

ROGEO XYZ SERVICE

IN-LINE PRECISION PIPELINE ROUTE MAPPING AND STRAIN ASSESSMENT

Knowing the accurate position of your pipeline is crucial for managing your assets in GIS and for the planning of field activities like maintenance work and field verifications.

If your pipeline is exposed to ground hazards ROSEN RoGeo XYZ Service is a key element to assure the pipeline integrity by identifying pipe movement and bending strain.

THE SOLUTION

ROSEN uses latest high precision inertial measurement units to obtain utmost data quality for the RoGeo XYZ service. Detailed analysis of the highly accurate centerline data, to derive pipeline bending, enables reliable strain analysis.

Our well-structured, certified data evaluation process provides exact pipeline reference coordinates as an input for an illustrated plan, elevation and distance view. Furthermore, findings from other inspection can be geographically referenced with the same high accuracy.

Our versatile software suite ROAIMS easy visualizes the pipeline route and references additional multiple data sets like CP, DCVG, CIPS or other pipeline information.



KEY ADVANTAGES

- Easy location of all ROSEN in-line inspection findings, such as installations, metal loss, cracks, dents and other anomalies.
- Reduced inspection cost by combination with additional inspection technologies in one run.
- Highly reliable strain analysis by most accurate centerline data to comply with industry standards.
- Identification of complex features, e.g. pipe movement associated with wrinkles or ovality.
- High quality service with certified processes (API 1163), personnel qualification (ASNT) and equipment (CE, ATEX).

SERVICE OPTIONS

All aspects from the inspection request to the final report are covered with the flexibility to choose from various service options.

- Cleaning – operational and pre inspection
- Speed Control – inspection at high flow rates
- Multi-Diameter – pipelines with varying diameter
- BiDi – single entry pipelines
- Offshore – long distance and high pressure
- Post ILI – data alignment and combined evaluation
- Integrity – RBI, FFP, CGA and dent strain analysis
- ROSOFT – reporting and data management
- ROAIMS – versatile asset integrity software suite

TECHNICAL SPECIFICATIONS

Standard Operating Specifications

Tool sizes available	4"–56"
Pipeline product	Gas or liquids
Product temperature range	0 °C–65°C (32 °F–149 °F)
Maximum operating pressure	15 MPa (2175 psi)
Operating speed range	Up to 5.0 m/s (11.18 mph)
Minimum pipeline bend radius	1.5D
Maximum operating time	250 hours (depending on ILI tool basis)
Maximum inspection length	400 km (250 miles) (depending on ILI tool basis)

Note: Contact ROSEN for more detailed information.