



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

www.pipecaregroup.com





Proven inspection technologies to address

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 customer's 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, integrity assessment to repair and preventive pipeline maintenance.

These integrity services include:

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

- Crack and Crack-Like features (in pipe body and welds)
- Metal loss features like General Corrosion, Pitting, Pinhole, 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 viewer, integrity and risk assessments to corrosion growth predictions



pipeline integrity challenges

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-inch ultrasonic inspection technology
- Inspection of 36/42-inch 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 on-line 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 been 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 important, with one of the highest First-Run-Success rate 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 the inspection accuracy and certainty of the today's 90% industry standards 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 impact on pipelines' operation and provide required details of the condition. Data collected during the inspection is processed off-line, and reports are generated, providing comprehensive information necessary for the 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 2" to large diameters up to 56". Our tools' modular design concept allows different inspection technologies to be combined in one tool for effective and efficient multi-purpose single run inspections.

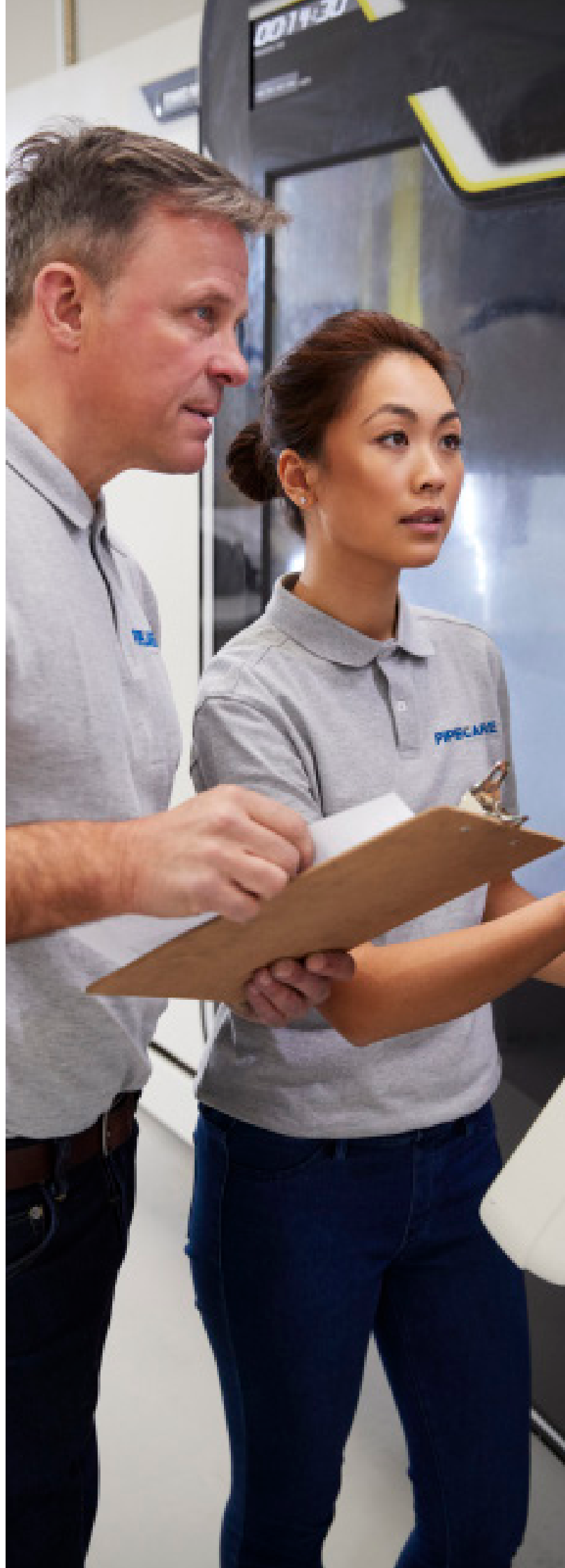
High-quality services and fast deliveries

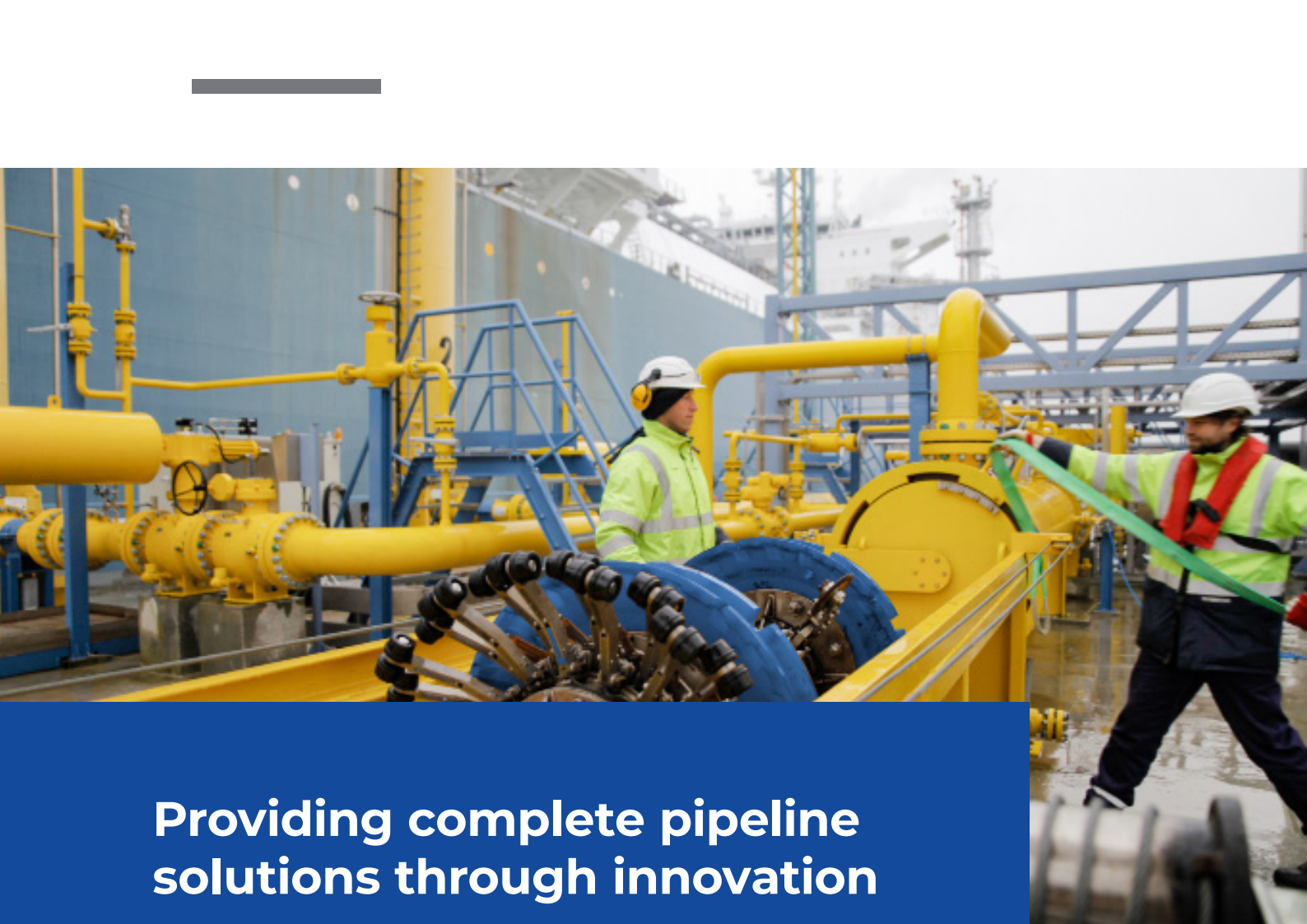
The quality of our services and the accuracy of our reports have the highest priority. PIPECARE strives to provide the highest possible quality at the fastest pace possible. This is applicable for our standard Products & Services and our customized solutions.

PIPECARE strives to deliver the highest quality of In-Line Inspection results in the shortest possible time. All our inspection tools, field crews, 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 executed 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 inspections.



A photograph of two workers in high-visibility safety gear and hard hats working on a complex industrial pipeline system. The system features large yellow pipes, blue structural supports, and various valves and flanges. One worker is in the foreground, and another is further back, both focused on their tasks. The background shows more industrial structures under an overcast sky.

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, 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. are taken into consideration, 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, other stakeholders and provide exceptional services by pursuing business through safe and environment-friendly operations, innovations, and advanced technologies

Our Core Values

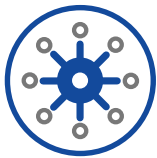


People

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-field and offices; hence all our staff is knowledgeable and skilled to fill their respective roles.

Our teams are very keen on excellent service delivery from the 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 for providing excellent solutions to various inspection requirements.

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 customer's needs.

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



Commitment

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

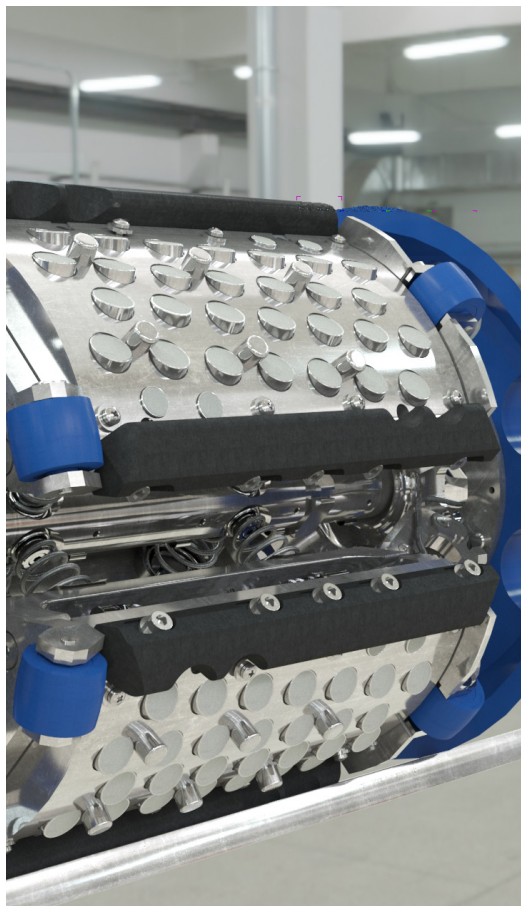
We strive to be the industry leader in our business segments.



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.D and Ph.D. holders.
- Our team members are experts in their respective fields, enhancing our overall research and product development capacity.

Competitive and smart solutions for a successful in-line inspection



Ultrasonic Wall Thickness Measurement (UTWM)

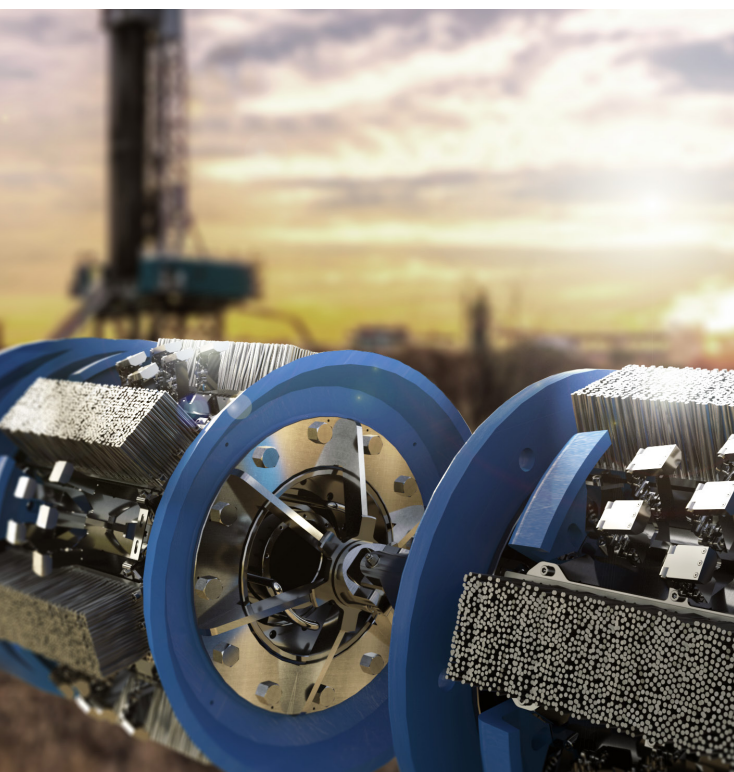
- Accurate and precise measurement of pipeline wall thickness to detect, identify and size metal loss features, including laminations
- Equipped with Ultrasonic sensors covering the full pipe surface
- Precise dimension measurement of length, width, and depth of features detected in pipe joints

Ultrasonic Crack Detection (UTCD)

- Suitable for inspection of pipelines carrying liquid products
- High-probability of the detection of cracks 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 Crack (SCC)
- No requirement for liquid couplant
- 100% pipe coverage
- Suitable for coating assessment and coating disbondment detection



Magnetic Flux Leakage (MFL)

- Inspections based on magnetic flux leakage technology for detection, identification, and sizing of all metal loss features
- Equipped with Tri-Axial hall sensors with an extremely high measurement resolution
- Applicable in all pipeline mediums, 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 detection, identification, and sizing for longitudinal and axial pipe features in the pipe body and long seam weld

Smart AI Caliper

- The final report delivered on-site in a maximum of 9 hours
- Customer software to display 3D Model of the pipeline
- Client personnel can be trained and deploy the Caliper tools
- Automated assessment of geometry features, girth welds, bends, stress-strain zones
- Equipped with special sensors for the detection of small off-takes, like illegal tapping and alike

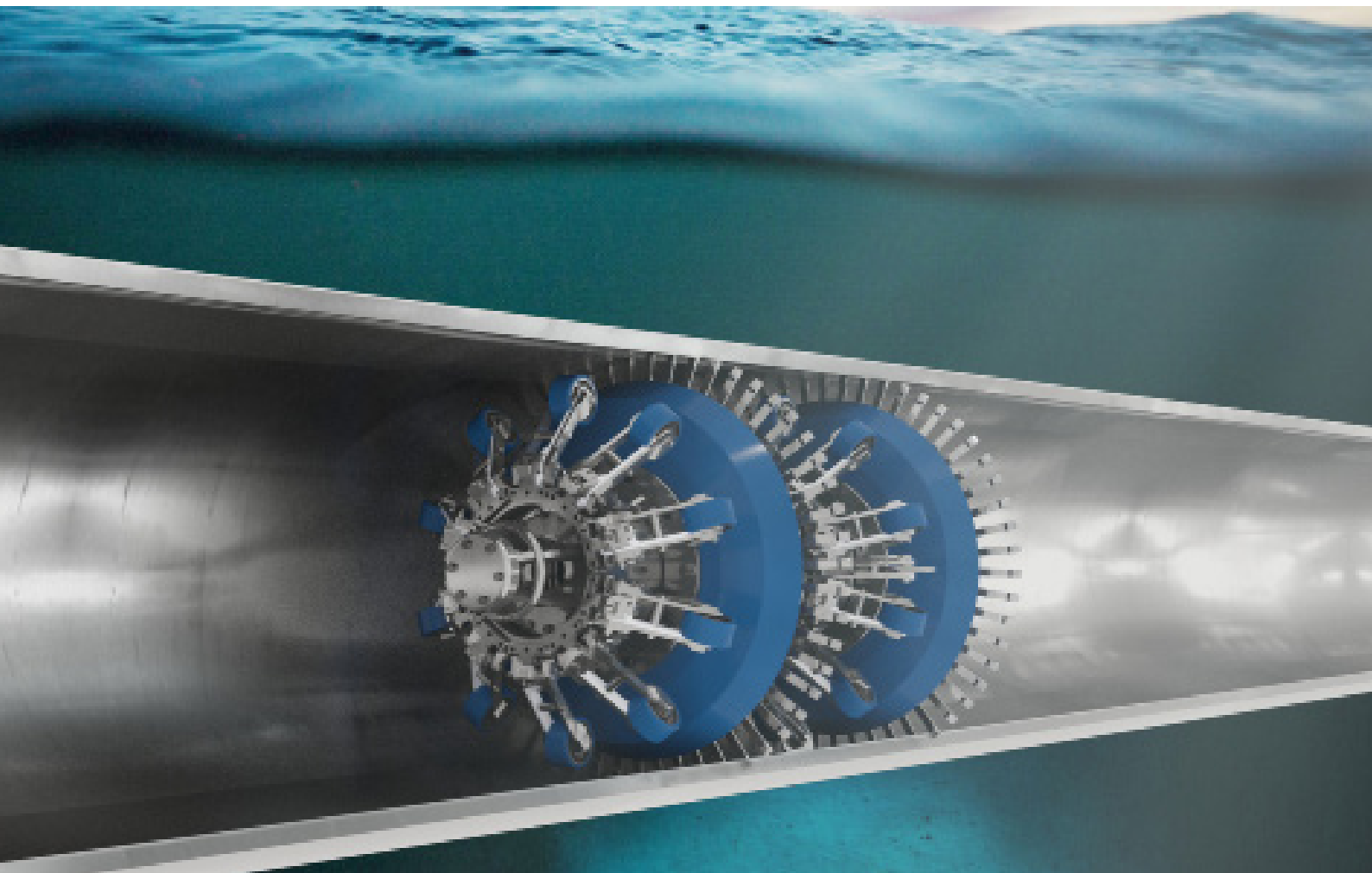
Modular design for a wide range of applications

Combo Inspection

- Combination of MFL and UT tools with other available inspection technologies, e.g. geometry and mapping as well as 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, gauge for wax removal and cleaning of gas and liquid lines
- Pig tracker
- Data logger
- Launcher and Receiver





Specialized solutions for accessing difficult

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 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, notifications, and detecting all anomalies in coiled tubes. Features detected, and vibration detection above a set threshold are signaled visual and acoustical 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, polluted particles can be separated and dispersed from air, gas, or water through the vortex. The process facilitates quick removal of sediments or sludge, hence saving time and energy.



-to-inspect pipelines

Unpiggable Pipeline Solutions

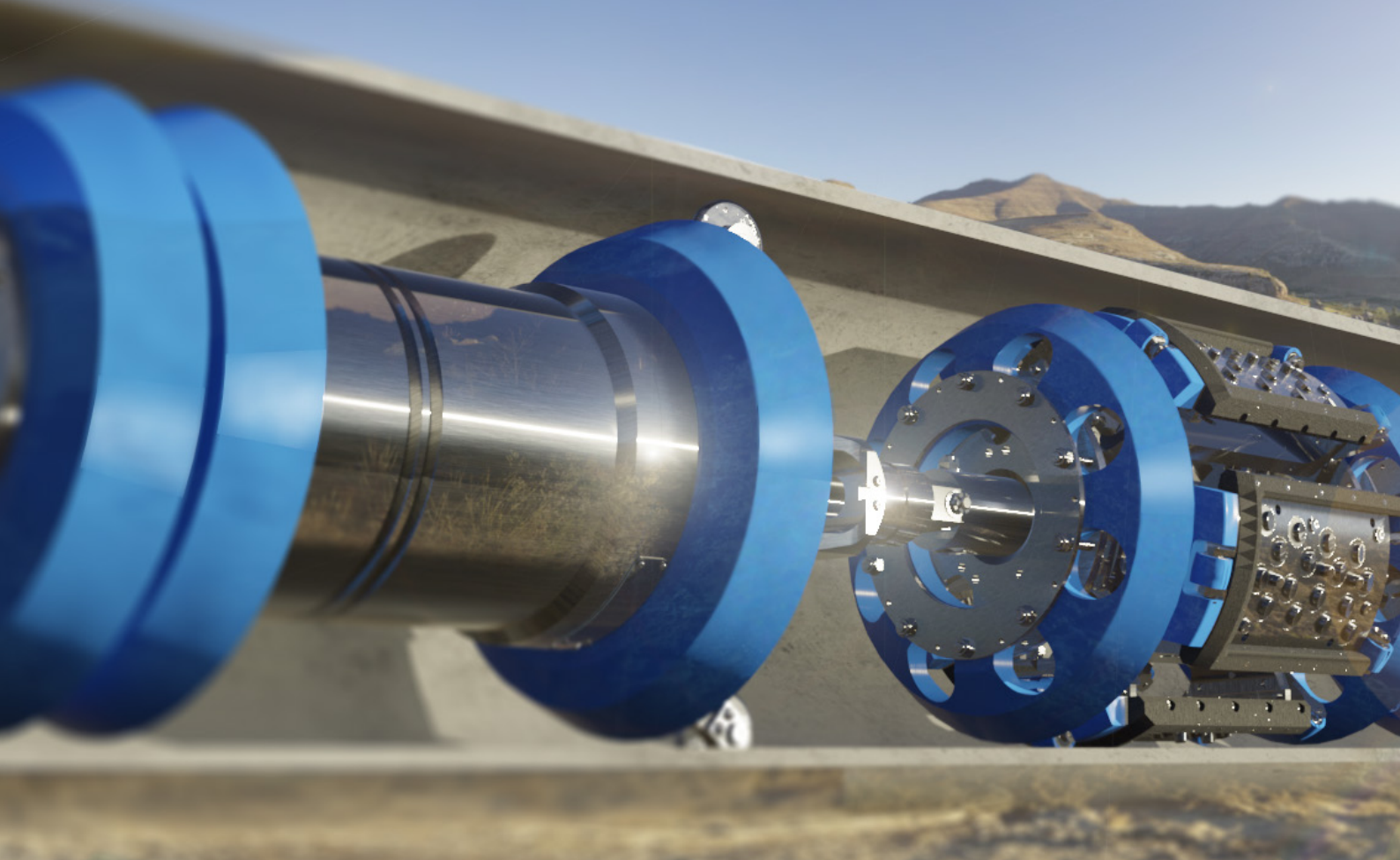
The inspection systems for flow lines were specifically developed for a large Middle East Oil & Gas company's difficult to inspect pipelines. The inspection tool has been launched and received in a special 3-way ball valve to inspect 8" and 10" flow lines. The inspection tools develop for these pipelines 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" loading lines, which have been classified as non-piggable, for free swimming In-Line tools. Access to the pipelines has been from a single-entry point equipped with temporary traps used for the dirt collection from the cleaning activities.

Magnetic Surface Inspection

Magnetic surface inspection is based on the registration and analysis of anomalies in the magnetic field intensity that arise in the concentration zones of longitudinal and transverse stresses. It detects changes in the metal structure in the areas of pipeline material pre-destruction and destruction. This technology has been developed to inspect ferrous challenging pipelines that take place 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, it enables the client to avoid production - or consequential product losses caused by pipeline failures.

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

The integrity reports conform with the 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 area of:

- 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 which enable, regardless of your location, the monitoring of pipeline status in real-time. This technology provides:

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

Predicta Integrity Software

Predicta assists operators with predictions of the pipeline's asset integrity and lifetime for future optimisation. 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 pipeline's lifetime to determine the possibility of future optimization
- Comprehensive reporting and presentation of pipeline's digital information
- Multiple standards for assessment, which allows seamless integration of data into an existing database

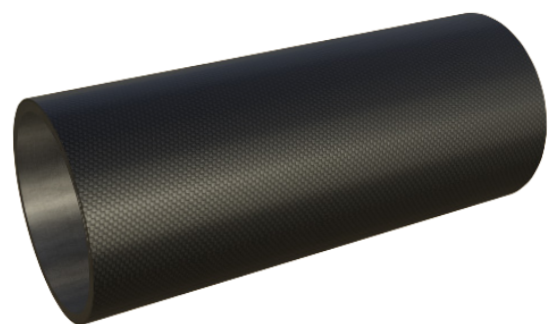


Pipeline Repair and Rehabilitation

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 replacement 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 empowers 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. Highlight of the merger of the companies are:

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

Going global

We operate in over 80 countries and have received outstanding recognition for the quality of our products and services by 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 for the provision of complete pipeline solutions.

While we are headquartered in Switzerland, we have our regional offices and hubs spread all 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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