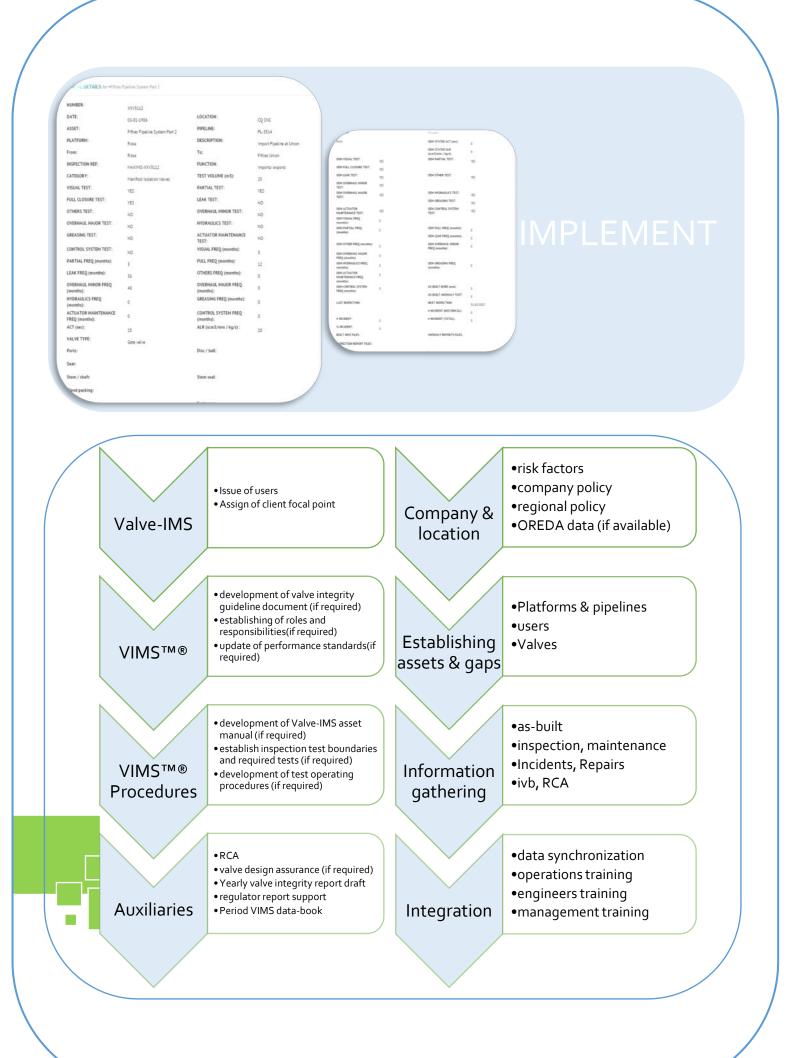
The risk manager provides an insight into the various risks, failure mode analysis and availability analysis allows operators to share knowledge and tools that add direct value to the maintenance and integrity strategies.

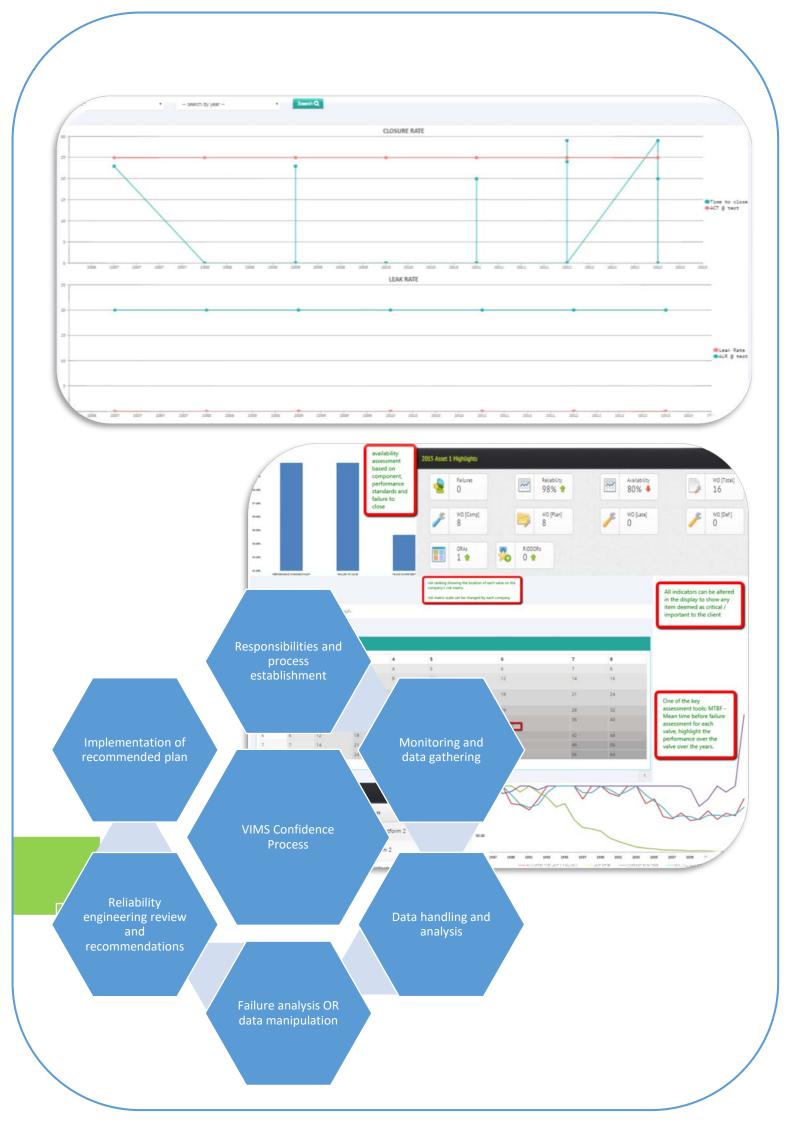
These models provide the opportunity to improve the way we manage valves.

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