

LANDMIND

Lidar-Based Terrain Safety Tool

ACQUIRE
ANALYZE
ANSWER

When their risk is
your responsibility

PROTECTING ALL YOUR ASSETS

As a company you invest great amounts of time, money, and energy into maintaining the health and safety of your assets. NV5 Geospatial recognizes the need to extend that same diligence to managing the safety, health, and wellbeing of your most precious asset, your people. NV5 Geospatial's LANDMIND ensures your field crews have the best geohazard & vehicle obstruction intelligence available to keep them and your assets safe.

WHAT IT IS:

LANDMIND is a lidar-based terrain safety tool that identifies areas hazardous to humans or equipment.

HOW IT WORKS:

Hazardous features and locations are identified from lidar data using a moving window terrain analysis, which calculates a Topographic Position Index (TPI) across the scene. Quantum Spatial can either provide full data acquisition, or may be able to leverage the data you already own. The analysis can be configured to identify small ditches, acute slope changes, or obstructions such as walls, boulders & fences.

GEOHAZARDS IDENTIFIED:

- Ditches
- Ridges
- Walls
- Water Centerline
- Water Bodies
- Geohazards ROW

LANDMIND BENEFITS

- Can be performed with existing data
- Identifies access points in the right of way - geohazards that impact a particular access route for equipment, machinery, and bridges

