

Unmanned Aerial Vehicle (Drone) Surveys and Documentation



Experience

ECS has developed a fleet of unmanned aerial vehicles (drones) and remote sensing platforms to cost effectively capture aerial survey data, photography and video for smaller corridors and sites that do not warrant the cost of a full-fledged aerial survey. This

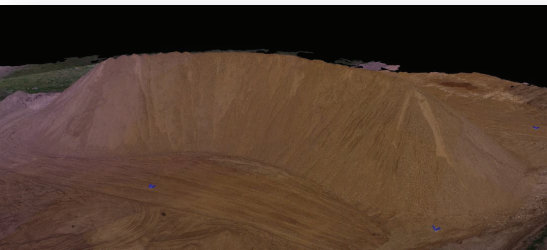
niche service offers our clients yet another choice from ECS between field/conventional data collection and fixed wing aerial survey. ECS has applied this technology for:

- Well connect corridor survey and as-builts
- Pad as-builts
- Site and corridor construction progress video
- Topographic and Quantity surveys

Commitment

ECS has a fleet of drones to match the project data collection needs and environmental conditions. The heart of any data collection platform is the remote sensing and camera equipment. ECS maintains platforms with flexible carriages and gimbals to adapt to project needs and safe transport. Capabilities include:

- Flight correction for position, angular velocity and inertial force for camera stability
- 360 Degree rotation and 120 degree tilt so capture more in a single pass
- 12 MP photos and 4K video at 30 fps
- Vision positioning for indoor facility flights
- Full HD live viewing



Success

ECS began utilizing drones for video construction progress documentation and as-builts in 2012 and have expanded our fleet and list of services rapidly. Our FAA licensed operator and data processing staff stand ready to discuss and meet your project needs.

- Deliverables include time-lapse progress videos, pad as-builts, above ground infrastructure mapping, topographic mapping and earth work quantity reports
- Uses include cost control and management, routing and pad expansion