



PIGGING PRODUCTS & SERVICES ASSOCIATION

An international trade association serving the pipeline industry

29th Edition

Buyers' Guide & Directory of Members 2017 – 2018

Pigging Products and Services Association
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PIGGING PRODUCTS & SERVICES ASSOCIATION

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The Piggings Products and Services Association (PPSA) was founded in 1990 by Jim Cordell and now has over 120 members, from 20 countries representing the pigging industry throughout the world.

The Association is entirely funded by its members through their annual subscription fees. Its aims are, "To promote the knowledge of pigging and its related products and services by providing a channel of communication between the members themselves, and with users and other interested parties".

PPSA plays a major role in providing information and sourcing equipment and services, for pipeline operators and the industry generally and responds to hundreds of enquiries each year.

The PPSA web site enables visitors to source the products and services they need quickly and easily and provides a link to PPSA's technical information service.

PPSA runs seminars and training courses on pigging, sponsors lectures and meetings about the subject and supports relevant conferences.

Full Members are companies manufacturing or marketing pigging products and services.

Associate Members are companies connected with the industry, e.g. operators, suppliers and allied industries.

Individual Members are anyone with an interest in pigging.

For further information, technical enquiries, or to find out how to join the Association please contact:

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WHY PIG A PIPELINE?

It is generally agreed that a pipeline should be pigged, but the reasons for doing so are not always fully appreciated. This may result in improper pigging programs and/or the use of the wrong type of pig and this could have an adverse effect on the pipeline's operating and maintenance costs.

A pipeline is arguably the most efficient method yet devised for transporting fluids – whether gases or liquids.

Its relative efficiency though, depends upon two fundamental requirements:

1. It must operate continuously.
2. The required throughput must be obtained with the least capital investment and the lowest operating costs.

Utility pigs and In Line Inspection tools ('intelligent/smart pigs') play a major role in both obtaining and maintaining these 'two fundamentals':

1. They help to ensure continuous operation by:
 - removing any substance which might damage the pipeline process systems
 - helping to prevent the formation of corrosion cells
 - providing timely information of any developing problems
 - providing data on any perceived problems to enable informed decisions to be made
 - providing an alternative to shutting down for statutory periodic testing.
2. They help to ensure maximum efficiency by:
 - removing any debris or foreign matter in the line
 - removing any deposits, either liquid or solid, which might otherwise build up and restrict the flow
 - by monitoring the operating and/or physical conditions of the line.

In short, pipeline pigs help to ensure that the pipeline is constructed properly – and that it stays that way.

Pigging is required during each phase in the life of a pipeline, typically:

During construction

- i) Removing debris from the line
- ii) Pressure testing
- iii) Commissioning

During operation

- i) Pipe wall cleaning
- ii) Condensate removal
- iii) Product separation
- iv) Applying inhibitors

For inspection

- i) To check for damage
- ii) To detect corrosion or cracking
- iii) Leak detection
- iv) Sampling
- v) Line cover and spanning

For general maintenance and repair

- i) Corrosion inhibition
- ii) Pre-inspection cleaning
- iii) Decommissioning
- iv) Isolation
- v) Recommissioning

During renovation/rehabilitation

- i) Gel pigging
- ii) Applying in situ coatings
- iii) Chemical cleaning
- iv) Scale removal
- v) Product conversion

Decommissioning

- i) Product removal
- ii) Inerting

Many pipeliners only resort to pigging when a problem becomes apparent and they have no other choice. Often, this is too late. The damage has been done and a multi-million dollar investment is put at risk. Use of the correct type of pig and a proper pigging program will help to maintain the integrity and optimum efficiency of the pipeline; safeguarding both the environment and the assets of the pipeline owner. The PPSA book: "An Introduction to Pipeline Pigging" will provide guidance in this respect, but if in any doubt, contact should be made with a PPSA member company, who will be pleased to advise.



PPSA's book, "An Introduction to Pipeline Pigging"

PRICE:
£21.00 UK,
\$52 US elsewhere

CONTACT:
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Contact: Niek Bruijnesteijn, Serviceline Manager
Inspection Services

A.Hak Industrial Services provides a complete range of integrated solutions to the oil, gas and petrochemical industries around the world. Through their pipeline, inspection, storage tank and industrial service lines, A.Hak Industrial Services assists you in every step of your plant operation, from design and ongoing maintenance to end-of-life, to assure maximum plant integrity and sustainable operation.

A.Hak Industrial Services is based in the Netherlands and has offices in: United Arab Emirates, Malaysia, Australia, United States, Brazil, United Kingdom, Germany, Romania, France, Italy, Spain and South Africa.

Inspection Services: provides in-line inspection of (non-)piggable pipelines and furnaces including quick scans, full assessments, pre-engineering, mechanical works and mechanical cleaning, gauging, calliper runs, inspection, reporting and consulting.

Pipeline Services: includes engineering and construction services, pre-, re-, de- and commissioning services, maintenance & operating services and decommissioning services.

Industrial Services: offers nitrogen-related services including reactor cooling, nitrogen or helium leak detection, system purging, furnace cleaning and chemical cleaning.

Tank Services: offers integrated tank storage services including profiling, desludging, cleaning, robotic tank bottom inspection, cleaning and foam inerting.

Alchemy Oilfield Services Ltd

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Alchemy primarily specialise in gels and sealing materials for offshore and onshore oil industry applications. They provide a range of gels and gel pigs for cleaning, debris removal, dewatering, de-oiling, chemical treatment separation and spool filling for sea-water ingress prevention. Uniquely Alchemy has perfected the manufacture of gels from Kits® and biodegradable gel pigs with low and high temperature stability. All products are environmentally friendly and are approved by CEFAS for use in the North Sea.

Alchemy manufacture and supply high specification sealing products for wellheads, valve and pipeline applications and provide a solution based response to pipeline emergencies for remediation of difficult and sometimes safety critical applications.

Apache Pipeline Products

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Apache's commitment to quality, service and continual product development provides the industry with "leading edge" technology. Apache Pipeline Products is a major manufacturer of pipeline cleaning and maintenance equipment. The company manufactures a complete range of pipeline cleaners, including foam pigs, mandrel pigs, solid cast urethane pigs and modular all-urethane pigs. Apache also manufactures replacement elements such as discs, scraper cups, conical cups and other auxiliary pipeline accessories.

The patented pig passage indicator, the Apache "pigPRO" is also made at the Edmonton, Canada facility and has been designed to install easily on other manufacturers' existing mounts. The units are available with a variety of signals including visual flag/manual reset, electrical/auto reset, or a visual/electrical combination.

Applus RTD

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Applus RTD is a world-wide operating provider of Asset Integrity Services with presence in over 35 countries and has over 4000 employees.

The pipeline division is specialized in internal ultrasonic inspections of "unpiggable" pipelines, municipal heating grids, offshore platform risers, SCRs, casings, etc.

Their inspection tools are self propelled, cable operated ultrasonic crawlers measuring internal and external corrosion, remaining wall thickness, geometrical deviations etcetera. Optionally tools can provide 3D routing data.

The Inspection range is for 4" to 60" and lengths up to 17km, providing full circumferential coverage with fixed/rotating transducer head configurations.

Tailor-made pipeline inspection solutions adapted to local circumstances can be developed by in-house R&D.

Additionally technical services on pipeline integrity, reliability and safety can be provided.

Aubin Group

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Aubin are market leaders in the supply of novel pipeline technologies for use in oil, gas and other types of pipelines.

They offer a full range of pipeline gels and innovative pigs that replace traditional pigs in both piggable, and non-piggable pipelines. The new range of EVO-Pigs are made of non-compressible, deformable materials capable of being launched and received with or without conventional facilities. EVO-Pigs can be used in multi-diameter pipelines with restrictions to 50% of original diameter.

Applications include cleaning, de-oiling, dewatering, debris removal, chemical train separation and spool filling.

With the environment one of Aubin's top priorities, most of their products are certified by CEFAS for North Sea use as Non-CHARMable, OCNS Group E.

They also offer other specialist products for applications such as buoyancy (DeepBuoy), leak sealing (DeepSeal) and insulation (DeepGel).

BG Technical Ltd

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BG Technical Limited (BGT) is a leading pipeline service company with significant activity in Africa. Areas of specialization are pigging services; project design and execution, inline inspection service; MFL, Caliper and Impact logger, pipeline commissioning, drying, and nitrogen packing. Other services are chemical cleaning, on-line cleaning in gas pipelines using high volume separators, chemical de-scaling of heat exchangers, HVAC systems, valve servicing/maintenance and supply of launchers/receivers, barrel doors and the like. BGT designs and installs valve interlocking systems for process control and also tamper prevention systems for facility and remote location protection.

A subsidiary company, PPA manufactures various types of pipeline pigs; foam, mandrel, polyurethane systems, and supplies pigging accessories.

Baker Hughes Process and Pipeline Services

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Pipeline Inspection

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Pipeline Pre-Commissioning and Maintenance

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Contact: Stephen Thornton, Global Product Line Manager, Pipeline Services

The Baker Hughes Process and Pipeline Services (PPS) group offers pipeline services in three primary categories to help global operators improve pipeline efficiency, reduce product-to-market time, reduce HSE risk, and meet regulatory standards. Services include pipeline pre-commissioning, flooding, hydrostatic testing, cleaning, drying, and product commissioning; pipeline maintenance services include in-line filtration and separation, gel pigging, chemical and mechanical cleaning, nitrogen purging, online pigging, temporary pumping packages and product transfer; and pipeline inspection services that offer caliper, inertial geometry, cathodic protection surveys, crack detection and metal loss using magnetic flux leakage and ultrasonic technologies, and fit-for-purpose evaluations. Baker Hughes PPS services are available to the natural gas, crude oil, refined products, and petrochemical industries in major oil producing areas across the globe.

CDI

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Contact (Sales & Marketing): Michelle Greer, Sales/Marketing Coordinator

Established in 1982, CDI is the world's foremost leader in non-intrusive pipeline pig tracking, locating, and

signaling technology. With UL/CSA, ATEX and IECEX certifications, they have pigging equipment appropriate for any area of the world whether it be onshore, offshore or subsea.

Onshore tracking equipment includes the TRAXALL Pig Location and Tracking System which tracks up to seven different transmitter frequencies simultaneously. For subsea tracking, the new Mantis 820 ROV Tracking System offers multi-frequency detection at depths of up to 3,000m. Both systems detect CDI's X-Series Programmable, Multi-frequency Transmitters or legacy 22Hz frequency transmitters.

Quality, durability and safety are the focus. On-time delivery and exceptional service is the goal of every CDI associate. CDI is an ISO 9001:2008 certified company.

CDRiA Pipeline Services Ltd

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CDRiA Pipeline Services Ltd. was established in 1998.

The Company's only shareholder is PERN S.A., the operator of 2500km crude oil pipeline network in Poland.

CDRiA is a member of the PERN Group.

All its services are rendered using the tools developed and fabricated by CDRiA's team of engineers.

CDRiA offers: Ultrasonic pipeline in-line inspection – metal loss and crack detection, pipeline internal geometry inspection, pipeline XYZ mapping.

CDRiA inspection personnel and tools are certified according to Polish and international standards: ISO 9001:2008 Certificate, TÜV Anlagentechnik, PRS, Atex.

CDRiA's mission is rendering pipeline in-line inspections for their customers, providing them with the ability to implement professional pipeline integrity management and achieve their business targets.

CEPS a.s.

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CEPS a.s pipeline services and pipeline integrity services experience on high pressure steel pipelines ranges from mechanical and chemical cleaning with proprietary formula cleaning agents, hydrostatic testing with liquids or gaseous mediums, pipeline drying with superdry air or vacuum, nitrogen services, leak detection, manufacturing and installation of repair sleeves and other. Their services cover all stages of pipeline life from pre-commissioning and commissioning through regular operational services, integrity revalidation, upgrading, extending the pipeline lifetime, repair and rehabilitation up to pipeline de-commissioning and abandonment.

Founded in 1999 with a team of engineers, some of them with more than 40 years of experience, CEPS is certified to ISO9001:2008, ISO14001:2004, OHSAS18001:2007 and accredited for works on high pressure oil and gas pipelines.

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Founded in 1992, CPPI provides a full range of pipeline services world-wide. They include: pipeline cleaning, inline intelligent pigging (geometry/deformation, mapping, metal loss/corrosion) and fitness for purpose evaluations. CPPI employs specialists in pipeline operation, data analysis and integrity to serve all of its customers and to provide effective and efficient operations.

DSV Pipetronix Limited

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Contact (PPSA & Sales): Mr. Chike Ojideh

DSV Pipetronix Limited, established in 1997 is a leading provider of pipeline services in Nigeria. Their services include; pipeline integrity assessment, cleaning and descaling, tank bottom/facility inspection, pipeline reinforcement/leak repair, auxiliary pumping and Line Pipe/ OCTG tubular equipment supply. DSV also specializes in the provision of services to the oil and gas sector for pre-commissioning and commissioning of pipelines including cleaning, gauging, hydrostatic testing, drying, inerting etc. and undertake nitrogen purging using Nitrogen Plant (NPU) & cryogenic chambers.

DSV owns a bank of specialized equipment and has a qualified team of Nigerian and expatriate engineers with the requisite skills and experience. They have undertaken pipeline inspection of thousands of kilometers of pipelines and have a reputation for prompt service delivery with an impeccable safety record. DSV provides pipeline integrity assessment services in partnership with ROSEN group.



**FREE TECHNICAL
information service**

Email: ppsa@ppsa-online.com

Use our service to source pigs and pigging equipment and for general advice on the subject.

Our members and technical advisers are on hand to answer your questions about pigging and pipeline integrity.

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Dacon Inspection Services was incorporated in Oslo, Norway in 1979 as a diving and sub-sea inspection company. With their global headquarters in Thailand they specialize in pipeline inspection services and Advanced NDT Inspections.

Dacon increases pipeline performance and reduces maintenance costs with a full suite of services from inline inspection through to risk based inspection regimes and fitness for service evaluations. By tailoring specific solutions to meet your project needs they offer a cost-effective solution to ensuring optimized pipeline performance.

With many years of experience around the world in some of the most challenging work environments they have built the expertise needed to ensure your pipeline is operating at peak performance.

Enduro Pipeline Services, Inc

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Enduro Pipeline Services corporate headquarters is located in Tulsa, Oklahoma, USA with additional facilities in Canada. Enduro provides in-line-inspection

services, cleaning pigs, tracking equipment, pig passage indicators, tracking and project management services to the pipeline industry.

ILI Services include MFL Multiple Technology tool surveys ranging in pipe sizes 4" through 36". Caliper / Geometry Survey tools ranging 4" through 48" pipe sizes. Enduro also manufactures Pipeline Pigs pipe sizes 2" through 60" in diameter used for cleaning, purging, batching, filling, dewatering, drying and other related applications for on stream and new construction applications. Dual Diameter and Multi-Diameter Pigs, Chemical Cleaning Services, Tracking Services, plus Technical Assistance is offered by Enduro's experienced staff.

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Contact (PPSA & Sales): Mark Olson

Brought to you by the same team that first commercialised XHR MFL technology and that invented the MFL/Caliper combo tool, Entegra is an ultra-high resolution MFL/Caliper/IMU, tethered and free swimming, in-line inspection service provider. Featuring nearly 4X the resolution of the current state-of-the-art, Entegra's tools are the shortest, lightest and the most robust equipment available. Focused on the highest quality and service, Entegra's personnel are some of the most experienced in the industry.



Eureka Efektif Sdn Bhd

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Technical know-how and years of experience running cleaning pigs become the pillar of Eureka Efektif's pipeline pigging solution. With an experienced team and advanced machinery technology, they design, develop, test and produce the solution that will most benefit their client.

Their commitment is to provide total customer satisfaction by delivering superior quality products within the specified time. This is possible by having QA/QC process which is in line with ISO9001:2008 Standard.

They believe after sales service of a product is crucially important and they aim to have a long-term relationship with their customers by providing excellent customer experience.

GD Engineering

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GD Engineering, an SPX Brand, is a market leader in the design and manufacture of engineered pipeline pigging solutions to the oil, gas and process industries.

Their Bandlock™ 2 Closure range provides speed of operation with safety benefits. Used on process vessels such as, pig traps and filters, size range to 100" (2.5m) diameter, pressures to ASME #2500 (425 barg).

GD Engineering has many years experience in providing innovative closure designs for a wide range of process vessel applications. The PigAlert Hi-T intrusive and the non-intrusive MAGAlert and ULTRAlert pig signaller range provide reliable pig/sphere passage indication. Multiple Pig Launchers allow remote multiple pig launching without depressurisation.

The Company's quality system is approved to ISO 9001:2008 by LRQA and they feature in the FPAL and Achilles Joint Qualification System.

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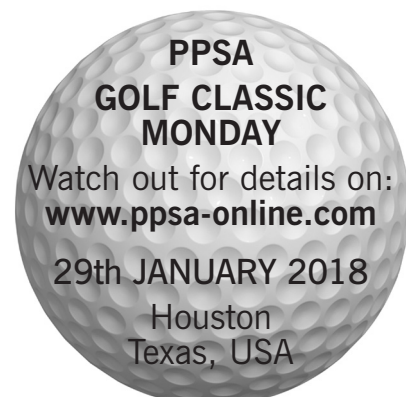
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Founded in 1968, Girard is approaching 50 years of manufacturing high quality pipeline cleaning pigs along with providing unmatched customer service. Girard manufactures the full range of pipeline pigs, including polly-pigs (foam pigs), steel mandrel pigs, solid cast polyurethane pigs, polyurethane spheres (balls) for pipeline and meter proving applications. Girard also manufactures replacement cups, discs and other urethane wear parts for most pigs on the market.

For those applications requiring rubber, Girard supplies Neoprene and Nitrile Pipeline and Proving spheres, and scrapper cups and discs in both compounds.

Girard also supplies Hi-T PigAlerts, intrusive and non-intrusive pig detectors, pig tracking equipment, geophones and other related equipment.

Whether you are cleaning, batching, gauging, coating, proving, tracking, testing, or pushing liquids, there is a Girard pig that will work for you.



GOTTSBERG Leak Detection GmbH & Co. KG

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GOTTSBERG Leak Detection GmbH & Co. KG located in Hamburg, Germany is a family owned developer and manufacturer providing a technical leading ultrasonic leak detection pig for pipelines to identify and locate even the smallest defects or illegal tapping spots. Our aim is to provide affordable state of the art technology that is easy to handle and absolutely reliable in performance for sales market as well as leak detection services.

The intelligent pigs are approved for ATEX Zone 0 (Class 1 Div. 1), which means that no regulations concerning explosive atmospheres must be fulfilled. With its specialists GOTTSBERG Leak Detection can look back on nearly 40 years of experience in the field of pipeline integrity.

Gulf Petrochemical Services & Trading LLC

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Gulf Petrochemical Services & Trading LLC is a contractor commercially registered in the Sultanate of Oman for a number of activities such as engineering, procurement and construction (EPC) contracts for green-field and brown-field projects for facilities and pipelines, infrastructure projects, maintenance contracts for oil & gas facilities, integrity management services of cross country pipelines, pipeline rehabilitation and environmental services.

GPS is responsible for the maintenance of over 90% of oil and gas pipelines currently in operation in Oman. GPS owns one of the biggest fleet of plant and equipment in Oman and directly employs over 5000 multi-disciplined manpower. GPS is also active in UAE, Kuwait, Saudi Arabia and India.

Halfwave AS

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Halfwave's Pipeline & Subsea Inspection business is based on the company's proprietary Acoustic Resonance Technology. The services offered have been introduced to provide enhanced information to their clients, ultimately reducing the risk of leaks and increasing the technical safety of pipelines.

Due to Halfwave's unique selected broad-band/medium frequency setup their patented solution provides direct ultrasonic wall thickness measurement in gas pipelines, high inspection performance in bends and inspection in multi-diameter diameter pipelines. Halfwave's ART inspection technology has also shown to provide accurate wall thickness mapping in gas pipelines with wall thicknesses of up to 100mm.

Pipeline Pigging & Integrity Technology

4th Edition, 2013

The latest data on
pigging and inspection tools,
views, and practical solutions

Collected and edited papers
from PPIM conferences and other
sources 2007-2012

www.clarion.org
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Halliburton Pipeline & Process Services (HPPS)

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Halliburton's vision is to: Deliver tailored engineered solutions and standardized project management to maximize up time and throughput of their customers' pipeline and process assets. HPPS operates worldwide providing a full range of pre-commissioning, commissioning, maintenance and decommissioning services, onshore and offshore.

Services include: flooding, cleaning, gauging, dewatering, drying, conditioning, pipeline inspection, mechanical and gel pigging, flushing, hydrotesting and nitrogen testing.

Additional specialist services include subsea pigging and hydrotesting using their SPHU systems, debris and blockage analysis using their PressurePulse™ technology.

Halliburton also provide nitrogen inerting, helium leak detection, bolt torqueing & tensioning, flange management, on-site machining, pipefreezing, video inspection, umbilical testing and flushing, electrical and fibre optic cable testing, and a variety of engineering, analysis, equipment and pumping services.

I2i Pipelines Ltd

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i2i Pipelines is a sensor technology company that is pioneering the integration of smart sensors into simple operational pigs for high frequency inspection, the collection of Big Data for enhanced analytics, anomaly monitoring and development of predictive maintenance strategies. Combined with advanced signal recognition software i2i can now apply artificial intelligence to sensor data within hours of tool recovery, highlighting critical problems at an early stage and allowing the in-line tools to monitor integrity and flow assurance conditions over the lifetime of the pipeline.

i2i's Pioneer™ tools deliver an innovative low risk and low cost inspection solution, inspecting pipelines from 2"- 48", including complex geometry and multi-diameter lines in all production mediums without disrupting production. Pioneer tools can be operated by 3rd party personnel with minimal training, require no specialist facilities and used in pipelines with no prior cleaning.

Below is a brief overview of i2i's in-line tools: Patrol™ pig - designed specifically to target illegal taps in a pipeline; Pioneer™ pig – offers full inspection capability for internal anomalies; Prospector™ pig – can map deposits and wax within the pipeline.

IK Group

IK-Norway

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IK Norway, established in 1987, supplies the oil and gas industry with pipeline services and products and is comprised of five departments.

PPS – Pigging Products and Services (*engineering, supervision, equipment and products for pipeline pigging*), Subsea (*custom made subsea tools, equipment and operation*), Field Services (*local pressure test equipment and field support*), Pipe Intervention (*hot tapping and freeze plugs*) and Torque Tension/Instrumentation (*bolting services/equipment and calibration of instruments*).

IK-UK Ltd, specializes in pigging equipment and plugging products including an extensive hire fleet of certified weld testers, high pressure test plugs and isolation tools. Operating from a modern unit that is capable of manufacturing all products in-house, IK-UK can produce quality pipeline pigging products for both contractors and operators.

Online Electronics Ltd (OEL) design, manufacture and distribute products employed during pipeline pig monitoring, pipeline data communication and logging operations using acoustic, electromagnetic, magnetic and ultrasonic technologies.

Products enable pig tracking & signalling, pressure/temperature data logging, gauge plate condition systems, automated pipeline discharge sampling, ATEX certified products and subsea voltage gradient detection.

OEL has offices in Dubai, UAE; Singapore and Houston, USA.

IKM Testing AS

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IKM Testing with its 930 employees is a part of the IKM Group which has 1950 employees. IKM Testing specializes in providing pipeline services to the oil and gas industries. The head office is located in Stavanger, Norway with daughter companies in the United Kingdom (Newcastle and Aberdeen), Canada (St. John's and Halifax and Alberta), Spain (Cadiz), Australia (Perth), Singapore, Indonesia (Batam), Malaysia (Kuala Lumpur), Thailand (Rayong), Poland (Gdansk), Brasil (Rio de Janeiro and Bangu), Mexico (Mexico City Ciudad del Carmen) and Korea (Busan). IKM has been involved in on-/offshore development projects since 1989. It offers a safe and cost attractive alternative within pipe/pipeline services including: engineering, commissioning, pressure testing, nitrogen services, pigging, flooding, gel, waxing, drying, preservation, isolation, calibration, chemical cleaning, bolting services, video inspection and hot oil flushing. IKM Testing has a certified Quality Assurance system in accordance with ISO 9001:2008, OHSAS 18001:2007 and ISO 14001:2004.

Visit PPSA's Web Site
www.ppsa-online.com

for more information and
Hyperlinks to Members'
Web Sites

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In-Line Pigging Solutions field services focuses on pipeline integrity management, pipeline operational support and pipeline maintenance support. Their main areas of service include: In-line inspection programs and field execution for liquid and gas pipelines; Pre-inspection cleaning programs; AGM sub-metre survey and pig tracking; Maintenance pigging crews; Integrity dig management and field dig inspection; Pipeline operator support and first call management; Pig sales and pig design.

Whether you need full turnkey project management or one component of their overall service offering, you can trust your project to In-Line Pigging Solutions. They have experience completing hundreds of thousands of kilometers of pipeline inspection and pig tracking throughout Canada.

Inline Services Inc

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Inline specializes in Intelligent Pipeline Cleaning products for pipeline maintenance and has one of the largest inventories of poly foam, foam disc, urethane and mandrel pigs to offer fast delivery on any style and quantities of pigs.

Inline has new technology electronic tracking equipment which includes receivers, geophones, and transmitters. Electromagnetic and geophone receivers are available in the same housing.

Inline's experienced team of consultants can manage day to day pigging operations or design complete pigging programs. These services for cleaning and proving pipelines prior to ILL runs can prove extremely cost effective.

Inline also provides complete custom-designed Process Pigging Systems, components and packages for the process industry, for both industrial and sanitary applications.

INPIPE PRODUCTS™

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INPIPE PRODUCTS™ is an acknowledged world leader in the design, manufacture, supply and hire/rental of pipeline pigging, maintenance and testing products for over 30 years.

INPIPE PRODUCTS™ prides itself on innovation, quality and JIT delivery. Operating in the oil and gas, petrochemical, power generation, mining, nuclear, water and food processing industries, the company offers innovative easy to use tools intrinsically safe in design with low-cost time-saving solutions.

INPIPE HIRE™ offers one of the largest worldwide hire fleets of isolation tools, high pressure plugs and internal and flange type weld testers up to 42". The company has an extensive range of simple, easy to use tools for

pipeline testing and isolation which provide a priceless solution.

The company can also support fast pigging mobilisation requirements with a range of pigs, launchers and receivers. Pig tracking and pig location equipment completes the full turn key for immediate dispatch to anywhere in the world.

Johnson Matthey

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Tracerco's field proven Discovery™ is a Subsea CT Scanner that allows the non-intrusive inspection of coated pipelines. Discovery™ scans through coatings and provides a high resolution image of pipeline contents and pipe wall thickness, enabling pipeline integrity flaws and flow assurance conditions to be accurately visualised in real-time.

Tracerco Explorer™ for Flow Assurance provides pipeline operators with a reliable screening service to determine the location of deposition build-up for further investigation. Explorer™ unique technology allows many kilometres of subsea pipeline to be quickly scanned, enabling the location of deposits causing flow abnormalities to be easily identified.

Tracerco's radioisotope pig tracking systems provide safe, fast, reliable and accurate subsea pig tracking. This allows tracking of pig positioning and pig location.

Kleiss & Co bv

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Kleiss & Co has manufactured and distributed pipeline equipment since 1967. The company provides in-house design, engineering, manufacturing and testing of pipeline pigs for all purposes, from 1" up to 100" and from soft foam up to sophisticated tools for cleaning. CAD facilities, computer and climate controlled manufacturing and process equipment, test facilities guarantee constant quality.

The company provides soft, medium and high density foam pigs, cup pigs, bidirectional pigs, flexible pigs, gauging pigs, brush pigs, magnetic pigs, pipeline spheres, FDA pigs for food and cosmetics, pencil brushes, polyurethane, neoprene, nitril, viton, EPDM and silicone pigs. Kleiss also supplies pig locating equipment, pig signalers, high friction pigs and ancillary materials for pipeline repair, coating, maintenance and installation.



**FREE TECHNICAL
information service**

Email: ppsa@ppsa-online.com

Use our service to source pigs and pigging equipment and for general advice on the subject.

Our members and technical advisers are on hand to answer your questions about pigging and pipeline integrity.

Knapp Polly Pig Inc

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Knapp Polly Pig Inc., the original manufacturer of the Polly Pig, has been manufacturing pipeline cleaners for over 55 years. The company's product lines, in addition to a full line of urethane foam pigs, include urethane cups (conical and scraper), discs, spheres, and several all-urethane pig designs such as the Nova-cast™, Ultra-Seal™, NOVA™, Polly Tri-Cup™, SUD pig, Ultra-Cast™, Polly-Cast™, Foam Disc, Hand-Launch™, Blackbelt™ and K-Disc™. Knapp also supplies steel mandrel assemblies.

Knapp serves the oil & gas, water & wastewater, chemical & food processing sectors of the piping industry. The company specialises in custom designs and materials to suit all applications. Products are available to be used in adverse cleaning situations, pipe size reductions, long distance pig runs, sour gas lines (with H₂S present), automatic pigging operations and other special procedures. The products are available in sizes up to 90 inch, and the company offers assistance to pipeline operators in optimising the cost and efficiency of pigging by analysing their current pigging procedures and making recommendations on improvements.

KTN AS

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KTN AS is a technology company specialized in condition assessments and periodic maintenance of oil and gas pipelines offshore and onshore internationally. KTN is specially well known for their self propelled BiDi tethered tool inspection technology for challenging pipelines. Their key people have approximately 25 years experience each.

Different types of measuring technologies are offered: Ultrasonic wall thickness and crack measurement, (angular beam pulse echo, PA and TOFD, eddy current and others).

All diameter ≥6" and up to 12km in length are inspectable (4" 2018).

The technology is under a constant development and every year new type of solutions and applications can be offered to the market.

Intelligent Solutions – Inspection of non-piggable pipelines by use of tethered tool technology.

Limpro Nacional, SA de CV

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Limpro Nacional, SA de CV is an ISO 9001:2008 certified company and began manufacturing urethane products in 1987.

Limpro manufactures a full range (2" to 48") of foam pigs, steel mandrel pigs, pencil and flat wire and round steel brushes, urethane cups and discs and solid cast pigs for cleaning, batching and gauging with different configurations for regular and special operations. Replacement parts fit most available pigs in the market.

Limpro also performs complete pigging projects including cleaning, batching, dewatering, pig tracking and complete geometry pig services.

Limpro designs and manufactures special pigs to solve specific problems under special conditions and Limpro also offers pigging related equipment and components such as: tracking equipment, and pig detectors.

LIN SCAN Advanced Pipeline & Tank Services

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LIN SCAN has been serving the oil and gas industry worldwide providing in-line inspection and integrity support services since 2001.

LIN SCAN certifications include ISO 9001:2008, OHSAS 18001:2007, ISO 14001:2004, TS/29001:2007, API Q1, 94/9/EC ATEX Directive, GOST R and CE Marking.

LIN SCAN's core activities include: In-line Inspection services using MFL, TFI, Caliper/Geometry & UT technology.

Services including pipeline cleaning, gauging, removing dust (black powder) using cyclones, removing wax, pigging solutions for "un-piggable" pipelines, speed reduction.

Supply of pig traps, cleaning pigs & accessories. Pipeline repair services Integrity management support services including FFP, RRR reports. Project management and field execution carried out by professionals certified as per API 1163.

LTS, LLC

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LTS, based in Houston, Texas, was established in 1992 and is one of the world leaders in the design and manufacture of engineered solutions for high pressure pigging systems through 20,000psi used onshore and offshore and ultra deep applications. LTS has over 200 HP/HT systems installed around the world and represents 80% of all major GOM high pressure deepwater projects, and is a leader in the industry in pressure classes of 10,000psi and above.

LTS offers their own ClampTec® Closures, integrated barrel fabrication and supply, pigging valves and complete skid packages ranging from 6" through API 60" and through 20,000psi design pressures, used for onshore, offshore and subsea applications through 10,000ft water depths.

LTS Engineering Services include full R&D, FEED, design and detailed engineering featuring 3D solid modeling, piping and structural analysis as well as FEA to assist international operators and consulting engineers worldwide.

NDT Global GmbH & Co. KG

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NDT Global is a leading supplier of ultrasonic pipeline inspection and pipeline integrity management. Its state-of-the-art inspection fleet provides the entire inline inspection service spectrum for onshore and offshore pipelines worldwide. First run success, best data quality and rapid report delivery are our key benchmarks. A skilled engineering and project management team, complemented by one of the best data analysis teams in the industry, has inspected and analyzed millions of kilometers of pipelines worldwide. The company has offices in Canada, Germany, Ireland, Malaysia, Mexico, Russia, Singapore, Spain, UAE, UK and USA.

National Oilwell Varco (NOV)

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With over 65 years of manufacturing closures, as well as providing valves and pumps for the midstream industry, NOV has become an industry leader. Their Midstream division is a leading provider of API 6D valves, ASME "U" stamped quick opening closures and pumps for LACT units to the oil and gas industry. Their products are used throughout the global midstream distribution and transmission markets. These products include their gate valves, ball valves, plug valves, check valves, threaded closure, internal door closures, clamp style closures and progressing cavity pumps. It is their goal to provide safe, quality and reliable products to their customers.

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Netherlocks supplies safety products for the oil & gas industry. Their products are used by most of the major end users in the sector to help create a safer working environment. Netherlocks are market leaders in mechanical interlocks and also manufacture several other safety products.

Pigging is one of the main applications for safety interlocks. As part of an interlocking sequence, locks on the closure and different valves, prevent opening the door when it is unsafe. All critical valves can only be operated when the closure is fully closed and locked.

A pigging operation is recognized as highly dangerous and even deadly. Locking systems are recommended to avoid human error and, subsequently, dangerous incidents.

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Oceaneering Asset Integrity AS, is a subsidiary of Oceaneering International which is a global oilfield provider of engineered services and products, primarily to the offshore oil and gas industry, with a focus on deep water applications.

Oceaneering Asset Integrity offers the industry in house developed ultrasonic technologies for external inspection of subsea pipelines and structures. Recent product developments, includes EMAT and subsea digital radiography applications for deep water assets.

Oceaneering Asset Integrity AS also provides the market with tailor made inspection solutions for both piggable

and un-piggable pipelines, rigid and flexible pipelines using high resolution ultrasonic scanners and self-propelled pigs. Core inspection applications are based on advanced ultrasonic and visual instrumentation.

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Oil Gas & Power have been involved in pipeline cleaning and equipment supply since the 1980s. For many years they have been cleaning water and oil pipelines in the Italian market and now they are also represented and qualified worldwide. They also develop and design pig handling trolleys and traps. They are able to supply at short notice and at very competitive prices due to the quantity manufactured.

3P Services GmbH & Co KG

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In-Line inspection using High Resolution MFL (Magnetic Flux Leakage), GEO (geometric), DMR (Direct Magnetic Response), XYZ (inertial mapping), SRD (Short Range Distance) and UT (ultrasonic). 3P Services fleet includes more than 300 "live" ILI tools ranging from 2" to 48". There are tools for conventional (free swimming), for bi-directional (pump-in/pump-out), and pull through (tethered) operation. Dual diameter, multi-diameter and combo tools are available on request. Customer applications to inspect pipelines that are considered "difficult to pig" or even "unpiggable" are a speciality of the company.

3P Services provides associated services including feasibility studies, corrosion growth studies of previous inspected pipelines, cleaning, geometric inspection, post-inspection support. The company was founded in 1992, is privately owned and based in the oil fields of NW-Germany.

PBJV Group Sdn Bhd

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Established in 2000, PBJV Group Sdn Bhd carries the Petronas Vendor Development Program award for "precommissioning, commissioning and decommissioning of the pipeline upstream sector", the only such service in Malaysia.

With continuous development of technical personnel and investment on technology equipment and strategic assets, PBJV is set to be an established player in offshore installation contract and pipeline, construction and maintenance activities both locally and internationally.

PBJV has expanded its business to include offshore pipe laying works, fabrication and constructions, repair and maintenance of pipelines and topsides and hook up services.

PBJV has its own 137m mid shallow water pipelay barge to undertake bigger offshore pipe laying activities.

PBJV's business also provides a full spectrum of an EPCC / EPIC services to clients, positioning them to be a "one stop" centre for installation and transportation of pipeline related services.

Penspen

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E-mail: Newcastle@penspen.com
www: penspen.com/
Contact: Graham Ballantyne (Newcastle)
Tel: +44 191 260 6236
Contact: Ali Alani (Abu Dhabi)
Tel: +971 2 6792526
Contact: Houston/Mexico
Tel: +1 713 402 8120

Penspen provides pipeline and pigging technical consultancy services and project management, a focussed capability on integrity management and risk assessment of onshore and offshore pipelines. Penspen is independent of construction and ILL vendors and provides best practice advice and solutions to pipeline operators, onshore & offshore.

Pigging services: Inspection consultancy including: inspection needs assessment; pre commissioning, de-commissioning strategies, engineering assessment; design and remedial works; pig design and specification; tendering; contract management and operational supervision.

Integrity services: Integrity assessment; dig verification; repair and rehabilitation, pipeline integrity management systems; risk, reliability and RBI; assessment of geohazards; Pipeline Defect Assessment Manual (PDAM); FEA, fracture and fatigue; specialist training.

Penspen has 70 technical specialists experienced in operations, fieldwork and integrity assessment.

The Penspen Group is an established international engineering company providing; pipeline routing and design consultancy; construction support; asset management and O&M services.

Pigs Unlimited International, Inc

23802 FM 2978, Suite C-1, Tomball, Texas 77375, USA
Tel: +1 281 351 2749 or 800 578 7436
Fax: +1 281 351 4658
E-mail: sales@pigsunlimited.com
www: pigsunlimited.com
Contacts (PPSA & Sales): Allen Pennington and John Pennington

Pigs Unlimited International, Inc. supplies pipeline pigs, pigging components and equipment, and provides consultancy services. Its manufacturing division produces a full line of pigs from 1/2"-96" including foam pigs, steel mandrel pigs (cup, disc, brush, blade), and solid cast pigs (sphere, cup, disc). These pigs are utilized for various functions including drying, batching, cleaning, dewatering and displacement. It also offers pigging related components and equipment, including launchers, receivers, pig detectors, trackers, pigging valves, diverters, and closures.

It also offers customer designed classes for educating clients and employees that may be new to pigging operations, or are needing to implement new pigging programs.

BUYERS' GUIDE

Note: Inspection companies can generally arrange for the pipeline to be cleaned/prepared prior to inspection.

- Manufacturer and/or Service Company
- ▲ Distributor

	A.Hak Industrial Services BV	Alchemy Oilfield Services Ltd	Apache Pipeline Products	Applus RTD	Aubin Group	BG Technical Ltd	Baker Hughes Process & Pipeline Services	CDI	CDRIA Pipeline Services Ltd	CEPS a.s.	China Petroleum Pipeline Inspection	DSV Pipetronix Limited	Dacon Inspection Services Co. Ltd	Enduro Pipeline Services, Inc	Entegra LLP	Eureka Erefit Sdn Bhd	GD Engineering	GOTTSBERG Leak Detection GmbH & Co KG	Girard Industries	Gulf Petrochemical Services & Trading LLC	Halfwave AS	Halliburton (Pipeline & Process Services)	I2I Pipelines Ltd	IK-Group	IKM Testing AS	In-Line Piggig Solutions Ltd	Inline Services Inc	iNPIPE PRODUCTS™	Johnson Matthey	Kleiss & Co. bv	Knapp Polly Pig Inc	KTN AS	Limpro Nacional, SA de CV	LIN SCAN Advanced Pipeline & Tank Services	LTS, LLC	NDT Global GmbH & Co. KG	Netherlocks Safety Systems BV	Oceaneering Asset Integrity AS							
INDUSTRIAL PIGGING	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●				
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IN LINE INSPECTION SERVICES	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
PIPELINE PIGGING SERVICES	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
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PIPELINE PIGS	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

FREE TECHNICAL INFORMATION SERVICE
 Contact our members and panel of advisers to answer your questions about pigging and pipeline integrity at:
ppsa@ppsa-online.com

	Oil Gas & Power Italia S.R.L.	3P Services GmbH & Co KG	PBJV Group Sdn Bhd	Penspen	Pigs Unlimited International, Inc	Pigtek Limited	PII Pipeline Solutions	Pipeline Cleaners Inc	Pipeline Engineering & Supply Co. Limited	Pipeline Innovations Ltd	Pipeline Piggig Products Inc	Pipeline Services LLC (PLS)	Pipesurvey International CV	Pipetech Corporation Ltd	PSI – Pipeline Services International GmbH & Co KG	PT. TonSCO International	Q-Inline	Quest Integrity Group, LLC	RAS Rohrleitungs- und AnlagenService GmbH	Reinhardt Hydrocleaning SA	Ronstar Sdn Bhd	ROSEN Group	ROUGE Pipeline & Process Services LLC	Sriram Foams (P) Ltd	STATS Group	T. D. Williamson	Tianjin Greensting Pipeline Technology Co., Ltd.	Topline Limited	Trans Asia Pipeline & Specialty Services	"Transneft-Diascan", JSC	TRAPIL	Tulsa Valve	Vee Kay Vikram & Co. LLP	VP Engineers	WSG Industrial Services b.v.	WeidFit Corporation									
INDUSTRIAL PIGGING	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●			
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PIPELINE PIGGING COMPONENTS AND EQUIPMENT	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
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BUYERS' GUIDE

www.ppsa-online.com

Pigtek Limited

Unit 2, Langham Park, Mansfield Road, Corbriggs,
Chesterfield, Derbyshire, S41 0GG, UK

Tel: +44 1246 850220 **Fax:** +44 1246 856191

E-mail: sales@pigtek.com www.pigtek.com

Contacts (PPSA): Ralph Hyslop & Richard Kershaw

Contacts (Sales): Ralph Hyslop & Richard Kershaw

Pigtek design and supply specialist high performance pigging equipment and services for applications where proprietary "off the shelf" equipment will not perform efficiently.

Pigtek products and services have evolved from years of on-site international pigging experience.

Products are available on a sale or hire basis and include: dual/multi diameter pigs, heavy-duty magnetic cleaning pigs, heavy duty brush pigs, HDR de-scaling pigs, advanced by-pass pigs, pig tracking and location equipment.

On-site services include pipeline proving and gauging, advanced pipeline cleaning for flow improvement, pre-inspection proving and cleaning, pig tracking, stuck/lost pig location / removal, training / supervision during pigging operations.

Development services include specialist pig design, pig verification trials, feasibility studies, developing pigging procedures. Full technical support is assured and Pigtek are certified to ISO 9001:2008.

PII Pipeline Solutions, a GE Oil & Gas and Al Shaheen joint venture

Global Headquarters

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E-mail: Christopher.Hallam@bhge.com

Contact: Chris Hallam (Regional Sales Leader)

PII Pipeline Solutions is one of the industry leaders in inspection and integrity services for gas and liquid pipelines in every known environment and operating condition. From in-line inspection and integrity engineering, to revolutionary services such as UltraScan™ Duo for crack assessment and SmartScan™ for unpiggable pipelines, and powerful data management tools, they provide the comprehensive technologies, skills and experience needed to confidently determine the present and future condition of a pipeline. Their solutions go beyond defect detection to proactive risk assessment and threat management to maintain a balance of safety and productivity while helping pipeline operators meet stringent regulations. PII Pipeline Solutions operates globally as a joint venture between GE Oil & Gas and Al Shaheen Holdings, a wholly owned subsidiary of Qatar Petroleum.

Pipeline Cleaners Inc

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IA 52627, USA

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E-mail: tvanaken@plcpigs.com www.plcpigs.com

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Contact (Sales): Bob Doty (Sales Manager)
bdoty@plcpigs.com

Contact (Sales): Heath Hawthorne (Outside Sales)
sales@plcpigs.com

Pipeline Cleaners began over 125 years ago as a boiler and flue brush manufacturer. Through the pursuit of new markets, the company evolved in to the pipeline industry. Today, with more than 80 years of experience in making brushes and steel mandrel bodies for the pipeline pigging industry, Pipeline Cleaners is well known as a leader in both industries. PLC continues to strive to improve quality and efficiency. PLC now has two fully automated pipeline brush machines. Steel mandrel pigs can be custom built to meet or exceed customers' requirements.

Pipeline Engineering & Supply Co. Limited

Headquarters:

Gatherley Road, Catterick Bridge, Richmond,
North Yorkshire DL10 7JQ, UK

Tel: +44 1748 813000 Fax: +44 1748 813501

E-mail: PEsales@circor.com www.circorenergy.com

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Middle East Office:

Tel: 971 4 8866128 Fax: +971 4 8866129

Email: PEsales@circor.com

Far East Office:

Tel: +65 6692 9238

Email: PEsales@circor.com

Pipeline Engineering, a Circor Energy Company, designs, tests and manufactures pipeline pigging and flow assurance products and provides pipeline, engineering and project management services.

Pipeline Engineering supplies a full range of pipeline pigging tools, pipeline spheres, pig launchers and pig receivers, quick opening closures and pig signallers. Pipeline Engineering also designs and produces bespoke client specific polyurethane products. With fabrication, machining, polyurethane moulding and testing facilities, Pipeline Engineering provides a turnkey service for clients.

Industries serviced include oil, gas, process and renewables, where a strong reputation has been built for quality, expertise and providing project specific and innovative product and service solutions.

Pipeline Engineering is an ISO/TS 29001, ISO 9001, ISO 14001 and BH OHSAS 18001 registered company.



Pipeline Innovations Ltd

Unit 13E, Atley Way, North Nelson Industrial Estate,
Cramlington, Northumberland, NE23 1WA, UK

Tel: +44 1670 618861

E-mail: info@pipeinn.com

www.Pipeline-Innovations.com

Contact (PPSA & Sales): Peter Ward

Pipeline Innovations Ltd (PIL) offers a range of multi-channel caliper pigs to support pipeline construction, commissioning and cleaning operations around the world. In addition to their standard product types, PIL specialise in the supply of caliper and electronic gauging pigs for commissioning of deep and shallow water subsea pipelines. A recent development is a foam caliper pig, which is intended for use as a bore proving tool for 'unpiggable' pipelines and for the measurement of scale and wax deposits in operational pipelines. Whilst the multi-channel caliper is their main product line, they also offer a subsea digital pressure gauge for monitoring and logging hydrotest operations on subsea pipelines.

Pipeline Pigging Products Inc

PO Box 692005, Houston, Texas 77269, USA

11238 Timber Tech Ave. Tomball, TX 77375, USA

Tel: +1 281 351 6688, (800) 242 7997 (US)

Fax: +1 281 255 2385

E-mail: shannonkerr@pipepigs.com

www.pipepigs.com

Contact (PPSA & Sales): Shannon Kerr,
Spencer Cubage

Pipeline Pigging Products Inc, a company with over sixty years of combined pig manufacturing experience, offers a full line of flexible polyurethane foam pigs, commonly known to the trade as "poly pigs". Available in drying, wiping and scraping types for pipe sizes below 2" to over 78" in diameter.

The company also has a pipeline cleaning division, Flowmore Services. This group which was founded in 1977, provides PPP customers with the technical "know-how" to use their pipeline cleaning products properly. In addition, Flowmore provides constant product feedback to the manufacturing group in order to ensure the products meet the tough needs of the pipeline cleaning industry.

Pipeline Services LLC (PLS)

PO Box 4500, Abu Dhabi, United Arab Emirates
Tel: +971 2 555 45 13 **Fax:** +971 2 555 39 93
E-mail: mail@pls.ae
Contact (PPSA & Sales): Patrick Hivert and
Mohamed Habbouly

Founded in 1960 and established in the United Arab Emirates in 1979, Pipeline Services LLC (PLS) has an in-depth knowledge of the performance requirements set by the regional oil and gas operating companies and EPC contractors. The expertise, resources and professionalism of their engineers and technicians provides efficient performance in all areas. Completing projects on time to the entire satisfaction of their customers is a key strength.

Pipeline Services LLC (PLS) expertise and package services covers: Pipeline pre-commissioning, commissioning, decommissioning, rehabilitation, hot tapping & stoppling; Cathodic protection systems including designs and engineering, procurement and installation, commissioning, surveys, external coating defects assessment, maintenance and rehabilitation; GRE/GRV/GRP piping systems including stress analysis, shop fabrication, field installation, pipe system repairs, retrofit, rehabilitation and reinforcement.

Pipesurvey International CV

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Tel: +31 78 610 1428 **Fax:** +31 78 610 2128
E-mail: info@pipesurveyinternational.com
www.pipesurveyinternational.com
Contact (PPSA): Peter van Beugen
Contact (Sales): Ralph van Wijgerden

Pipesurvey International is a service provider for pipeline inspection, intelligent pigging and pipeline integrity. From the start, Pipesurvey International tools are designed to offer solutions for piggable and non-piggable pipelines, such as reverse-flow operation, multi-diameter pigging, pigging at low pressure and flow or using active speed control in high flow gas pipelines.

The small to medium sized company is customer-oriented, flexible and innovative and has gained thousands of kilometres experience on a global basis, both onshore and offshore.

Pipesurvey International has developed propriety technique for pipeline inspection, ranging 3" up to 56",

including Geometry, XYZ, MFL, TFI, camera, UT, robotic inspection, Datsurvey ® software, defect assessment, Fitness-for-Purpose and Risk-based Assessment, engineering and consultancy, as well as specialized pipeline cleaning.

Pipetech Corporation Ltd

3311-114 Avenue SE, Calgary, AB T2Z 3X2, Canada
Tel: +1 403 287 3558 **Fax:** +1 403 243 6279
www.pipetechcorp.com
Contact (PPSA & Sales): Terry Lotwin
terry@pipetechcorp.com

Pipetech has built a reputation around the world for helping companies maintain the integrity of their pipeline assets. Every pipeline system has its challenges and Pipetech's pigging programs are designed to ensure the integrity of pipelines while optimizing flow rates

Tasks from maintenance and heavy solids removal to preparation & implementation of corrosion inhibitor chemical in virtually any pipeline are accomplished with a line of industry-leading pigging products with superior sealing and scraping properties. Pig Signallers, pig location and tracking equipment, transmitters, meter prover spheres and pig valves round out their pigging product offering.

Their years of experience, deep expertise and quality products help ensure the safe operation of pipelines and the safe-keeping of communities.

PSI – Pipeline Services International GmbH & Co KG

Thyssenstr. 2, 49744 Geeste-Dalum, Germany
Tel: +49 5937 980908 215
Fax: +49 5937 980908 190
Mobile: +49 171 387 9201
E-mail: m.strohecker@pressuretest.de
www.pressuretest.de
Contact (PPSA & Sales): Michael Strohecker

PSI – Pipeline Services International, provides special services for pipeline pre-commissioning, rehabilitation and pipeline inspection. Pipeline inspection is a part of PSI, which uses its own fleet of single, and the new multi-channel caliper tools for baseline surveys, passage control for third party intelligent inspection tools and the usual inspection of deformation of the inner diameter of pipelines. The advantage of the new

multi-channel system is to give additional information about the o'clock position and the shape of the detected indication.

PSI also provides the following services: hydrostatic testing by water, air or gas; chemical/mechanical cleaning; pipeline drying by air, nitrogen, or vacuum; intelligent pigging; leak detection; construction/sale of pigs; supervision of all above mentioned services.

PT. Tonsco International

Jl. Karang Tengah Raya Rukan Bona Indah Business Centre No.8J, RT.1/RW.3, Lebak Bulus, Cilandak, Kota Jakarta Selatan, DKI Jakarta 12440, Indonesia

Tel: +62-21 29237053 Fax: +62-21 29237051

E-mail: sales@tonscoindo.com www.tonscoindo.com

Contact (PPSA & Sales): Mr Lilis Munfa'adi

PT. Tonsco International is a leader in pipeline pigging solutions including pre-commissioning, commissioning, decommissioning, chemical cleaning, umbilical and flow assurance services to the pipeline, construction and process system industries both onshore and offshore services in Indonesia.

Below are included but not limited to PT. Tonsco International capabilities: Pipeline cleaning and intelligent pigging services; EPCI (fabrication, maintenance, installation); Services (Pre commissioning, diving, cold cutting, welding habitat, tightening and tensioning, sub sea tensioning); Rentals (welding machine, compressor, Iso tank, evaporator, heavy equipment, diving equipment).

Q-Inline

14411 West Road, Houston, Texas 77041, USA

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E-mail: stephanie.allen@q-inline.com

www.q-inline.com

Contact (PPSA): Stephanie Allen

Q-Inline is a full service inline inspection company which currently provides deformation and MFL inspection services for diameter sizes from 6 through 32 inch. The MFL tools have tri-axial sensors and can be combined with deformation tools and an IMU to provide a full combo tool inspection. In addition, Q-Inline can provide turnkey services for pipeline cleaning, waste disposal, temporary launchers/receivers, full in-house tethered services, crane truck, sub centimeter GPS survey and tracking. Q-Inline is

capable of customizing its analysis as well as provide enhanced analysis reporting, dent and bend strain analysis and run to run comparisons. Q-Inline is capable of reviewing difficult to inspect features by using pipe samples at its pull test/flow loop facility in La Grange, Texas, USA.

Quest Integrity Group, LLC

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Asia-Pacific

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www.QuestIntegrity.com

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sales@questintegrity.com

Quest Integrity, a Team Industrial Services company, is a global leader in the development and delivery of asset integrity and reliability management services. The company's integrated solutions consist of technology-enabled, advanced inspection and engineering assessment services and products that help organizations in the pipeline, refining, chemical, syngas and power industries improve operational planning, increase profitability, and reduce operational and safety risks. Quest Integrity is headquartered in Seattle, Washington, USA.



Visit PPSA's Web Site
www.ppsa-online.com

for more information and
Hyperlinks to Members'
Web Sites

RAS Rohrleitungs- und AnlagenService GmbH

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E-mail: info@ras-pipeline.de
www.ras-pipeline.de

Contact (PPSA & Sales): Daniel Benscheidt
Tel: +49 5931 98 50 24
d.benscheidt@ras-pipeline.de
Mobile: +49 170 540 79 42

RAS Rohrleitungs- und AnlagenService GmbH provides globally pre-commissioning, rehabilitation as well as de-commissioning services on- and offshore. Representing almost 25 years of experience the service range includes pipeline cleaning, testing with liquid or gaseous mediums, drying with air, nitrogen or vacuum, inerting etc. and pigging for multiple applications such as cleaning, batching, leak detection and caliper pigging.

Since early 2011 RAS has provided pipeline inspection by means of its own GPI-tool, providing true multi-channel measurement, XYZ-mapping etc.

RAS was founded in 1992, has 60 employees and is certified in accordance to ISO9001:2008, ISO14001:2004, BS OHSAS18001:2007 and SCCP by Det Norske Veritas.

Reinhart Hydrocleaning SA

Rue de la Croix 29-31, P.O. Box 31, CH-2822
Courroux, Switzerland
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www.rhc-sa.ch

Contact (PPSA): Robert Reinhart
E-mail: rbr@rhc-sa.ch

Contact (Sales): Giacomo Reinhart
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Pipecleaning family-company since 1952, offshore since 1996. They have 20 employees with own devices manufacture and testing facilities.

Romstar Sdn Bhd

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E-mail: romstar@romstargroup.com
www.romstargroup.com

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Contact (Sales): Goh Kha Chai,
General Manager Pipeline Division
khachai.goh@romstargroup.com

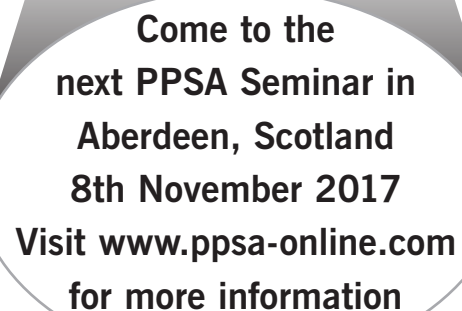
Contact (Sales): Baharom Hamzah,
Group Managing Director
baharom.hamzah@romstargroup.com

Contact (Sales): Adam Harith Baharom, Group General
Manager Business Development
adam.baharom@romstargroup.com

Romstar offers a full range of pipeline related services, from standard pre-inspection related services-cleaning, gauging, enhanced cleaning (for more difficult lines), to high resolution inspection services deploying intelligent pigs to measure metal loss, internal and external corrosion, coating loss, mechanical deformations and many other features without interrupting the pipeline transportation process.

Romstar possess in-house research and development capabilities and develops its own data interpretation software known as ROMSOFT which is capable of producing pipeline integrity reports for clients with precision and accuracy.

Romstar manufactures the entire range of cleaning pigs and other polyurethane products through its Polymer Division.



**Come to the
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Aberdeen, Scotland
8th November 2017
Visit www.ppsa-online.com
for more information**

ROSEN Group

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www.rosen-group.com

ROSEN is a leading privately owned company that operates in more than 120 countries with over 2,500 employees. They are a worldwide provider of cutting-edge solutions in all areas of the integrity process chain suiting a wide range of industries: Oil & Gas, Energy, Process, Mining, Manufacturing, Telecommunications and Transportation for a wide range of assets.

For more information about the ROSEN Group, please go to www.rosen-group.com.

ROSEN offers: Pipeline cleaning tools, accessories, in-line inspection, high-resolution geometry inspection, XYZ mapping, high-resolution metal loss inspection utilizing magnetic flux leakage, ultrasound and eddy current technologies, EMAT crack and coating disbondment detection, Ultrasonic crack detection, multi-diameter and robotic pipeline inspection, leak detection, video inspection, inspection of plant and terminals, coiled tubing, flow and gathering lines, integrity management software, engineering & consultancy, inspection solutions, integrity solutions, R&D solutions, product solutions.

ROUGE Pipeline & Process Services LLC

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www.Rougepipeline.com

Contact (PPSA & Sales): Mr. Rami Nasrallah

ROUGE Pipeline & Process Services provides integrated pipeline and tank services. From their HQ in Dubai they serve Middle East and Africa regions and they are expanding globally.

Their services include but are not limited to: Oil and gas pipeline pre-commissioning, onshore and offshore (flooding, cleaning, gauging, caliper survey, hydro testing, dewatering and drying); Pipeline, re-, de- and commissioning; Chemical cleaning, process plant and top side; Leak testing, nitrogen – helium, process plant and top side; Nitrogen purging, mothballing and

preservation; Pipeline and tank maintenance and rehabilitation, defects assessments; Pipeline integrity management, MFL and UT inspection; Media filtration, flushing of lube oil and hydraulic oil systems; Acid pickling and passivation of stainless steel vessels; Supply of manpower, (project management, start up team / commissioning, construction – plant /top side – scaffolders, welders, pipe fitters, E & I specialist etc.)

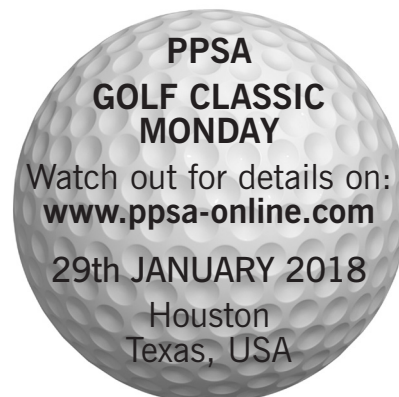
Sriram Foams (P) Ltd

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Tel: +91-44-42666618

E-mail: muthukumar@sriramfoams.com
www.piganomics.com

Sriram Foams Private Limited established in the year 1999 is an ISO 9001 – 2008 company accredited by Vincotte Belgium. They have been manufacturing various types of polyurethane products for the past 15 years. They specialize in developing and producing all types of pipeline cleaning pigs. They have wide experience in making PU foam pigs in various densities and also mandrel pigs like batching pigs, bi directional pigs PU elastomer cups, discs, magnets, brushes (circular or spring loaded brushes). A high-quality work team with professional engineers, ample equipment, united workers and scientific management won a reputation for their pipe cleaning equipment. "Customer Satisfaction" based on excellent ability of quality, sales after service and innovation.



STATS Group

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Contact: Gareth Campbell, Regional Sales Manager,
Asia Pacific

STATS Group are market leaders in the supply of pressurised pipeline isolation, hot tapping and plugging services to the global oil, gas and petrochemical industries. STATS DNV GL type approved isolation tools provide leak-tight double block and bleed isolation that enables safe and efficient maintenance and repair of onshore, topsides and subsea pipeline infrastructure.

Their Process Plant Solutions offer hot-work barriers and localised hydrostatic test tools to verifying the integrity of welds or fittings, reducing system downtime, minimising environmental impact and increasing work-site safety. Mechanical pipe connectors replace the need for welding, significantly reducing expenditure and associated risks with hot-work.

T. D. Williamson

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Europe / Africa / Middle East

Tel: +32 67 28 3611

Asia Pacific

Tel: +65 6364 8520

Offshore Services

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Drawing upon a 96-year history of industry leadership, TDW is a global solutions provider for the owners and operators of pressurised pipelines. TDW delivers a comprehensive portfolio of solutions for onshore and offshore applications, including: Pipeline cleaning; Pigging; Integrity inspection; Non-destructive evaluation; Hot tapping; Intrusive and non-intrusive isolation.

Tianjin Greentsing Pipeline Technology Co.,Ltd.

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Tianjin Greentsing Pipeline Technology Co., Ltd. (hereinafter referred to as GTPT) was founded in 2004, which is located in Jingbin Industrial Park, Tianjin, China. GTPT is a national high technology company, which is based on manufacturing pigging equipment, pipeline inspection and maintenance and repair equipment. Meanwhile, the research, manufacturing, trading and engineering and technical services are integrated.

GTPT is specialized in manufacturing the pipeline pigging equipment, inspector, hot-tapping and plugging devices, automatic tank cleaning equipment and the corresponding spare parts. Also, GTPT can provide the engineering and technical service including pipeline installation, changing, pigging, drying, inspection of inside and outside the pipeline, hot-tapping and pigging for nonstop transmission pipeline and oil tank mechanical cleaning.

Topline Limited

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Topline Limited, established in 1982, provides pipeline cleaning, pipeline descaling, pipeline integrity surveys and inspection, cathodic protection, pipeline coating, valve maintenance and replacements, manifold maintenance, GRE piping and pumping services in the oil and gas industry.

The company has a team of Nigerian and expatriate engineers with several years of international and local experience. Topline also has a relationship with Weatherford Pipeline and Specialty Services TAPECOAT Inc., USA, and VAL-TEX Houston, USA for the provision of pipeline and valve integrity management planning and related services.

Trans Asia Pipeline & Specialty Services

Middle East and North Africa

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Trans Asia Pipeline & Specialty Services Pte Ltd East Asia & Australia

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Contact: Sachin Sanghai, CEO
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Trans-Asia Pipeline Services, headquartered in United Arab Emirates, is a leading provider of pipeline and process services to the oil, gas and petrochemical industry. Established in the United Arab Emirates in 2001, the company now has over 300 employees working in 12 countries providing a variety of pipeline and process pre-commissioning and commissioning services for the oil and gas industry. Since their inception in 2001 they have successfully executed a number of projects for some renowned oil companies and EPC contractors through their offices in the Middle East, South East Asia and Indian Subcontinent.

“Transneft Diascan”, JSC

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Contact: Sergey V Ermish, General Director

Transneft Diascan was formed in 1991 and currently inspects an average of 40,000km of pipelines each year.

The company's inspection tools detect and size defects with high accuracy and applicable software calculates strength and durability of pipes with defects.

Transneft Diascan has its own test loops with both artificial defects and spools with defects taken from live pipelines. This allows it to develop its own in-line inspection tools and to enhance data analysis methods. A hydraulic facility enables the company to calculate strength and operating life by pressurization and bending tests.

Transneft Diascan also provides the following services: visual measurement testing, ultrasonic thickness measurement, acoustic emission inspection, ultrasonic flaw detection of welds and X-ray inspection of welded seams.

TRAPIL

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TRAPIL was established in 1950 and is the oldest and largest refined products pipeline operator in Europe. Operations include Le Havre/Paris pipeline system and many other civil and military networks throughout France. It represents some 4800 km of pipeline and 160 pumping and delivery stations. There are also more than 850 000 cubic meters of storage tanks.

To monitor and maintain the integrity of this pipeline network, TRAPIL has developed a range of instrumented pigs and other specific products. This combination of operational experience and instrumented pig applications enables TRAPIL to provide solutions to many pipeline inspections and leak detection/location problems.

The services provided include acoustic measurement for leak detection and ultrasonic pigging for metal loss features, corrosion and geometric anomalies detection.

Tulsa Valve

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www.tulsavalve.com

Contact (PPSA): Bob Gibson

Contact (Sales): Gayla Logan or Greg Johnson

Tulsa Valve has been manufacturing and delivering pigging valves globally since 1996. Both the Shut-off and By-pass designs have evolved to serve today's pipeline customers. Sizes 2"-16" in A350 LF2 NACE are standard with larger sizes and material options available upon request. Estimated saving in costs and footprint requirements are estimated to be 25-60% over traditional barrel and trap systems. The By-pass pig valve provides the smallest footprint and has often been preferred in offshore applications where space is severely limited.

Vee Kay Vikram & Co. LLP

VKVC, "VKV House", 'D' Shivalik Business Center, Opp. Golf Academy, Rajpath Club X- Road, S.G. Highway, Ahmedabad – 380 054, Gujarat, India

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Vee Kay Vikram & Co was established in 1969, is accredited to ISO9001:2000. VKVC manufactures pig barrels, quick opening closures, flow tees, pig wyes, tees, online leak repair clamps, pin hole repair clamps, reinforcement epoxy grout sleeves, insulation joints, pipeline connectors and pig indicators.

VKVC quick opening closures and leak repair clamps are offered with API-6H Monogram under license number 6H-0012. The closures are also available with ASME 'U' STAMP and are supplied with complete cladding.

VKVC pig launching and receiving valves are offered with API-6D Monogram under license number 6D-0622.

VKVC also manufactures various types of pipeline pigs up to 56". NB: size, including Bi Di, spherical, commissioning and special purpose pigs.

VKVC offers pig tracking services and is authorized sales & service distributor for CDI – USA Pig Tracking Equipment.

VKVC personnel are available at various sites in India, Bangladesh and Middle East for carrying out pipe jobs on contract including geometric (EGP) survey of Pipelines.

VP Engineers

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Contact (PPSA): N Srinivasan

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VP Engineers manufacture specialized industrial products for refineries, petrochemicals & processing plants.

VP Engineers' products for pigging are cleaning pigs, batching pigs, gauging pigs, bi-di pigs, commissioning pigs, foam pigs, criss-cross foam pigs, heavy duty foam pigs, swabbing pigs, de-watering pigs and magnetic pigs.

VPE also provide customised Pigs – with varieties of spring loaded brushes, circular brushes, silicon carbide strips, tungsten carbide studs, carbon and stainless steel wire bristles attached to the steel mandrel/aluminium mandrel and foam bodied pigs with or without PU elastomer coatings.

Other pipeline related products offered by VP Engineers include casing insulators/spacers, casing end seals, pipe end caps, monolithic insulation joints and ring joint gaskets.

WSG Industrial Services b.v.

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Contact: G Turner

The founders and directors of PNS b.v. (now known as WSG Industrial Services b.v.) have more than 20 years of experience in the pipeline and process industry. It is their desire to provide a service to the company's clients with an excellent pitch towards safety, efficiency, innovation and quality. During 2009 PNS b.v. merged with its partner company, Coil Services b.v. (now known as WSG Coil Services b.v.) and later on merged with WSG Slickline Services b.v. to form one company employing 350 people worldwide. Today WSG Industrial Services b.v. is a member of the Well Services Group.

WSG Industrial Services b.v. is an integrated service company offering a range of solutions for the onshore and offshore oil & gas industry, the LNG industry, petrochemical industry, pipeline industry, renewable energy industry, industrial chemical industry, power generation industry, pharmaceutical and manufacturing industry. WSG Industrial Services is designed to optimize production and minimize downtime during the whole lifecycle of the pipeline and / or process plant.

WeldFit Corporation

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Contact (PPSA & Sales): Roxy Mounter

WeldFit Corporation began over 48 years ago, building their reputation for quality and reliability. WeldFit Corporation products are manufactured in Houston, Texas for use throughout the United States and around the world. Their full-encirclement fittings feature extruded outlets for branch sizes up to 48" NPS and fabricated branches for larger sizes.

WeldFit Corporation specializes in the design, engineering, manufacturing and quality testing of traditional and automated pigging systems that can be utilized to perform four separate pigging functions: liquid recovery, cleaning, batching and inline inspections. The horizontally oriented launcher design is loaded with multiple pigs in one loading operation that allows the launching of a single cleaning, batching or spherical pig for both liquid and gas pipeline service applications.

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3X Engineering

PIPELINE REINFORCEMENT SYSTEM

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Contact (PPSA & Sales): Stanislas Boulet d'Auria

Founded in 1990, 3X ENGINEERING is a company specialized in industrial maintenance based on composite technology. Their expertise includes all industry sectors and particularly Oil & Gas, Power Plant and Construction. From their head offices in Monaco, they operate worldwide, Onshore and Offshore, thanks to their large distribution network. They are today represented by over 40 partners all over the world.

The range of products: REINFORCEKiT 4D: composite repair for pipe reinforcement. STOPKiT: online leak sealing. ROLLERKiT: pipe & support protection. TANKiT: composite repair for damaged tank and vessel. REFLANGEKiT: online repair for SF6leaking flange.

Charger Industries

BATTERY MANUFACTURER

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Charger Industries is an ISO 9001 certified custom battery pack manufacturing company specializing in high reliability battery packs for the Oil and Gas industry. They have over 20 years of experience building custom batteries for a wide variety of applications, including some of the most extreme environments on earth. They are able to bring innovation and experience to every phase of a battery project including: engineering design (both mechanical and electrical), testing, integration, training, and technical support. All of that expertise is coupled with competitive pricing and a level of customer service that is unmatched in the industry.

Visit PPSA's Web Site
www.ppsa-online.com

for more information and
 Hyperlinks to Members'
 Web Sites

Clock Spring, L.P.

PIPELINE REINFORCEMENT SYSTEM

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Highly effective, ingeniously simple, the Clock Spring pipeline reinforcement system redefines the economics of pipeline repair. With the patented Clock Spring system, permanent field repair and reinforcement of pipe sections weakened by corrosion or mechanical damage is easy, fast and inexpensive.

The Clock Spring sleeve is a specially developed, 0.06" sheet of high strength composite material. Its unique coil-shaped configuration creates a matrix memory which allows the Clock Spring® to wrap tightly around pipe of virtually any size. Applied with a patented fast-curing yet incredibly strong adhesive, it forms a composite wrap which actually exceeds the yield strength of the original pipe.

Cottam Brush Ltd

BRUSH MANUFACTURER

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Hebburn NE31 2JZ, UK

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Contact (PPSA): Ben Cottam

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COTTAM BRUSH Ltd's specialist pipeline team supply off the shelf products for existing fleets of pigs or custom made to your specification. They manufacture to suit any pig, to the required size and abrasion level for your job.

With over 30 years of design and manufacturing experience with the latest materials and techniques, they ensure a great result for your customer.

Their inline inspection bristles provide the optimal magnetic permeability and enhanced conductivity to enable the collection of accurate and reliable data.

The QUATTRO-FLEX pipeline cleaning brush features

pencil brush technology with full 360° deflection, providing better cleaning performance from start to finish.

Dow Polyurethanes

POLYURETHANE MANUFACTURER

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SK22 1BR

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Contact (PPSA & Sales): Paul Fitzgerald

Dow Polyurethanes manufacture elastomer systems (REACH compliant 2018) for a variety of PIG wear components amongst many other engineering applications. Their aim is to be the material technology provider of choice, offering application development and processing support to grow your business with their range of innovative solutions for the most demanding industrial engineering applications. Dow Polyurethanes offer more than 40 years experience of MBoCA-free elastomer systems, together with reliable service, and creative polymer design, as well as the vast resources of one of the world's largest and most respected chemical companies.

Engineered Power

BATTERY MANUFACTURER

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Contact: Rick Marshall

Mobile: +1 403 660 3108

Engineered Power provides the oilfield industry with innovative power solutions to extreme environments. Engineered Power (EP) produces primary lithium thionyl chloride batteries specifically for pigging, oil and gas applications. EP's rigorous cell testing and intensive product inspections ensure maximum performance, reliability and shelf life.

Excell Battery Corporation USA

BATTERY MANUFACTURER

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www.excellbattery.com

Contact: Bob Fay

Excell Battery Corporation USA make battery packs for pigging applications. They have been making battery packs for the oil market and pigging market for the past 25 years for many big name customers.

Fiberbuilt® Manufacturing Inc

BRUSH MANUFACTURER

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www.fiberbuilt.com

Contact (PPSA & Sales): Dan Fletcher

Fiberbuilt® a leading brush manufacturer in the pipeline industry. Fiberbuilt®'s patented MFL brushes and pipeline cleaning brushes have been laboratory tested for best magnetic flux conductivity, strength and wear resistance.

Fiberbuilt® manufactures with a variety of wire types, diameters and sleeve dimensions. For the past 50 years, Fiberbuilt® has used its innovative engineering and experience to customize industrial brushes to meet industry requirements.

Innospection Limited

NON-DESTRUCTIVE TESTING

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Innospection Ltd is a provider of advanced and innovative inspection services and solutions for the integrity

and lifetime assessment support of onshore and offshore topside, splash zone and subsea assets. An expert in electromagnetic inspection technologies such as Eddy Current and Magnetic Eddy Current (MEC), Innospection has delivered advanced NDT services to the worldwide process industries since 1998.

Innospection's inspection technologies are used worldwide as key tools to support the lifetime and fitness-for-service assessments of: pipelines and pressure vessels; storage tanks; heat exchanger and boiler tubes; flexible risers and mooring lines; rigid risers; caissons and conductors; subsea pipelines and structures; and ship hulls.

Innotech Electronic GmbH

ELECTRONICS AND PRESSURE TIGHT CABLES

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Cable Tailoring: Innotech Electronic cables are successfully used in the Oil & Gas Industry and prove themselves daily under adverse ambient conditions. The cables are exposed to dynamic high pressures in different pipeline media such as crude oil, natural gas, salt water and diesel and are additionally exposed to vibrations and impacts. All cables are manufactured according to customer requirements.

Electronic Manufacturing: Innotech Electronic assembles PCBs, from prototype to mid-sized series. PCBs with SMD are soldered by vapour phase.

Also they offer: the manufacturing and testing according to customer specification; assembling of electronic components and complete device units.

The encapsulating of electronic parts for direct operating in pipelines is completing their range.

Jee Ltd

PIPELINE SERVICES PROVIDER

31 Abercrombie, Arnhall Business Park, Prospect Road, Westhill, Aberdeen, AB32 6FE, UK

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E-mail: engineering@jee.co.uk

www.jee.co.uk

Contact (PPSA & Sales): Jon Davison

Offering engineering support, technical assurance and project management, Jee has a long track record of undertaking pigging and plugging project worldwide. Jee's services cover all phases of the asset lifecycle from feasibility studies, commissioning pigging and baseline in-line inspections (ILI), through operational cleaning and life-of-field ILI campaigns, to cleaning for decommissioning. Focussed on reducing risk and maximising the probability of a successful operation, Jee's engineers are specialists in challenging scenarios such as "unpiggable" pipelines, subsea launch/receipt, ultra-deepwater HPHT lines, multi-diameter pipelines and flexible risers.

Jee also offers a range of technical training courses covering integrity management, pigging and plugging, helping build competencies and skills for you and your team.

KOTI-Dawson Ltd

BRUSH MANUFACTURER

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Contact (PPSA & Sales): Trevor Wheeler

Established in 1966, KOTI has developed into a specialist manufacturer of industrial and technical brushes for all branches of industry. Part of their range includes internal and external tube cleaning brushes, brushes for attaching to "Pigs" for pipeline cleaning. Their objective is to ensure that their brushes provide additional value to their customer's production processes. KOTI combines decades of craftsmanship with the latest manufacturing technology.

KOTI has established itself as a global group company with a considerable reputation as a market leader.

Osborn International GmbH

BRUSH MANUFACTURER

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www.osborn.com <http://welding.osborn.com>

Contact (PPSA & Sales): Torsten Hildebrandt

Osborn offers high-quality, heavy-duty brushes for pipeline needs – from cleaning to inspection.

Osborn pipeline cleaning brushes are available for cleaning paraffin, rust, oxides, organic residue, sand and debris in operating pipeline systems. The range includes arc, straight-wire strip, coils and open-pitch helical brushes.

Osborn inspection brushes are part of MFL inspection equipment, for locating defects in pipelines, to avoid hazards. Inspection brushes are available in various sizes and configurations, from straight-wire strip, to detailed pencil brushes.

In the business of brushes since 1887, Osborn's technical support team is composed of people with real-world experience that solve application problems and help with product selection.

P.S.E. International Ltd

PIPELINE SERVICES PROVIDER

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P.S.E. International Ltd provides services and constructs drying equipment for the drying and cleaning of pipes in the oil and gas industries.

The company was founded by Peter Vemmelund and Kent Friborg who have over 30 years experience in: drying (drying with super dry air), vacuum techniques, cleaning and refrigeration techniques. Today PSE International is owned by Peter Vemmelund, Lars Hartvigsen and Torben Bilstrup.

P.S.E. International uses top quality measuring instruments to ensure quality of work. The drying system is specially constructed, the dry air being 100% oil free because air blowers in the compression part, operate without oil. The method of drying is well approved and used on pipelines with diameter from DN 80 (3") to DN 1400 (56") worldwide.

Shell UK Ltd

OIL AND GAS EXPLORATION AND PRODUCTION

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Southwest Electronic Energy Group

BATTERY MANUFACTURER

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Since 1964, SWE has been a quality supplier of battery solutions to the oil and gas industry. SWE Pipeline Inspection Gauge (PIG) battery packs are based on high performance Lithium Sulfuryl Chloride cells from their cell partner, Vitzrocell-Exium. SWE battery products offer higher capacity, advanced technology gauges, installed base compatibility, and competitive price. SWE is headquartered near Houston with over 70,000 square feet of ISO 9001:2008 quality certified battery technology R&D, manufacturing, and customer support. SWE delivers service, quality and reliability in every facet of their business, including an industry leading Electronic Test Data Sheet for manufacturing quality traceability of each and every battery pack. Contact for a custom battery quote.

Stark Pipeline Services

PIPELINE SERVICES PROVIDER

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E-mail: sales@starktrans.com
www.starktransportation.com
Contact: Gerald Stark

Stark Pipeline Services provides a variety of services to the pipeline integrity industry including pipeline mapping and surveying, pig tracking, pig cleaning, NORM decontamination, project management, infield transportation, and crane. In addition to these services Stark technicians are also trained to build and refurbish smart pigs and cleaning pigs. Stark has been part of the pigging industry for over 15 years and the company prides itself in maintaining a high level of safety and professionalism.

Statoil ASA

OIL AND GAS PRODUCTION AND EXPLORATION

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STOCKMEIER Urethanes USA, Inc

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