

Case Study



Sheet Ref: 08Q127

SCO and PAICI Programme Support

Summary:	The provision of strategic planning and the implementation of integrity and reliability methodologies for process facility installations associated with a crude oil pipeline transmission and storage system.
Asset Sector:	Oil & Gas: Process Facilities, Pipelines
PIMS Service Components:	Strategic Planning, Reliability Methodologies
Customer:	Energy Services Provider – Latin America
Customer Brief:	PIMS was required to develop the Integrity and Reliability strategy along with the corresponding process and implementation programme in order that the integrity and reliability of these process facilities could be managed in accordance with the end customer’s requirements
PIMS Approach:	<p>The PIMS project team of Strategic Planning and Process Engineering consultants in addition to experts in Integrity and Reliability Methodologies carried out the following:-</p> <p><i>Strategic Planning</i> – Facilitation of a Senior Management strategic workshop to define the Integrity and Reliability Process implementation strategy, Goals & Objectives and Key Performance Indicators</p> <p><i>Data Gathering and Validation</i> – A detailed review of the end customer’s Reliability Operating System’s Manual and Guides, the Maintenance Process and the Reliability Methodology Guides was undertaken. The equipment asset list was reviewed and validated and the assets prioritised by conducting site visits to the installations.</p> <p><i>Integrity and reliability implementation</i> – The Integrity and Reliability process and dataflow requirements were defined and developed. The Plan to define the customer’s annual Strategy for the management of Integrity and Reliability of the Installations including the implementation programme for the following reliability methodologies, was also produced:-</p> <ul style="list-style-type: none"> • Criticality Analysis (CA) • Risk Based Inspection (RBI) • Root Cause Analysis (RCA) • Reliability Centred Maintenance (RCM)
Project Outcome:	The Project was completed and approved by PIMS’ customer and the end customer this was the first time that an Integrity and Reliability process for Facilities was required to be defined or implemented for this end customer.
Project Reference:	To discuss this Case further with the end-user, please first liaise with PIMS of London.