



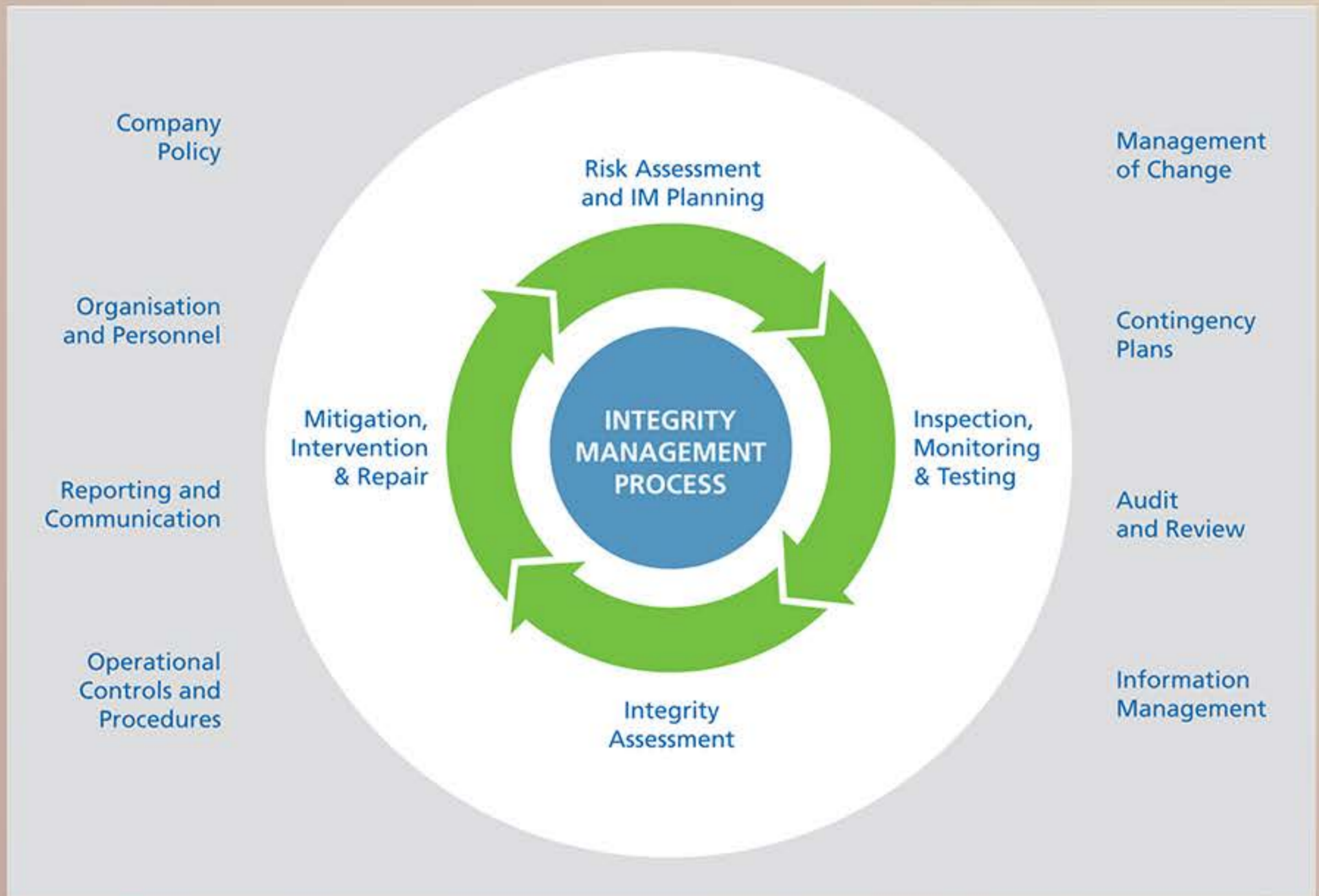
**INTEGRITY**  
SMART SERVICES L.L.C  
الخدمات الذكية المتكاملة ش.م.م.



# What is Pipeline Integrity Management?

A comprehensive Pipeline Integrity Management Program (PIM) provides for the maintenance of safe and reliable oil and gas pipelines through a foundation of inspection, assessment, mitigation and communication. It places a special emphasis on external and internal corrosion, perhaps the most prevalent threats to the pipeline system.

There are many different definitions of Pipeline Integrity Management (PIM), including those listed within API 1160 and ASME B31.8S. As a simple and understood-by-all definition, the following is proposed: “a system to ensure that a pipeline network is safe, reliable, sustainable and optimised.”



**DNV RP-F116 Integrity Management System**

Integrity Smart Services’ approach is multi-faceted, relying on the expertise of a specialized team with extensive experience in addressing integrity issues. ISS’s IMP experts utilize assessment and inspection techniques, coupled with sophisticated tools used to accurately detect and correct pipeline anomalies.

ISS team members follow internationally accredited and accepted pipeline-related standards from ASME, API, DNV and ASTM.

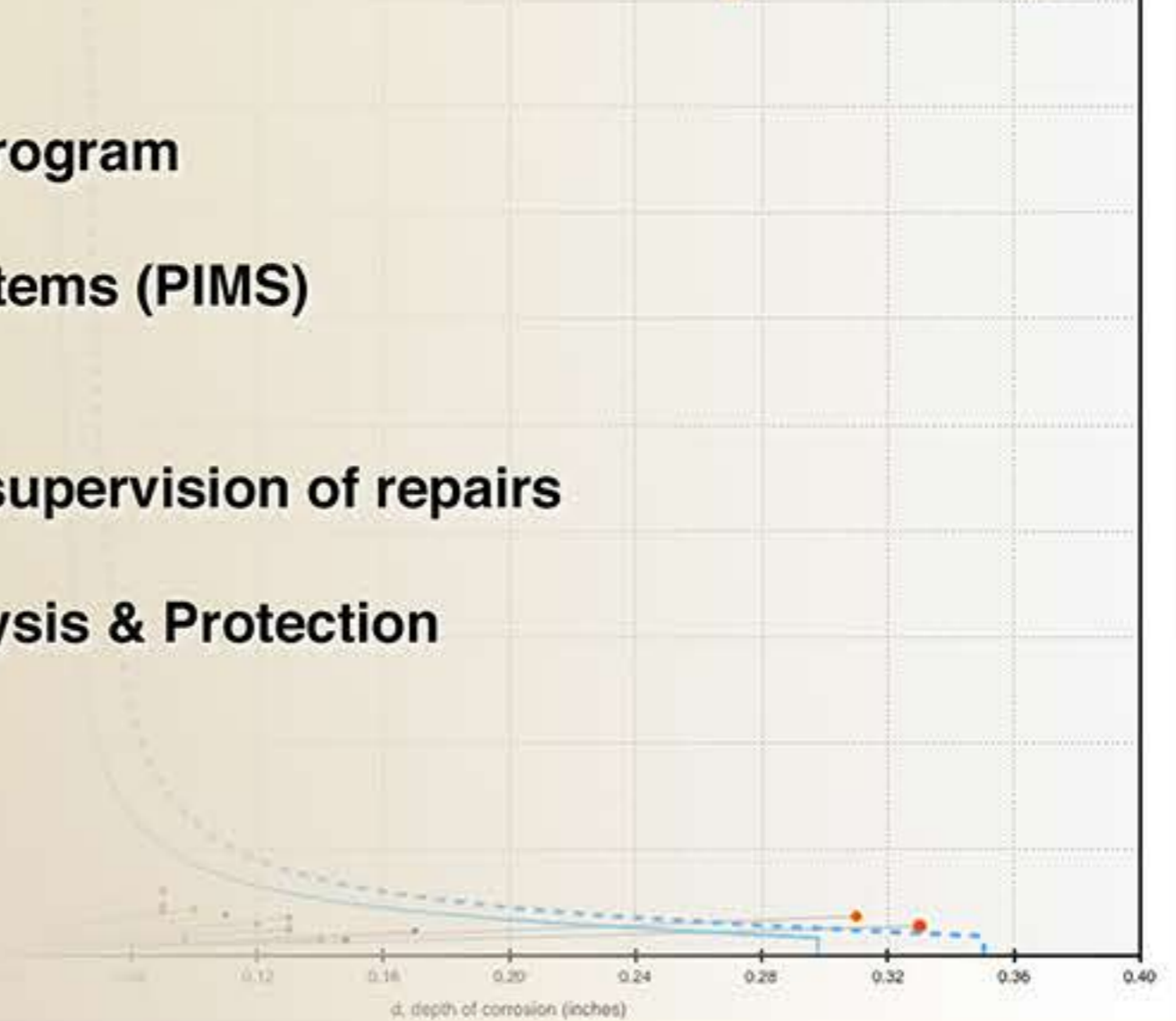


# Services we provide:

ISS provides a range of services with relation to asset integrity management, which can be found summarized below.

- \* Fitness-for-Service (FFS) & Risk Based Assessment
- \* Qualification of ILI vendors (POF & API1163 standards)
- \* Confirmatory Direct Assessment Program
- \* Technical Audits
- \* Pipeline Integrity Management Systems (PIMS) strategy and development
- \* Maintenance and Inspection Plans
- \* Repair technology evaluation and supervision of repairs
- \* ECDA/ ICDA/ SSCDA
- \* Advanced Corrosion Studies, Analysis & Protection
- \* Cathodic Protection Potentials
- \* Detailed Failure/Rupture Analysis
- \* Failure Root Cause Analysis
- \* Data Analysis & Modeling
- \* Training

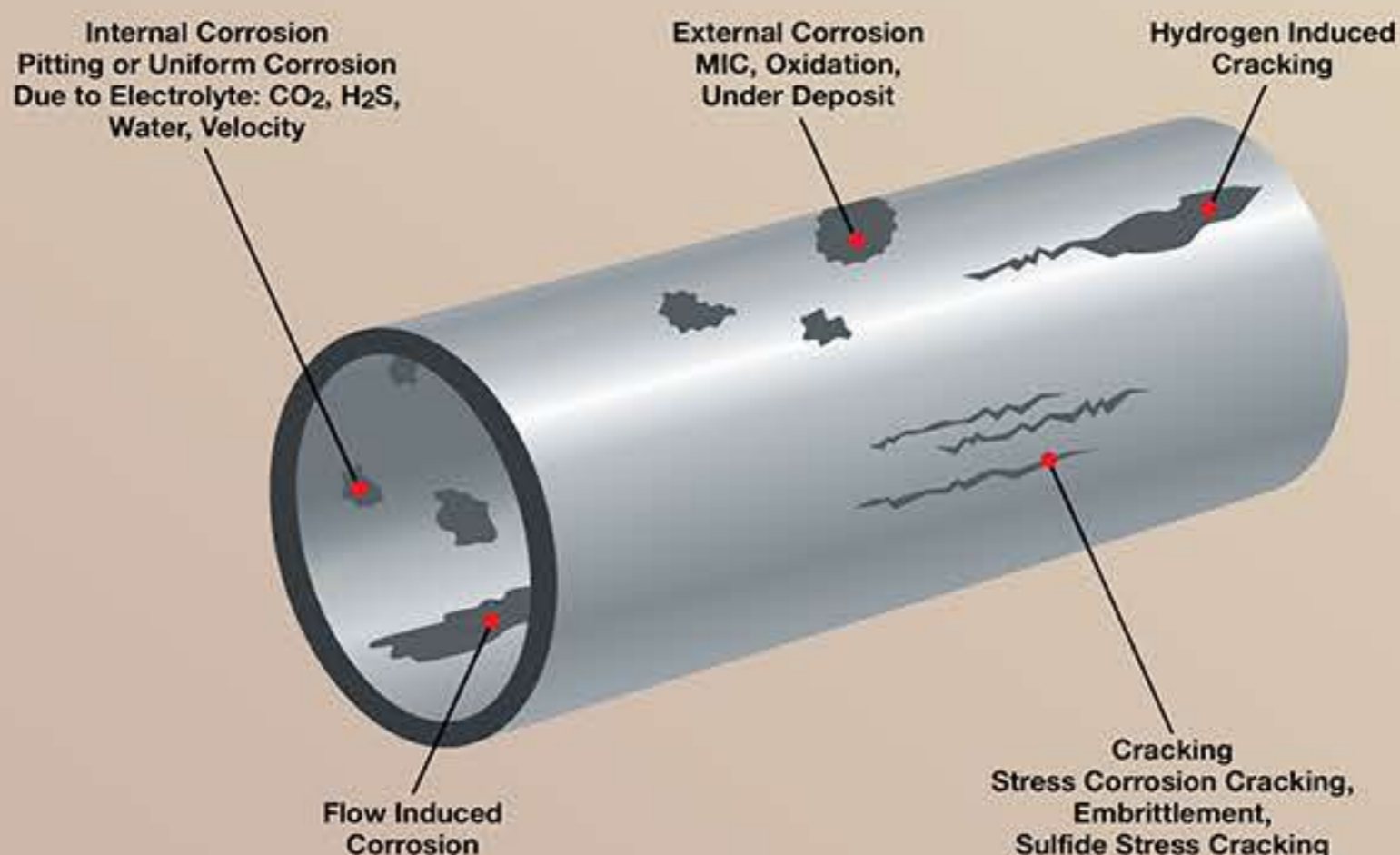
PipeInteg™



Integrity Smart Services' IMP team begins its process by conducting a risk assessment to detail the priorities required in determining the best mitigation techniques.

ISS gathers data and identifies high consequence areas with risk potential. After developing a baseline plan, ISS utilizes highly specialized and proven modeling tools to comprehensively examine potential pipeline anomalies, both externally and internally.

## Corrosion Mechanism in Pipeline





# **Your Integrity. Our Responsibility.**

**Integrity Smart Services has established a reputation for quality engineering design, project management and inspection services.**

**Our focus is serving multiple segments of the GCC oil and gas industry - facilities, flowlines, pipelines, and piping.**

**Our vision, as a fully Omani-owned company, is to be the first point of contact for Asset Integrity in Oman, and our mission is to deliver reliable integrity solutions in order to maximize the economical life of oil and gas assets using internationally recognized assessment practices.**



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