

## Oil and Gas Pipeline Internal Corrosion and leakage Detection Technique

The oil and gas pipeline internal corrosion and leakage detection technique is to record the coordinates and dimensions of pipelines and detect pipeline deformity, corrosion, leakage and other defects through the operation of pipeline medium drive detectors in pipelines without the need of stopping pipeline transportation. Also, it can be used for measurement and analysis according to changes in pipeline wall and accurately position defects. Anton Inspection Company is one of the earlier third-party inspection bodies in China that have conducted oil and gas pipeline corrosion and leakage detection and owned independent equipment and service teams.

### Technical Characteristics

- Pipeline internal corrosion detection:
  - MFL and EMAT dual detection, ensuring highly reliable detection performance;
  - Multi-channel coordinate positioning for accurate positioning of defects;
  - Up to 5m/s operation speed of equipment, 1,000km single operating distance, with high detection efficiency.
- Pipeline leakage detection:
  - Maximum battery endurance duration of 110h, efficient and convenient, without the need of tube cleaning;
  - Real-time data access, fast provision of detection results and high degree of intelligence;
  - Better adaptability to high temperature, reducing, bending and other complicated operating conditions, with high reliability.

### Scope of services

- All types of crude oil, refined oil and natural gas pipelines;
- Various types of urban gas, water supply and drainage and heating pipes.

### Qualifications

- Strategic partners of ROSEN (Germany), PURE (Canada) and TDW (USA);
- Promoting technology localization through Cooperating with the pipeline laboratory of Shenyang University of Technology to promoting technology;
- 96 sets of internal corrosion and leakage detection equipment;
- A technical team consisting of 45 professionals capable of internal corrosion and leakage detection and evaluation.

### Performance

- Served Tarim Oilfield, Southwest Oilfield, West Pipeline, Southwest Pipeline, West-to-East Natural Gas Transmission Project;
- 5 years of industry service experience, with over 5,000km pipelines detected.

