

SMART Pigging Services & Solutions



iNPIPE
PRODUCTS

www.inpipeproducts.com

Global Leaders in Pipeline Pigging, Maintenance, Isolation and Testing Solutions

INPIPE PRODUCTS™

offers a comprehensive range of pipeline services designed to ensure efficient operations and optimal pipeline performance. Our solutions are tailored to meet your specific needs, including:

- Custom-Engineered Solutions
- Expert Consultancy and Advisory Services
- Bespoke Design and Manufacturing
- Full Project Management
- On-Site Technical Support
- Advanced Cleaning and Maintenance
- Detailed Inspection and Assessment
- Visual Internal Inspection
- Debris Mapping
- Cleaning Regime Validation

SMART Pigging

Our advanced SMART Pigging Solutions deliver precise pipeline inspection services, enhancing condition assessments and flow efficiency:

- **PHOENIX Debris Mapping:** Provides a 360° internal pipeline view using advanced sensors.
- **Camera-Integrated Pig:** Conducts visual inspections up to 3200mm in diameter using video and LED technology.
- **Acoustek™ Blockage & Leakage Detection:** Identifies obstructions and valve leaks with acoustic reflectometry.

Custom Pig Design

We supply a range of standard pipeline cleaning tools/pigs and a full design review is generally conducted following receipt of pipeline profile details. Bespoke, tailor made pigs can be designed and fully tested in our range of test loops. Client specific test rigs can be designed and pigs fully tested, often client witnessed, at our dedicated test facility. At **INPIPE PRODUCTS™**, we support global operators, contractors, pigging specialists and consultants with expert design and manufacturing services.

Pipeline Cleaning

Regular pipeline cleaning is vital for maintaining

Sectors we work in



OIL AND GAS



PETROCHEMICAL



POWER GENERATION



MINING



NUCLEAR



FOOD & BEVERAGES



RENEWABLES



WATER REUSE/DESALINATION



pipeline integrity. Our cleaning solutions address a variety of needs, including the removal of wax, scale and water from oil pipelines; condensate from gas pipelines; sediment and deposits from water pipelines; and residues from food, beverage, liquid transfer and chemical pipelines. Effective cleaning ensures optimal flow rates, maximises throughput and minimises deposition.

Pipeline Decommissioning

Comprehensive decommissioning solutions include pigging, flushing, filling and plugging. Tools include:

- **Abandonment Plugs:** Permanently seal pipelines with a design life of 30 years or more, tailored to specific project requirements and material specifications.
- **Hyperbaric Spheres:** Ensure dry sub-sea pipeline tie-ins or repairs, critical for radiographic inspection.

Pipeline Inspection

Pipeline inspection is essential for assessing pipeline conditions and ensuring long-term operational efficiency. We offer innovative inspection solutions that maximise flow assurance and deliver detailed insights for asset integrity. The PHOENIX debris mapping tool provides a 360° internal view using state-

of-the-art sensor technology, giving operators a comprehensive understanding of their pipeline's condition.

To support effective inspection and cleaning programs, we supply a range of tools, including:

- **Bidirectional and Cup Pigs:** Equipped with wire brushes, tungsten carbide studs, gauge plates, bypasses, and jetting heads to minimise debris buildup.
- **Long-Bodied Tools:** Designed for pipelines with complex features like off-takes, wye sections, and swing check valves.
- **Tracking Systems:** Featuring technologies such as electromagnetic & acoustic transmitters and radioactive sources for accurate tool tracking.

Pipeline Maintenance

Efficient maintenance ensures optimal flow and minimises product loss. Our services include cleaning, inspecting, and addressing blockages using innovative tools to extend pipeline life and validate cleanliness.

Pipeline Pressure Testing & Isolation

Hydrostatic testing is essential for assessing pipeline integrity during commissioning and maintenance. It ensures compliance with safety



standards, prevents leaks, and extends pipeline lifespan while maintaining optimal flow.

- **Pressure Testing:** Detects leaks and verifies structural integrity using pressure indicators, especially vital for gas pipelines to prevent pressure loss and potential explosions.
- **Pipeline Isolation:** Sections off parts of a pipeline for repair using plugs, followed by hydrostatic testing to confirm integrity after the repairs.

Our specialised equipment, including plugs and testers, ensures safe and reliable pipeline operations.

Pipeline Pig Testing & Validation

Pre-run and post-run testing ensure pigs meet operational requirements for cleaning, inspection, and separation. Our validation processes adhere to the highest international standards for safety and reliability.

Pig Maintenance & Refurbishment

Cost-effective services optimize pigging assets, including:

- Pig refurbishment and spares.
- Certification and testing.
- Custom pig design and full-scale validation.

Specialty Pigging Solutions For “Unpiggable” Pipelines

We have developed a comprehensive range of solutions for pigging pipelines that lack traditional launching and receiving facilities. Our offerings include:

- **Traditional and Temporary Launchers/Receivers:** We provide both traditional launchers and receivers for hire, as well as temporary systems featuring innovative tyre sealing connections.
- **Advanced Materials:** We offer unique processes and materials, including gels, abrasive slurries, and fibre additives. These can be introduced into pipelines through smaller nozzles and effectively removed downstream.
- **Ice Pigging:** A promising alternative for decommissioning, with trials showing greater efficiency than water flushing, reduced waste and potential for wax removal in test loops.

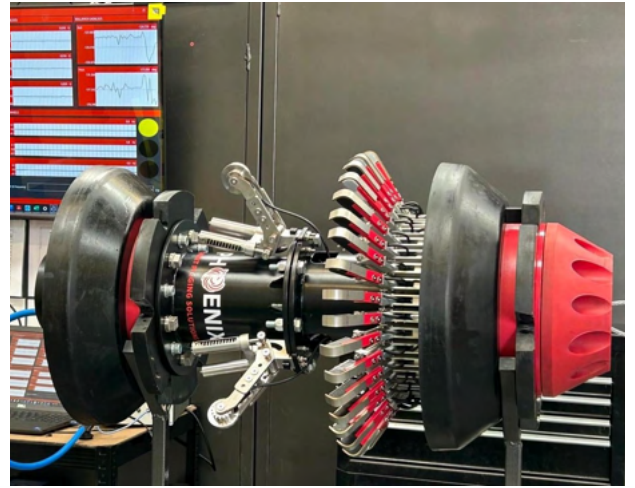
Training

We provide high-quality training courses on pigging, pipeline maintenance, isolation and testing. Training can be conducted at our UK facility or at client's site, with project-specific certificates issued upon completion.





Test loop for proof testing of pigs
at iNPIPE PRODUCTS facility



PHOENIX Debris Mapping provides a 360°
internal view of pipelines using advanced
sensor technology



36" Pigging System - FAT Testing & Commissioning
at iNPIPE PRODUCTS facility



42" Water Mains Pipeline Cleaning



36" Pipeline Cleaning



Acoustek™ Blockage & Leakage Detection
for gas pipelines

PIGGING PRODUCTS

Alongside our extensive product range, **INPIPE PRODUCTS™** also has the capacity to offer custom engineering solutions.

SOLUTIONS DRIVEN

At **INPIPE PRODUCTS™**, we specialise in pipeline pigging, flow assurance, isolation, inspection and asset integrity.

Our comprehensive suite of products and services includes engineering consultancy and project management, supported by on-site support services.

Our extensive engineering experience and integrated manufacturing capabilities enable us to deliver custom designed turnkey solutions, meeting the most demanding client requirements.

This precision and reliability have earned us a significant reputation among major operators and contractors worldwide

ADVANCED FACILITIES & TRAINING

INPIPE PRODUCTS™ features state-of-the-art design, manufacturing and testing facilities to guarantee the highest quality standards.

We offer comprehensive proof of concept and factory acceptance testing (FAT), with third-party inspections and client-witnessed FAT procedures for pigging products and solutions. Our systems, ranging from 1/2" to 90", are validated through internationally recognised third-party authorities.

Training tutorials on pipeline pigging, isolation, testing and its applications can be conducted at our HQ and Aberdeen Service Centre or at client's sites if required. Project/product specific certificates are issued upon successful completion of the course.

DELIVERY

Our HQ and Aberdeen Service Centre ensure precise project control and timely delivery worldwide.

With significant logistics expertise, we ensure that goods are shipped quickly, cleared through customs efficiently, and delivered to client sites globally in the shortest possible time.

Our "right first time" approach has established **INPIPE PRODUCTS™** as the premier supplier of pigging products and services for over 40 years.

For further details, please contact **INPIPE PRODUCTS™**

INPIPE PRODUCTS™ offers the latest in cutting-edge technology, with in-house design, manufacturing and testing capabilities for both standard and bespoke products.

We provide an unrivalled product range, including Foam & Metal Bodied Pigs/Scrapers, Spheres, Pig Handling Equipment, Isolation Tools, Pig Signallers, Pig Diverters and Launching and Receiving Systems.

Our Aberdeen Service Centre provides engineering support and pigging maintenance services, including pig refurbishment, pigging assessment and pigging tool management.

Our **SMART Pigging** delivers innovative pipeline inspection solutions, ensuring maximum flow assurance and detailed insights into asset integrity. This includes debris mapping tools, pipeline visual inspection and pipeline blockage and leakage detection.



Gatherley Road, Brompton on Swale, North Yorkshire, England, DL10 7JH

Tel: +44 (0)1748 813270

Fax: +44 (0)1748 813454

sales@inpipeproducts.co.uk

www.inpipeproducts.com

