

## Pipeline Integrity Management – In-Line Inspection (ILI)



Pipeline operators often use enhanced inspection and detection techniques such as in-line inspection to meet their regulatory, safety, operational, and reliability demands. EN Engineering has a team of highly-qualified and experienced engineers who provide in-line inspection support to pipeline operators.

With decades of operational and project experience, our professionals provide expertise in integrity management, design, engineering, corrosion control, metallurgy, and GIS data integration. EN Engineering can assist through the life cycle of the inspection or perform specific tasks including:

### Project Planning and Support

- ILI plan and procedure support
- Risk and threat assessments
- Method and tool selection
- Assessment scoping
- Contingency planning

### Engineering

- Feasibility and identification of required retrofits
- Retrofit designs
- Launcher/receiver designs (permanent or temporary)
- Excavation permit drawings

### Field Support

- Inspection services (retrofits; launcher/receiver installations)
- Location of above ground markers (AGM)
- Tool run project management
- Direct examination data collection
- Anomaly and metallurgical analyses
- Repair/replacement decisions

### Data and Post-Assessment

- Run-to-run analysis and growth-rate assessments
- Data review and anomaly classification/prioritization
- Integrated GIS and data alignment
- Dig selection
- Remaining life
- Unity plots
- Information Analysis (IA)
- Identification of preventive and mitigative measures

