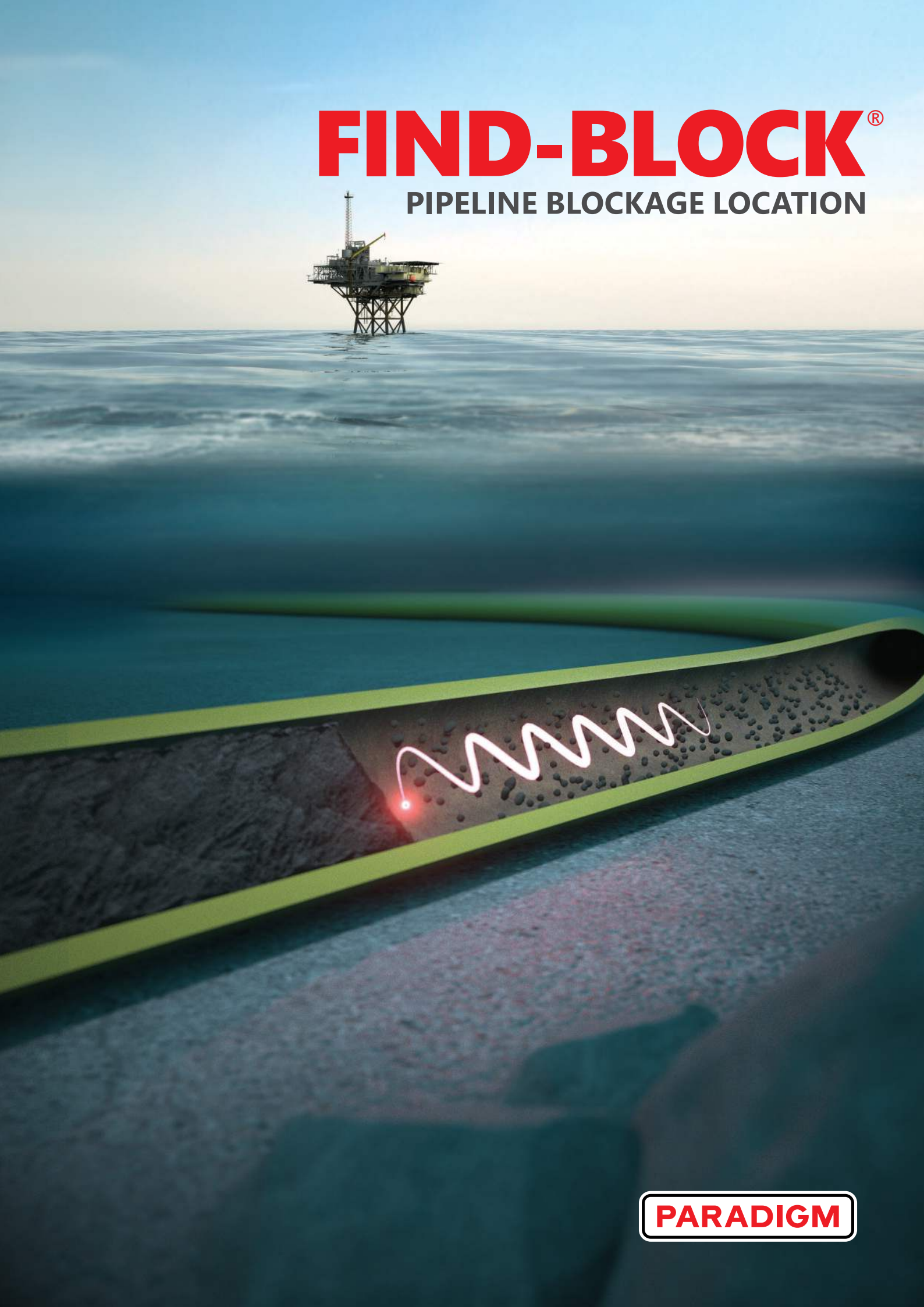
# FIND-BLOCK®

## PIPELINE BLOCKAGE LOCATION



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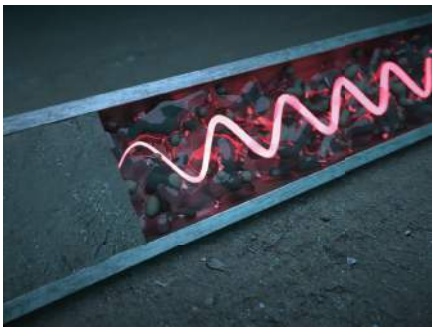

### What is Find-Block®?

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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