

Site Investigation Services

Unmanned Surveying

UAV Surveying Capabilities

- State-of-the-art unmanned aerial vehicle (UAV)
- Efficient & superior alternative to traditional group based DGPS surveying
- Captures millions of data points instantaneously
- Trained & highly skilled surveyors
- Extensive experience performing UAV surveys internationally
- One 20-minute UAV flight = years of collection using traditional surveying practices

UAC Applications

- 3D Modeling
- Construction Progress Surveys
- Thermal Pipeline Leak Detection
- Vegetation Studies
- Pipeline Surveys
- Security Monitoring
- Power Line Surveys
- Volumetrics

UAC Applications

- Autonomous & pre-programmed
- 20-50 min. flight times
- 1-2 cm accuracy
- Directly uploadable data
- Significant cost savings
- Millions of data points collected

GPR Applications

Northwind's geotechnical site investigations include Ground Penetrating Radar (GPR) data collection and dissemination. Through this approach, we are able to provide our clients with quick and accurate information on a site's subsurface features.



Subsurface Feature Modeling



Cavity Detection



Groundwater Depth Detection



Utility Detection

