



**A GLOBAL
LEADER IN
PROVIDING
COMPLETE
PIPELINE
SOLUTIONS**





Proven inspection technologies to address pipeline integrity challenges

PIPECARE Group is a global company offering state-of-the-art products & services to the oil & gas industry. We take pride in providing solutions that add value to our customers' business and assist in protecting our environment.

We are committed to providing the highest level of service quality, in accordance with the applicable regional standards & regulations, to our customers, helping to maintain the integrity of their pipeline assets.

Powerful, Vast, & Complete Pipeline Solutions

The PIPECARE Group, with its vast experience in providing pipeline integrity solutions globally, has the required in-line inspection services for all pipeline operators.

PIPECARE aims to be your preferred provider for all pipeline integrity management services, from pipeline inspection and integrity assessment to repair and preventive pipeline maintenance.

These integrity services include:

Provision of ILI inspection services for the detection, identification, sizing, and location of pipeline features with all standard technologies, like:

- Cracks and crack-like features (in the pipe body and welds)
- Metal loss features like general corrosion, pitting, pinholes, and grooving
- Geometrical features like dents, buckles, ovalities, bends.

Provision of customized In-Line Inspection services tailor-made for individual client challenges
Various client software solutions, from inspection data viewers, integrity and risk assessments to corrosion growth predictions

Examples of successful achievements:

- Successful inspection of single-entry loading pipelines
- Specialized cleaning services, including bi-directional cleaning
- Increase LNG plant operations efficiency through customized in-line inspection
- Bi-directional 4" (101.6 mm) ultrasonic inspection technology
- Inspection of 36/42" (914.4 / 1,066.8 mm) dual-diameter pipeline with constant sensor resolution in both diameters
- Dual-diameter capability for ultrasonic crack inspection tools
- Dust and black powder extraction with unique cyclone separators

Advanced Technology

At PIPECARE, we understand the importance of technology and therefore strive to deploy the latest technologies in our innovative inspection solutions.

Research and Development

Accuracy of the inspection data recorded online by the ILI tools during the runs is the key factor for reliable pipeline integrity assessments. Our Research and Development teams are constantly applying the latest and most advanced technologies and processes for:

- Improve sensor capability
- Apply the latest technologies
- Maintain sensor stability
- Control of the ILI tool speed
- Prevent excessive acceleration and reduce vibrations

Over the past decades, our in-house R&D centers have steadily expanded and increased their manpower to enable and support constant innovations to serve our customers with the best solutions to address their inspection and post-inspection requirements.



Increasing pipeline operational performance and efficiency

State-of-the-art inspection services

PIPECARE provides state-of-the-art inspection services based on the experience gathered over the past decades. We have dedicated resources to research and develop unique inspection technologies that are unparalleled in the ILI industry.

Reliable with high first run success rate

Our inspection equipment, tools, and accessories are developed, designed, and built to the highest industry standards; thus, they are not only capable of delivering highly accurate results, but, equally importantly, they have one of the highest first-run success rates in the industry.

Our ILI tools accurately detect and size pipeline features, which are analyzed by teams of professional data analysts, generating timely reports.

Our goal is to achieve a 100% first-run success rate, and we presently rank among the industry's top leaders for first-run success.

Our Research and Development Department is continuously pushing today's technology barriers to generate innovative solutions to increase inspection accuracy and certainty from today's 90% industry standard up to 95% and, where possible, to 100%.

True High-Resolution tools

All our In-Line Inspection tools are state-of-the-art and are true high-resolution systems. The tools are designed to minimize the impact on pipeline operation and provide the required details of the condition. Data collected during the inspection is processed offline, and reports are generated, providing comprehensive information necessary for pipeline integrity assessments.

Superior anomaly detection and sizing

The sensitivity and accuracy of the technologies applied in our inspection tools are second to none. Our tools are equipped with measurement systems with the highest resolutions, ensuring superior detection and sizing of pipeline features. This applies to very small pipeline diameters, starting from 3" (76.2 mm) to large diameters up to 56" (1,422 mm). Our tools' modular design concept allows different inspection technologies to be combined in one tool for effective and efficient multi-purpose single-run inspections.

High-quality services and fast deliveries

The quality of our services and the accuracy of our reports have the highest priority. PIPECARE strives to provide the highest possible quality at the fastest pace possible. This is applicable to our standard products & services and our customized solutions.

PIPECARE strives to deliver the highest quality of In-Line Inspection results in the shortest possible time. All our inspection tools, field crews, and data analysis teams serve this purpose. Our R&D teams support this effort with the latest available technologies and processes, such as artificial intelligence for on-board data processing and data analysis.

Customized solutions

PIPECARE has an extensive track record of successfully developing and deploying customized solutions for difficult-to-inspect pipelines worldwide. Over the years, we have handled many difficult cases in the industry. We are constantly improving and expanding our in-house capabilities to provide customized solutions for any pipeline challenges. Such solutions are not generic; instead, they are tailored to unique needs. This includes any type of difficult-to-inspect pipeline or challenging pipeline inspection.





Providing complete pipeline solutions through innovation

Our intention

Become the industry leader by deploying advanced methods and technologies, providing our clients with suitable ILI technologies for their pipelines, and utilizing historical and actual data to assess the type of anomalies that pose potential risks. We review all available information, such as product history, pressure cycling, previous ILI inspections, repair history, cathodic protection data, terrain, etc., to ensure that the inspection solution is based on sound engineering processes supported by decades of experience.

Our vision

Provide best-in-class pipeline integrity services for our clients, develop innovative solutions for their pipeline integrity challenges, and be the preferred partner of choice.

Our mission

Build long-term relationships with our clients and other stakeholders and provide exceptional services by pursuing business through safe and environment-friendly operations, innovations, and advanced technologies.

Our Core Values

People

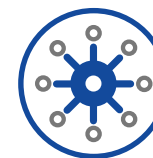


We are people-focused, safety-oriented, and have recorded zero accidents in all our operations.

We have invested heavily in our regional project teams active in the field and in offices; hence, all our staff are knowledgeable and skilled to fulfill their respective roles.

Our teams are very keen to ensure excellent service delivery from start to finish of any project.

Solutions



Our R&D teams are constantly exploring new technologies to improve our services and products. We have a proven track record of providing

Our solutions have a high first-run success rate, with accurate results presented in high-quality reports.

Integrity



At PIPECARE, integrity is an inherent character that we portray in all our business transactions.

Under no circumstance do we compromise standards; all our services and solutions are delivered to the highest industry standards.

Our teams are proud and dedicated to their duties and are always willing to go the extra mile to solve your problem.

Innovation



Our products are unique and, if required, customized to meet our customers' needs.

We are continuously motivated to solve the most challenging problems through constant research and development activities and partnerships.

Commitment

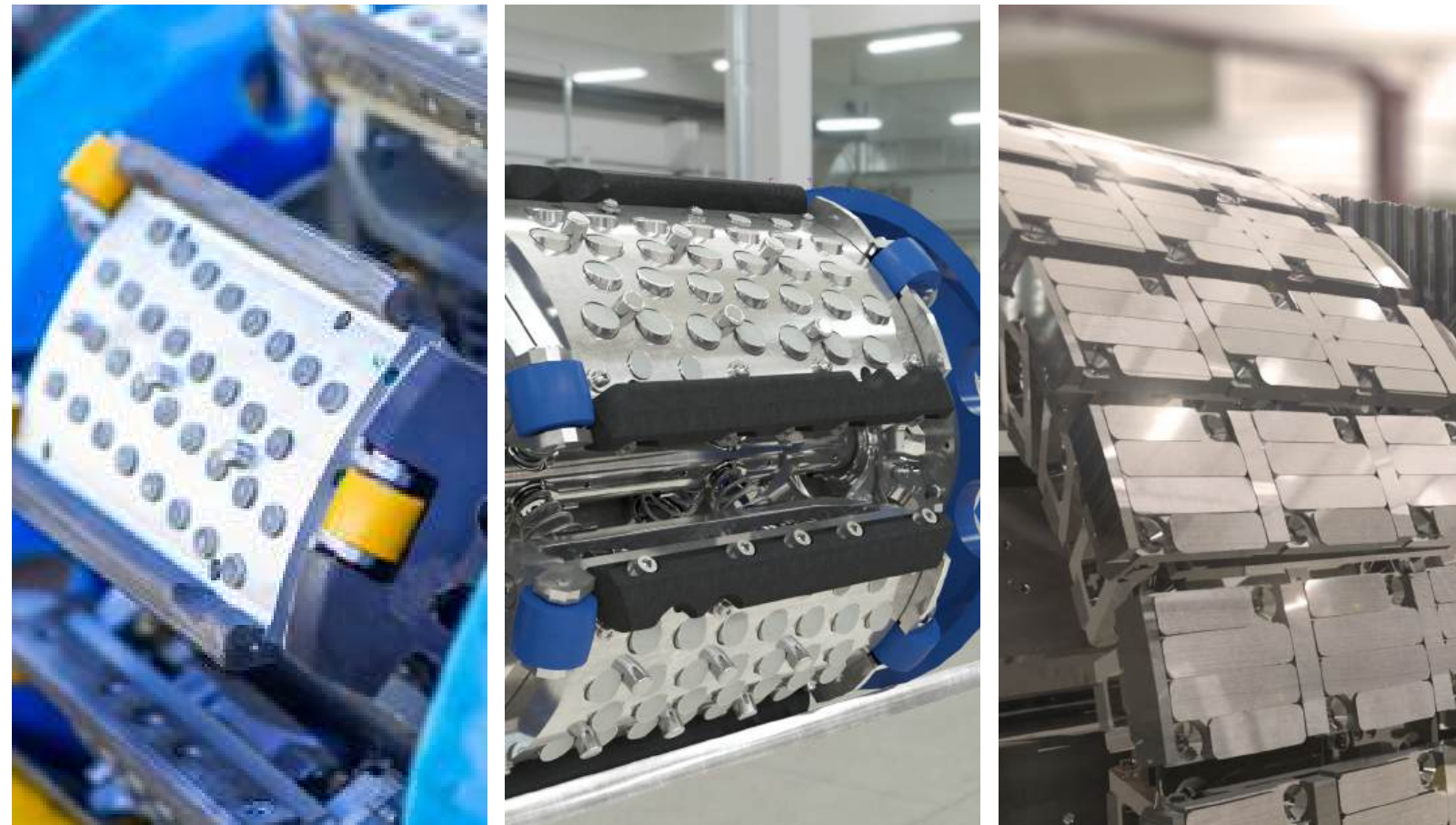


Our products and services are delivered in accordance with the highest standards due to the utmost care and attention paid to the process.

We strive to be the industry leader in our business segments.



Competitive and smart solutions for a successful in-line inspection



Delivering our promises through extensive team experience

- We stand out with one of the largest fleets of products and tools in the in-line inspection industry.
- Our teams are built with the most qualified people, ranging from technicians to engineers to M.Sc. and Ph.D. holders.
- Our team members are experts in their respective fields, enhancing our overall research and product development capacity.

Ultrasonic Wall Thickness Measurement (UTWM)

- Accurate and precise measurement of pipeline wall thickness to detect, identify and size metal loss features, including laminations
- Equipped with ultrasonic sensors covering the full pipe surface
- Precise dimensional measurement of length, width, and depth of features detected in pipe joints

Ultrasonic Crack Detection (UTCD)

- Suitable for the inspection of pipelines carrying liquid products
- High probability of crack detection with high crack sizing accuracy
- Available for axial or circumferential crack inspections

Electromagnetic Acoustic Transducer (EMAT)

- Detection and sizing of axial cracks and stress corrosion cracking (SCC)
- No requirement for liquid couplant
- 100% pipe coverage
- Suitable for coating assessment and coating disbondment detection



Modular design for a wide range of applications

Combo Inspection

- Combination of MFL and UT tools with other available inspection technologies, e.g., geometry and mapping, as well as a speed control unit
- Simultaneous inspection with complementary technologies reduces the overall operational efforts and increases the probability of detection and identification of pipeline features and threats.
- Data sets of the combined inspection technologies are viewed and analyzed in conjunction.

Pigging Accessories

- Pipeline cleaning tools such as foam tools, scrapers, brush tools, and gauges for wax removal and cleaning of gas and liquid lines
- Pig tracker
- Data logger
- Launcher and Receiver

Magnetic Flux Leakage (MFL)

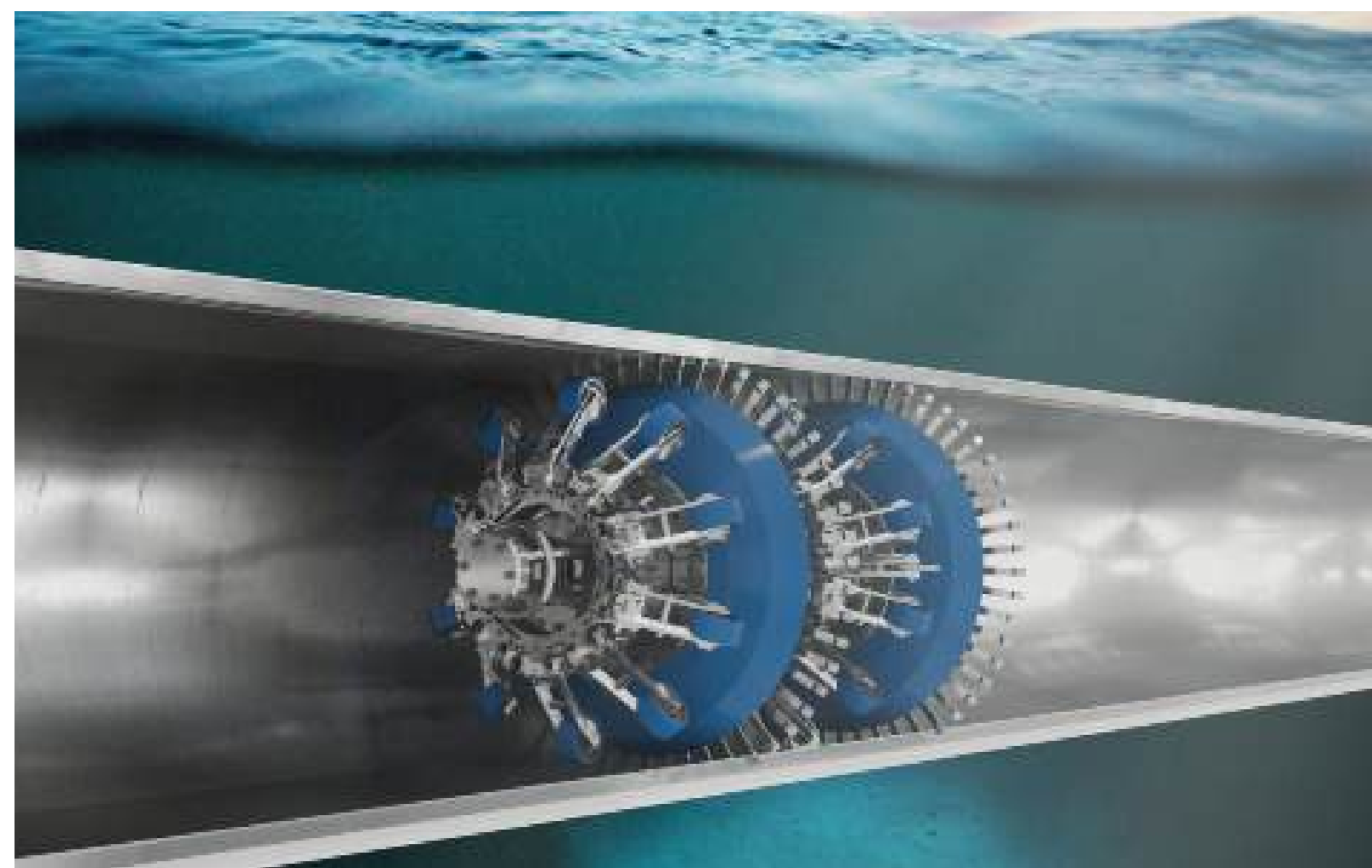
- Inspections based on magnetic flux leakage technology for the detection, identification, and sizing of all metal loss features.
- Equipped with tri-axial Hall sensors with extremely high measurement resolution.
- Applicable to all pipeline media, including gas and liquids.

MFL Transverse Field Inspection (TFI)

- High-resolution magnetic flux leakage circumferential technology with extremely high sensor resolution
- Advanced axial surface-breaking crack detection capability
- The perfect solution for the detection, identification, and sizing of longitudinal and axial pipe features in the pipe body and long seam weld

Smart AI Caliper

- Customer software to display a 3D model of the pipeline
- Client personnel can be trained to deploy the Caliper tools.
- Automated assessment of geometry features, girth welds, bends, and stress-strain zones
- Equipped with special sensors for the detection of small off-takes, such as illegal tapping and similar features





Specialized solutions for accessing difficult-to-inspect pipelines

Our specialized solutions are custom-engineered for specific client needs:

Downhole Tubing Inspection

Downhole bi-directional tubing inspections are based on ultrasonic wall measurement for the detection and sizing of metal loss features as well as wall thinning. The systems are equipped with small sensors for pinhole detection and sizing.

Coiled Tubing Inspection

The External MFL Scanner analyzes and records data in real time, providing signal visualization and notifications, and detecting all anomalies in coiled tubes. Detected features and vibrations above a set threshold are signaled visually and acoustically by the system. Its unique design makes assembly and installation easy.

Furnace Tubing Inspection

The furnace tube inspection technology has been specially developed to be applied as part of the decoking process to ensure the integrity of all grades of steel used in the piping. The inspection probe can effectively navigate through plug headers and internal parts of tubes to check for cracks and other features, with automated analysis and reporting as required by the operator.

Cyclone Dust Separation

This device consists of multiple cyclones for the effective removal of dust particles. With this device, pollutants can be separated and dispersed from air, gas, or water through the vortex. The process facilitates the quick removal of sediments or sludge, thereby saving time and energy.

Unpiggable Pipeline Solutions

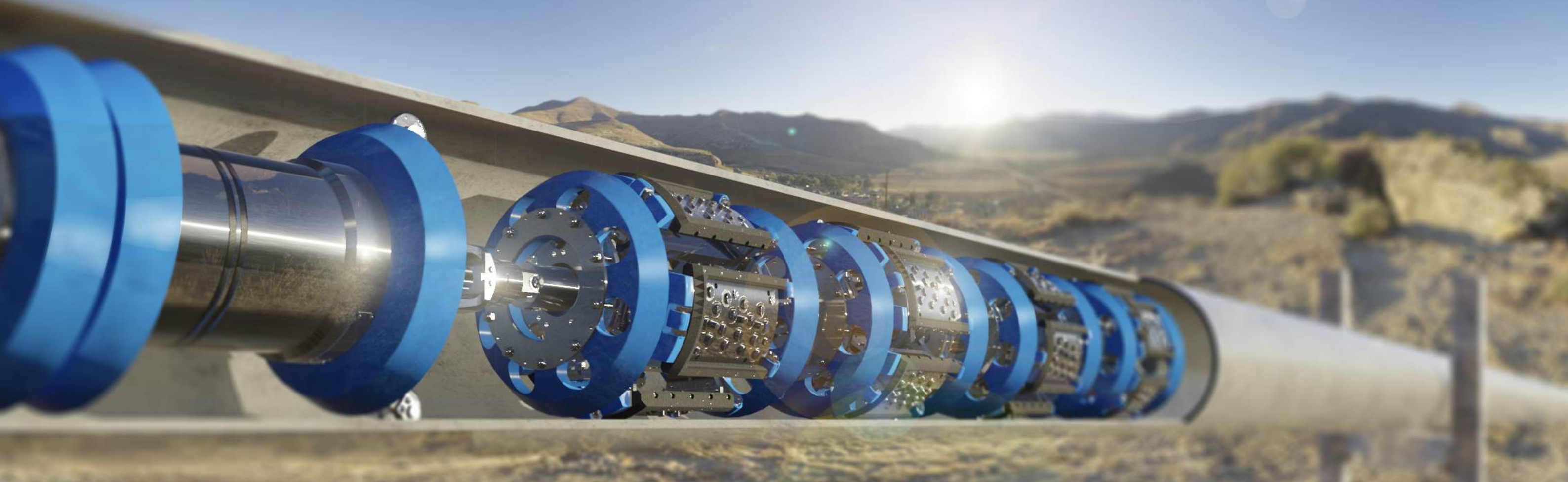
The inspection systems for flow lines were specifically developed for a large Middle East oil & gas company's difficult-to-inspect pipelines. The inspection tool has been launched and received through a special 3-way ball valve to inspect 8" (203.2 mm) and 10" (254 mm) flow lines. The inspection tools developed for these pipelines are the shortest and most compact tools available in the market.

Loading Lines & Umbilical Inspection

The loading lines inspection is another invention that PIPECARE championed. The scope was to inspect 48" (1,219.2 mm) loading lines, which have been classified as non-piggable, for free-swimming in-line tools. Access to the pipelines has been provided through a single-entry point equipped with temporary traps used for collecting dirt from cleaning activities.

Magnetic Surface Inspection

Magnetic surface inspection is based on the registration and analysis of anomalies in magnetic field intensity that arise in the concentration zones of longitudinal and transverse stresses. It detects changes in the metal structure in areas of pipeline material pre-destruction and destruction. This technology has been developed to inspect challenging ferrous pipelines where other technologies (including ILI) cannot be utilized.



Pipeline Integrity Management

Pipeline integrity is an essential aspect of pipeline asset management. By adopting a proactive approach to address active integrity threats, clients can avoid production interruptions or consequential product losses caused by pipeline failures.

In addition to ILI, PIPECARE provides an optimum client software package to process in-line inspection data for pipeline integrity assessment purposes.

The integrity reports conform to regional and global regulatory requirements and standards, enabling operators to achieve effective pipeline management and monitoring.

Integrity Assessment

Our services go far beyond the ILI scope and include pipeline integrity management support. We generate accurate and precise reports, including the relevant data to support the decision-making process in the following areas:

- Fitness-for-Purpose (FFP)
- Corrosion Growth Assessment
- Fatigue Analysis
- Dent Strain
- Specialized Integrity Assessment Reports
- Stress and Strain Movement Analysis
- Recommended Repair Reports

GIS Integrated Services

GIS Integrated Services are remote pipeline monitoring systems that enable the monitoring of pipeline status in real time, regardless of your location. This technology provides:

- Pipeline digital mapping and digitization platform
- Real-time satellite image reporting, along with essential data appropriately converted into useful information, all linked to the GIS
- Ability to carry out Inertial Measurement Unit (IMU) and DGPS

Predicta Integrity Software

Predicta assists operators with predictions of the pipeline's asset integrity and lifetime for future optimization, and its self-learning abilities increase accuracy over time. The software conducts predictive assessments and optimization. Other functions of the software are:

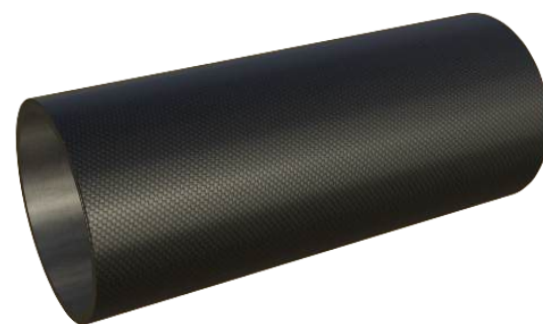
- Rapid representation of expansive pipeline networks for easy assessment and visualization
- Reliable and accurate prediction of the pipeline's lifetime to determine the possibility of future optimization
- Comprehensive reporting and presentation of the pipeline's digital information
- Multiple standards for assessment, which allow seamless integration of data into an existing database

Pipeline Repair and Rehabilitation

Metal Wrap Carbon Fiber Repair

This flexible material and wrapping technique helps to extend the life of the pipeline in the most cost-effective manner, especially when extreme corrosion is present. Features of this high-tech product are:

- It helps restore the pipeline to operational strength along corroded regions.
- It is easy to install- just by wrapping around the affected region without shutting down the pipeline.
- It is cheaper than replacing affected regions with steel pipes, saving about 200% of the cement cost.
- It can be used for both buried and surface-level pipes



Progress over the years

Growth and expansion

PIPECARE Group AG acquired LIN SCAN and PIPECARE Canada from 2018 to 2020 and has since invested significantly in technology to enhance and improve the inspection tools and services. These acquisitions have empowered the PIPECARE Group to offer high-end in-line inspection solutions as well as integrity services to the oil & gas industry.

PIPECARE Technology has been developed by engineers who have developed and improved many inspection technologies and tools that are available in the market today. Highlights of the merger of the companies are:

- More than 800,000 km of pipeline inspected
- In-Line Inspection fleet with over 500 tools
- Operations in 90+ countries worldwide
- Global workforce exceeding 400 employees
- 25+ years of experience in the ILI industry

Going global

We operate in over 90 countries and have received outstanding recognition for the quality of our products and services from local and international certification bodies such as:

ISO-9001- Quality Management

ISO-14001- Environment Management

ISO-29001- Oil and Gas

ISO-45001- Occupational Health and Safety Management

Certified with API Spec Q1 and API 1163

We continue to improve our products and services as we strive to become the global leader in providing complete pipeline solutions.

Global presence and local reach

While we are headquartered in Switzerland, we have our regional offices and hubs spread around the world to serve our clients locally.

Territories

- North and South America
- The Middle East and Africa
- Europe
- Asia and Pacific





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CORPORATE PROFILE

We care about your pipelines.

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