**Case Study Sheet**

**Provision of In-line Inspection (ILI) Services**

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**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.

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<th><strong>Asset Sector:</strong></th>
<th>Oil&amp;Gas: Oil Pipelines, Power Generation Supply lines.</th>
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<td><strong>Service Element/s:</strong></td>
<td>PIMS Integrity Evaluation, In-line Inspection (ILI).</td>
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<td><strong>Customer:</strong></td>
<td>Middle East Oil and Gas Service Provider</td>
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**Customer Brief:**
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:

- 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.

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.

**PIMS Approach:**
PIMS immediately set-about securing & organising requisite resources, including:

- 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.

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.

**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.