

**NV5**

BEYOND MEASURE

**ACQUIRE
ANALYZE
ANSWER**

NV5 EDGE

Our geospatial services have strategic value in countless applications – from habitat assessment and land use planning to regulatory compliance, engineering design, and disaster preparedness. We've successfully delivered millions of acres of geospatial data to support projects for federal, state, tribal, private and non-governmental organizations.

CORE CAPABILITIES

Acquisition

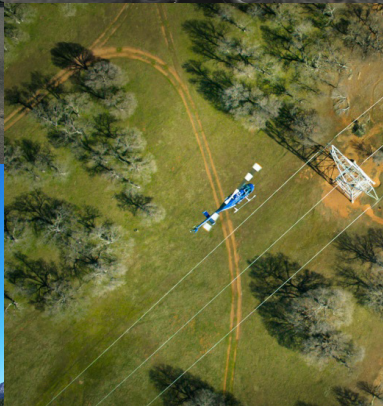
- Fixed Wing & Rotary Wing
- Lidar Sensors
- Digital Cameras
- Survey Units
- Mobile Scanners
- Unmanned Aircraft Systems
- Autonomous Robots
- Sophisticated Flight Planning

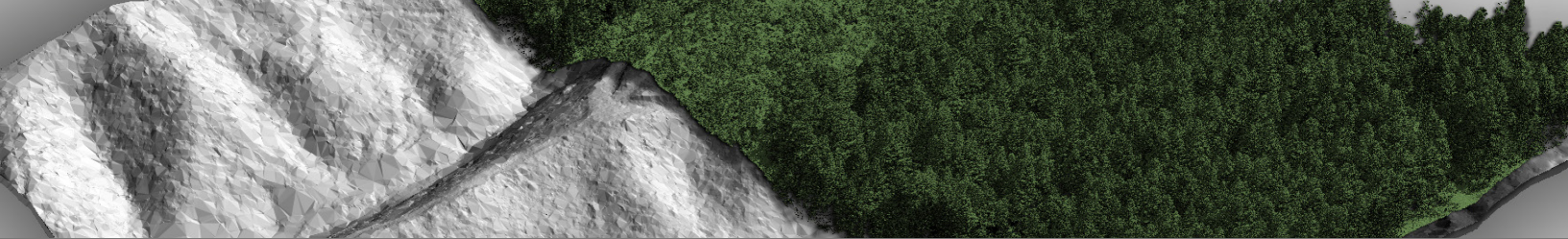
Data & Image Processing

- Lidar
- Topobathymetric Lidar
- Multispectral Orthoimagery
- Single & Multi-Beam Sonar
- Hyperspectral Imagery
- Photogrammetry
- Thermal Infrared Imagery

Analytics, Applications & Database Management

- INSITE Platform
- Enterprise GIS
- Predictive Analytics
- Land Cover/Land Use
- Forest & Wetland Inventory
- Vegetation Structure
- Hydrography
- Coastal Resilience
- Bioresource Mapping
- Geophysical Hazard Mapping
- Emergency Response

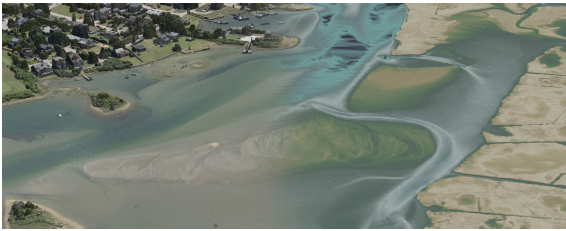




Good Data Leads To Better Decisions

“NV5 was a joy to work with on this task. All deliveries were either on time or early, and first time right.”

– US Geological Survey



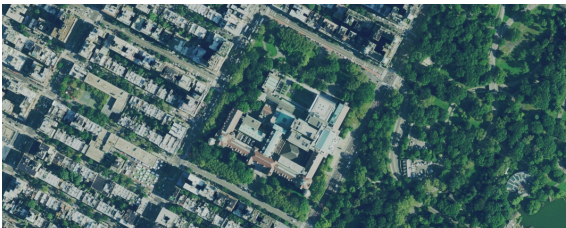
LIDAR (topographic & bathymetric)

Lidar-derived datasets provide valuable information for natural hazards planning, floodplain modeling, forest inventory and research, coastal resiliency, engineering design, land use planning, habitat mapping, discovery of cultural resources, and much more. We collect lidar data with engineering-grade accuracy and unparalleled resolution.



MAPPING

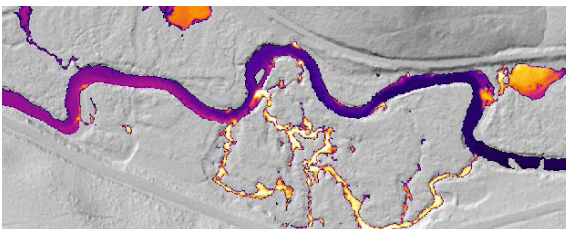
Using advanced photogrammetry and remote sensing algorithms, our custom mapping and visualization tools provide critical information for mapping land use/land cover, natural resources, forestry and vegetation, geophysical hazards (faults, landslides, floods), and the infrastructure of airports, utilities, buildings, and roads.



DIGITAL ORTHOIMAGERY

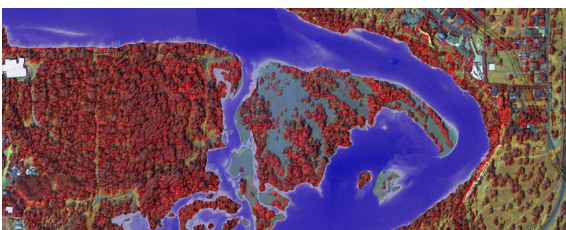
We offer natural and 4-band orthorectified imagery, collected with state-of-the-art digital systems at customized pixel resolutions and scales.

Our high-resolution imagery supports precision photogrammetry and advanced analytics through data fusion with other remote sensing data technologies such as lidar.



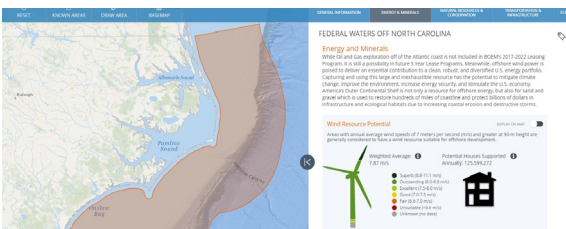
THERMAL INFRARED (TIR) IMAGERY

Pioneering the use of airborne TIR imagery to accurately depict temperature dynamics at high resolutions across broad spatial scales, our TIR imagery solutions can answer complex questions about fish and wildlife habitat, location and properties of geothermal resources, and building efficiency/heat transfer in urban settings.



MULTI/HYPERSPECTRAL IMAGERY

Airborne multispectral and hyperspectral systems enable precision mapping and in-depth analysis of vegetation, mineralogy, geology, soil moisture, water depth, and other landscape features of interest. The fusion of this imagery with lidar and other remote sensing data adds another layer of understanding to improve decision making.



ENTERPRISE GIS

Our eGIS solutions provide a powerful digital environment to visualize, manage, and interact with large amounts of data. We design integrated GIS solutions to aid in data management, decision support, mapping, visualization, planning, monitoring, data sharing, collaboration, and constituent engagement.