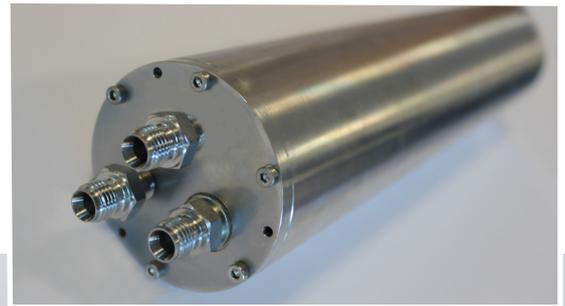


Pipeline Environment Tool (PET)

Available to suit a variety of pipeline diameters and pig types, the PET provides pipeline operators with an understanding of the behaviour of pigs whilst negotiating their pipeline system.

The PET can be retrofitted to standard mandrel pigs, foam pigs and flexicast pigs ensuring knowledge of all pig types is attained. The PET is a cost effective solution which, through innovative assessment and presentation of the data, means a pipeline operator can:

The P2D Pipeline Environment Tool fully ATEX certified data logging module



Determine an accurate pressure and temperature profile for the pipeline permitting refinement of deposition and flow assurance modelling



Identify and monitor upheaval buckles, bore reductions and pin point their location (gauge plate can be added)



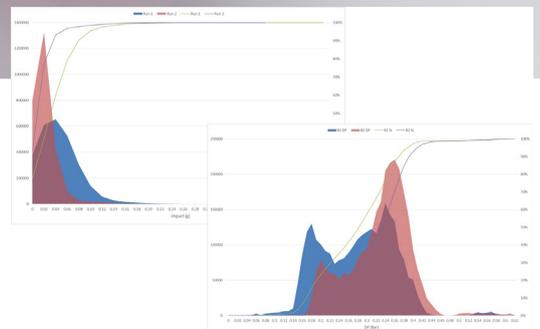
Monitor their pipeline environment for changes e.g. increasing pig DP suggesting reducing pipe bore



Monitor pig performance ensuring cleaning remains effective e.g. reducing pig DP demonstrating poorer cleaning performance



Mitigate ILI risk by performing an intelligent reconnaissance pig run pre ILI scope



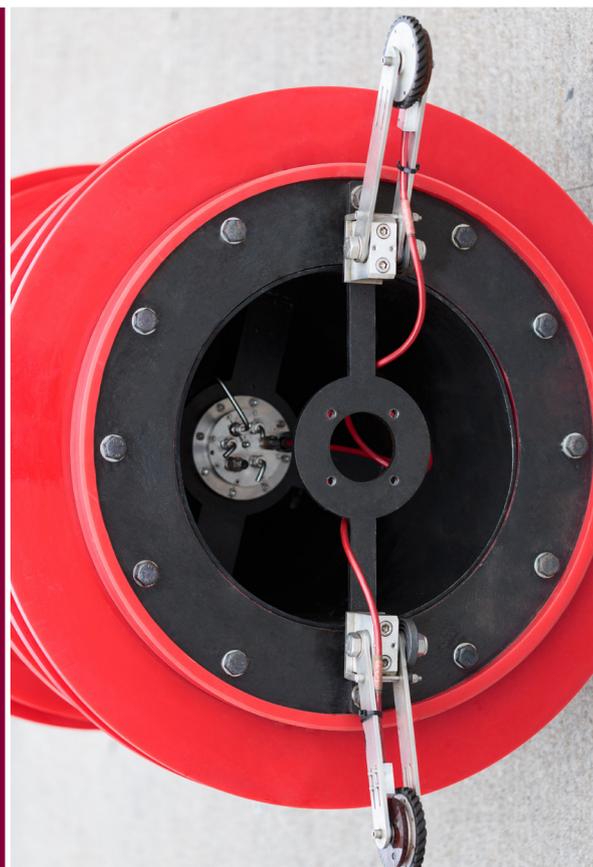
Pig performance assessment comparison to verify the changes in pig ride characteristics created by a change in pipeline condition.

The P2D PET's versatile sensor and electronics framework allows bespoke configuration to match the specific requirements of the project.

The PET can be run as part of a pigging programme that monitors the pipeline conditions at different times, events and flow rates.

Applications

- Low cost pipeline condition monitoring
- Monitor pig cleaning effectiveness and efficiency
- Optimise pipeline cleaning programs
- Semi-intelligent gauging
- Pipeline pressure and temperature profiles
- Evaluate pipeline parameters
- Evaluate new cleaning pig designs during testing and operations
- Easily adapted to suit a range of associated client requirements



“

Intelligent cleaning solutions, P2D bring a Smart approach.

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Operating Pressure	0-200 Barg
Operating Temperature	-5°C to +100°C
Pig Velocity	0.1 to 10 m/s
Battery Life	11 Days
Data Storage	8Gb
Front & Rear Pressure	0-200 Barg
Temperature Measurement Range	-10°C to +120°C
Odometers	2 maximum
Tri-Axial Accelerometer	+/- 3g

The above can be tailored to suit client requirements.

For more information on what the P2D Pipeline Environment Tool can do for you, please contact us