

# Unmanned Aerial Vehicles

DRONE technology is beneficial for:

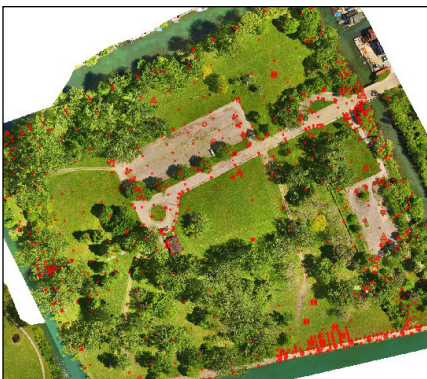
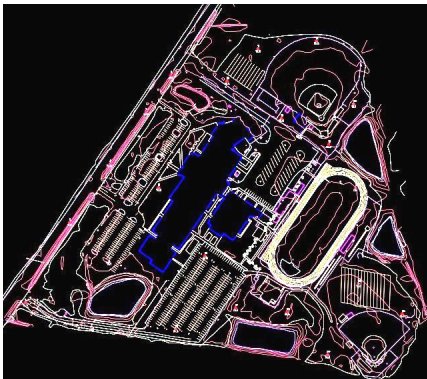
- Video and frame photography reporting and marketing
- Vertical and oblique angle perspectives
- Site visualization and analysis
- Monitoring construction progress
- Certifying compliance with proposed construction activities
- 3D topographic mapping
- Volumetric mapping (cut/fill, cross sections, stockpiles, material reserves)
- Orthophotography
- Structure inspections (bridges, turbines, transmission lines, pipelines, walls, dams)
- Thermal analysis (rooftops, equipment, structures)
- Agriculture monitoring (crop health, infestation, orchards, wineries)
- Disaster management



Air-Land Surveys (ALS) owns unmanned aerial vehicles (UAV) to provide clients with a new and beneficial avenue to see and map project areas. This device is also commonly known as a Dynamic Remotely Operated Navigation Equipment (DRONE).

Survey grade, true color, near-infrared, and video cameras, and LiDAR, thermal, and multi-spectral sensors can all be placed on DRONES to accommodate almost any aerial photography and mapping requirement.

Utilizing this technology can often trim time and money off project schedules and budgets. ALS can apply the expertise of our Federal Aviation Administration-certified remote pilot to assist with projects ranging from structure inspections to site design.



  
**AIR-LAND SURVEYS**

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