

Case Study Sheet



Sheet Ref: 08Q340

Operating Reliability System Manual Review

Summary:	An illustration of PIMS ability to locate world-class Subject Matter Experts, integrate them within a Project Team and apply the combined expertise, in a structured manner to produce dependable guides that ensure consistent Integrity & Reliability Application
Asset Sector:	Oil & Gas: Pipelines, Process Facilities & Above-ground Storage Tanks
PIMS Service Components:	Strategic Planning, Performance Evaluation; Reliability Methodologies, Risk&RBI Planning; Programme Support, Management Systems & Operational Effectiveness.
Customer:	E&P division of Latin American Oil and Gas Operator
Customer Brief:	To drive continuous improvement throughout their assets, PIMS' customer chose to adopt an Operating Reliability System. To support System roll-out, replicated across each O&M Sector, a System manual was drafted. This manual set out the adoption process and associated procedures required to apply the System. PIMS were requested to review & amend this manual, ensuring ease of comprehension, aligning consistency with recognised world-class methodology and driving optimum take-up & compliance within the Sectors.
PIMS Approach:	<p>PIMS assembled a Review team consisting of process experts, a reliability methodology expert and an operations expert. With regard to the <i>Form of Manual</i>, all documentation and supporting annexes were benchmarked against UK HSE guidelines, US DoT and API recommended practises – this resulted in the Manual being reformatted as an Approved Code of Practice (ACOP), distributed over three levels:</p> <ul style="list-style-type: none"> • High-level, with an overview of the relevant aspects with which to comply • Medium-level, a framework document describing the requisite approach • Detailed-level, containing working guides to each element that comprise the approach <p>All data was then distributed across either application Guides or support Materials.</p> <p>The <i>System Structure</i> itself was rationalised into Goals & Measurement, Effective People, Effective Equipment & Effective Process (O&M).</p> <p>Regarding the <i>Manual Content</i>, 196 indispensable edits and 69 recommended edits were set-out to ensure brevity, ease of comprehension, alignment with recognised best practise, adoption & accountability.</p> <p><i>Supporting Annexes</i>, covering Criticality Analysis, Risk-based Inspection, Reliability Centred Maintenance & Root Cause Analysis were reviewed & benchmarked against effective applications deployed by the Review team throughout their international work history.</p> <p>Finally, <i>System Implementation</i> plans, training materials and verification procedures were identified and aligned with the ACOP.</p>
Project Outcome:	The Project was completed on time and to budget, enabling a supported System roll-out on schedule. All of the PIMS recommendations were incorporated into the new System.
Project Reference:	To discuss this Case further with the end-user, please first liaise with PIMS of London.

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