NV5 GEOSPATIAL

MOBILE LIDAR

Mobile point cloud at a resolution of ~1,000 points per square meter (ppsm) and 0.08' vertical accuracy in terms of 95% C.I.

ACQUIRE ANALYZE ANSWER

NV5 GEOSPATIAL EDGE

NV5 Geospatial, powered by Quantum Spatial, is North America's largest provider of geospatial services, providing end-to-end solutions and innovative insights. We combine the widest array of advanced remote sensing technologies with proprietary processes, analytics tools, algorithms, and analysis tailored to meet our clients' needs.

MOBILE MAPPING

Mobile mapping provides the ultimate accuracy and resolution for transportation projects. These data are typically collected from an SUV, although we can also mount the sensor on a boat or ATV. NV5 Geospatial Mobile Mapping achieves point densities of more than 1,000 points per square meter at posted speeds with vertical accuracies to a few hundredths of a foot. This technology also has the significant advantage of seeing under bridges and underpasses, with the limiting factor of having access for acquisition.

RIEGL VMX-2HA / Mosaic 51 Spherical

We have integrated today's top-of-the-line mobile mapping sensor in the RIEGL VMX-2HA with the Mosaic 51 spherical camera. Two RIEGL 5 MP metric cameras are added to create the ultimate combination for transportation mapping.

ADVANTAGES

- Very high accuracy - RMSE of 0.04 feet
- Extreme resolution of 1,000 to 4,000 points per square meter (ppsm)
- Collection at posted speeds
- Can see "under" bridges
- Significant reduction in boots on the ground survey activities

CAPABILITIES

- Ultra high-accuracy and high-resolution mapping
- Detailed visual information within the spherical collect
- High-resolution, close-range metric frame imagery
- Transporation ROW Inventory
- 3D bridge height modeling
- Rail Networks
- Geospatial Program Management

For more information or to schedule a meeting contact nv5g-sales@nv5.com