

OUR SPECIALIZED SURVEYING SERVICES

LIDAR Mapping

High-precision 3D point clouds for:

- Terrain modeling
- Infrastructure inspection
- Dense vegetation analysis
- Urban and industrial mapping

Drone / UAV Surveys

High-resolution imagery and models for:

- Construction progress
- Site planning
- Volume calculations & monitoring
- Environmental and coastal studies

3D Data Processing & Deliverables

Professionally processed outputs:

- Digital Terrain Models (DTM)
- Digital Surface Models (DSM)
- Contour maps
- Orthophotos
- 3D mesh models
- Engineering-ready CAD and GIS deliverables

DGPS / GNSS Surveys

Centimeter-accurate measurements for:

- Boundary & cadastral surveys
- Control point establishment
- Utility mapping
- Topographic surveys

The_Terranova 

Terra Nova 

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TerraNova
Passion Powered Precision Mapping

PASSION POWERED PRECISION MAPPING

We specialize in elevating your project value through precise geospatial intelligence



Advanced Land Surveying & Geospatial Mapping

At TERRANOVA Accuracy isn't just a goal. It's our standard. We deliver high-quality geospatial data using cutting-edge technologies including LiDAR, UAV (drone) mapping, and DGPS/GNSS surveying.

What sets us apart?

We are one of the few companies equipped with the LiGrip O2, the next-generation handheld LiDAR system from Green Valley International bringing unmatched precision and versatility to every project.

THE POWER OF LIGRIP O2

Next-Generation LiDAR. Unmatched Accuracy.

The LiGrip O2 is a multi-sensor, survey-grade LiDAR system designed for high-definition 3D data capture in any environment.

ADVANCED LAND SURVEYING & GEOSPATIAL MAPPING

Leading-edge technology:

One of the few survey companies utilizing the LiGrip O2

Exceptional precision:

High-accuracy, high-density geospatial data

Expert team:

Skilled surveyors, GIS professionals, and data engineers

Tailored solutions:

Customized to your project's terrain, scope, and complexity

Efficient execution:

Faster fieldwork, cleaner data, and reliable deliverables

Commitment to quality:

Rigorous quality checks on every dataset

Key Advantages



Survey-grade accuracy

centimeter-level precision for engineering-ready outputs



High-density point clouds

millimeter-level detail for structural and terrain mapping



Panoramic imaging

360° capture with integrated color cameras



Advanced SLAM technology

maintains accuracy indoors, underground, and in GNSS challenged areas



Flexible deployment

handheld, backpack, vehicle-mounted, or pole-mounted



Fast data capture

high scan rates for rapid fieldwork and reduced project timelines

With the LiGrip O2, we deliver data clarity and detail that traditional methods simply cannot match.

