



Pipeline survey services

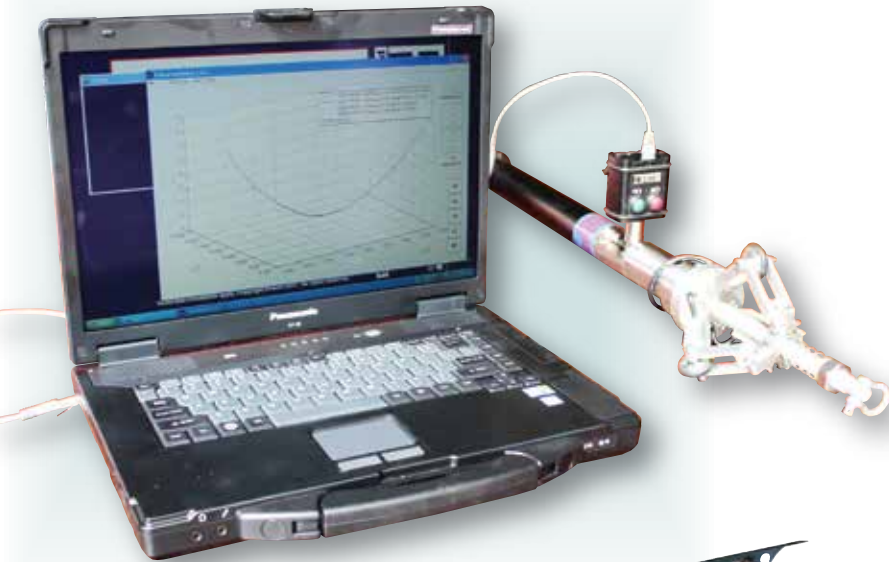
Taking advantage of more than 10 years experience as a leading field service company to the HDD market, Prime Horizontal offers post installation pipeline surveying using gyroscope technology.

With unrivalled customer service, fast reaction times, a flexible approach to client requirements and offices on four continents, Prime Horizontal offers this service worldwide using the field proven GyroTrack platform.

GyroTrack is a versatile and unique multi-purpose pipeline mapping system. With a proven track record on virtually every continent, this multi-diameter system provides the most accurate results on pipeline location.

A unique system of exchangeable centralizing wheel units gives the GyroTrack an operational range of ID80mm (3.15") to ID1200 (48"). Whether the pipeline is made of steel, concrete, HDPE or PVC, this mapping system will improve any HDD implementation procedure.

The GyroTrack tool with centralization, may be pulled either by a hand operated wireline or a mechanical winch. In certain cases, the tool may be pumped through the product line.



Interchangeable centralizers

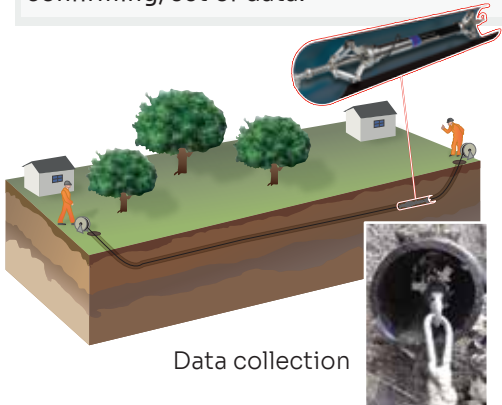


GyroTrack positioned in pipe

Data collection

GyroTrack operation is enabled after insertion into the end of the product line. Once physical location measurements are made, GyroTrack is pulled through the line at a predetermined rate, usually 1 to 1.5 m/sec.

After GyroTrack arrives at the other end of the product line, it is reversed and pulled back obtaining a second, confirming, set of data.

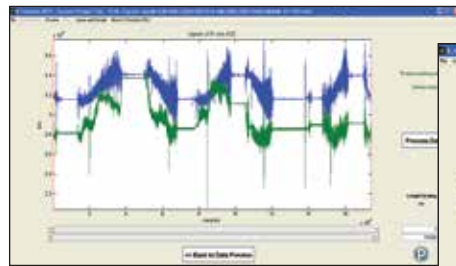


Data collection

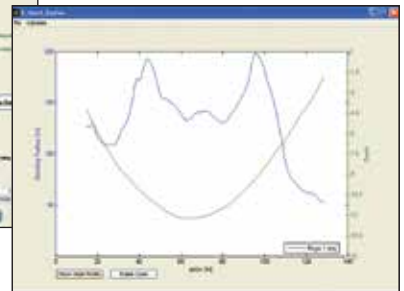
Data processing

Captured data is immediately checked on site to ensure data collection limits and quality control targets have been met. After confirmation, the data can be uploaded to the office through GPRS. An immediate on site Survey Report can be provided at this time. The report would include the following attributes.

- 3D pipeline profile
- Inclination analysis
- Bend radius report per customer defined intervals
- Job specification
- Job locations



Data processing



Data transfer to GIS

Output data can be exported to open platform formats for seamless integration in common GIS platforms such as:

- AutoCAD
- Excel
- MicroStation
- Text

A final report will be produced after office quality control of the survey.

Specifications

Diameter	3.15"/80 mm to 32"/800 mm	36"/900 mm	48"/1200 mm
Operational ID range	Fully variable in range	36"/900 mm	48"/1200 mm
System length	44"/1000 mm to 67"/1700 mm	47"/1200 mm	40"/1000 mm
Min. bending radius	180"/4500 mm to 26"/660 mm	2D	2D
System weight	3 kg to 8 kg	22kg	25kg
Logging rate	800hz		
Calibrated Accuracy	15cm in XYZ over a 500m distance between Way Points**		
Battery autonomy	> 3 hours		

** Accuracies subject to many environmental factors and are more closely defined within each Post Job Report. Specifications may change without prior notice.