

Case Study Sheet



Sheet Ref: 10Q270

Provision of In-line Inspection (ILI) Services

Summary:	A case-study that underlines the proven pedigree of PIMS, together with their network established across both the traditional & contemporary In-line Inspection (ILI) industry. The project involved the rapid-response sourcing & mobilisation of technology & technicians able to fulfil critical-path commitments during an inspection campaign; this followed the failure of the incumbent vendor to meet the customer's quality criteria.
Asset Sector:	Oil&Gas: Oil Pipelines, Power Generation Supply lines.
Service Element/s:	PIMS Integrity Evaluation, In-line Inspection (ILI).
Customer:	Middle East Oil and Gas Service Provider
Customer Brief:	<p>To provide geometry surveys & detailed pipeline mapping, using an inertial mapping unit (IMU), framed within a wider inspection campaign. Customer critical-to-quality (CtQ) issues included the requirement to comply with:</p> <ul style="list-style-type: none"> • Pre-determined operating windows to suit uptime requirements of line end-user, • Exacting tool specifications, including an ability to align with other vendor's data, • Offsite liaison arrangement to suit our customer's competence centre location • Local culture & integration preferences of the onsite project team, • Export license approvals, associated with the deployment of IMU's. <p>The customer contacted PIMS when it became clear that the incumbent ILI vendor could not adhere to the agreed schedule, to suit end-user operating windows, due to the lack of a valid IMU export license.</p>
PIMS Approach:	<p>PIMS immediately set-about securing & organising requisite resources, including:</p> <ul style="list-style-type: none"> • The sourcing of an Inertial Navigation System (INS), composed of accelerometers & gyroscopes used to measure 3D positions and orientations autonomously, that would satisfy export license regulations. • The validation of INS compliance to scope; the receipt of a valid export licence. • The coupling of the INS with a high-resolution geometry tool designed & built by independent ILI contractors originally trained by the PIMS leadership team. • The retention of a proven ILI field technician, known to the PIMS leadership team, with local knowledge of the region. • The establishment of project communication protocols that channel all the multi-site resources through the PIMS office in Budapest – adjacent to the Oil&Gas Competence Centre of our customer. <p>PIMS verified their ability to satisfy every customer CtQ before the end July 2010. By late August 2010, the combo-tool had cleared customs in country and was ready for launch.</p>
Project Outcome:	The ILI tool and INS remained onsite for the duration of the works – slotting into every operating window throughout the campaign. The accredited Field Technician completed all reporting on-site; PIMS demobilised, following project completion, in December 2010.
Project Reference:	To discuss this Case further with the end-user, please first liaise with PIMS of London.