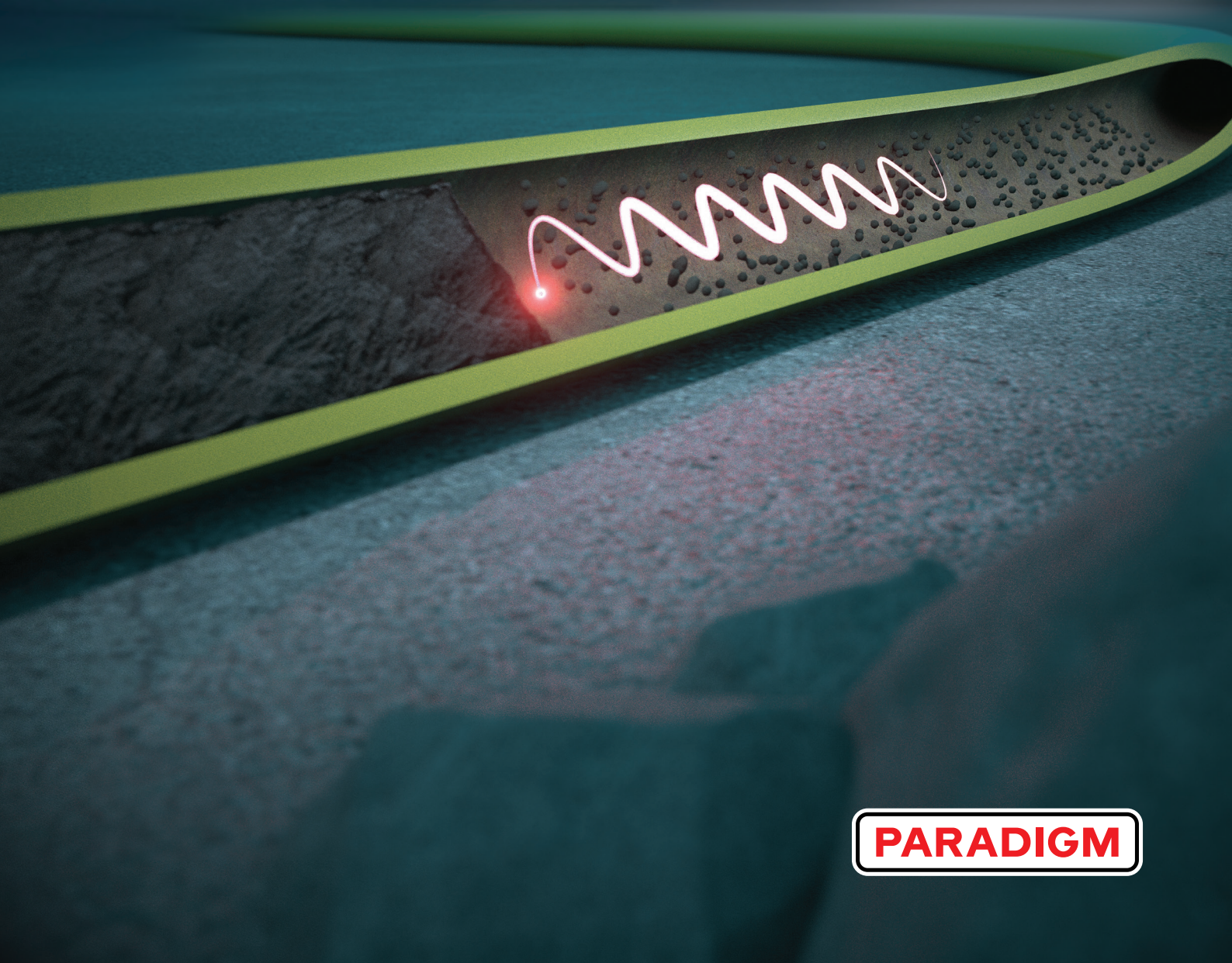


FIND-BLOCK[®]

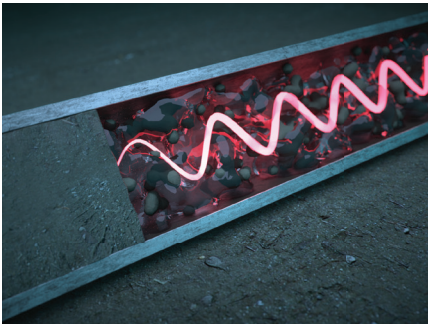
PIPELINE BLOCKAGE LOCATION



PARADIGM

FIND-BLOCK®

PIPELINE BLOCKAGE LOCATION



What is Find-Block®?

Find-Block® is a low cost, non-intrusive technology for the location of full bore blockages in pipeline and flowline systems. A controlled pressure wave is created by opening a valve at the system tie-in point and recorded via the Find-Block® high frequency data-logger. The profile of the pressure wave is then analyzed using Paradigm's proprietary Pressure Transient Analysis software with the blockage location subsequently being confirmed within 12 hours of the operation.

Applications

Find-Block® diagnostic surveys can locate flow assurance blockages (paraffin, hydrate, etc.) and mechanical obstructions (stuck PIGs) to an accuracy of up to 0.1% and can be undertaken in:

- Pipeline and flowline systems >2" ID
- Systems with >500psi working pressure
- Liquid filled systems

Solutions Driven

Find-Block® diagnostic surveys can be engineered and mobilized globally within 24 hours* from first contact and require only a single Survey Engineer with hand carried equipment. Operations are typically completed in a single shift, keeping the impact to facility operations to a minimum.

The Find-Block® service is inclusive of a site survey to assess feasibility and enable the engineering of remedial solutions involving Paradigm's patented Flexi-Coil® and Pipe-Pulse® technologies.

Pressure Transducers	
Type	16L stainless steel IP65
Size	approx. 22 x 34 x 117mm
Weight	0.2kg
Rating	Zone 2 hazardous area
Operating Press	0 to 600 bar
Operating Temp	-20° to +80° C
Supply Voltage	9 to 28 VDC

Data Logger	
Type	Die-cast aluminium IP66
Size	approx. 200 x 225 x 110mm
Weight	3kg
Rating	Zone 2 hazardous area
Sample Rate	5000 Hz
Operating Temp	0° to +80° C
Power Supply	110v or 240v

*Dependent upon personnel visa requirements, equipment availability and contractual status

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