

Ascend 360, part of The Response Group, provides safe, fast, and effective **Unmanned Aircraft Systems (UAS)** support. With the rapid development of UAS technology, Ascend360 has a fleet of UAS for operational support and emergency response. Ascend360 is integrated into The Response Group's core services, strengthening its stance at the forefront of the unmanned systems community. Ascend360 has a team of FAA-certified, and industry-vetted, experienced remote pilots with hundreds of hours supporting diverse UAS missions. Ascend360 is dedicated to providing high quality end user products and effective UAS services for all of your needs.

Inspection and Assessment

- Infrared and radiant heat detection
- Facility, vessel, and asset inspection
- Volatile Organic Compound (VOC) Leak and Vapor detection
- Right-of-Way Inspections

Mapping and Surveying

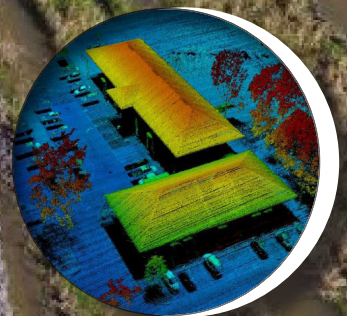
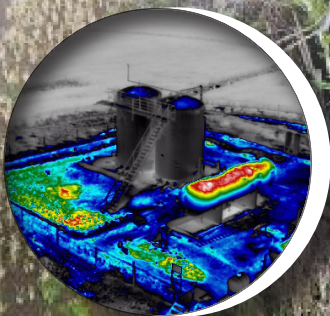
- Light Detection & Ranging (LiDAR)
- Real-time Kinematic (RTK) GPS mapping & modeling
- High resolution orthomosaic imagery
- Tactical Response Plan imagery
- Topographic and Control surveys

Emergency Response Support

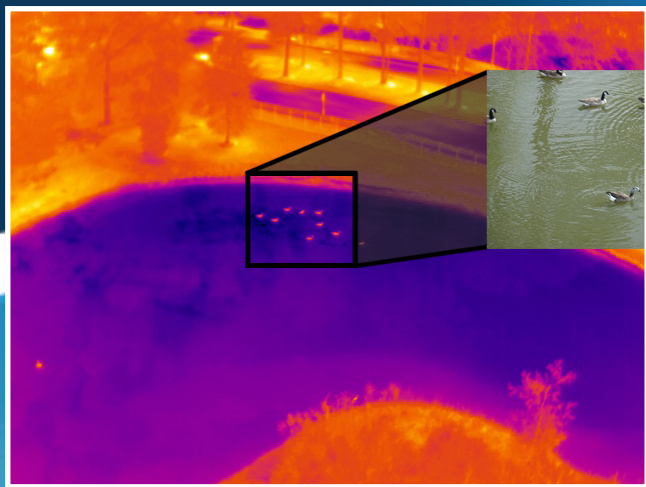
- Live video streaming
- Pre- and post-impact shoreline assessments
- Spill path analysis and surveillance
- Damage assessment and resource tracking
- Search and rescue mission support

BENEFITS

- **Enhanced Situational Awareness** – Providing real time imagery and streaming video services into field operations increases situational awareness allowing decisions to be made faster and more effectively.
- **Data Accuracy** – Advanced payloads and processing techniques increases the accuracy and timeliness of end-user products.
- **Risk Mitigation** – Integrating UAS mitigates overall risk associated with operations by reducing or eliminating the need for personnel to enter hazardous or prohibited areas.
- **Discrete** – Surveys using UAS are quieter and are less likely to disrupt the public or interfere with wildlife.
- **Cost Effective** – More cost effective than manned fixed-wing or helicopter flights.

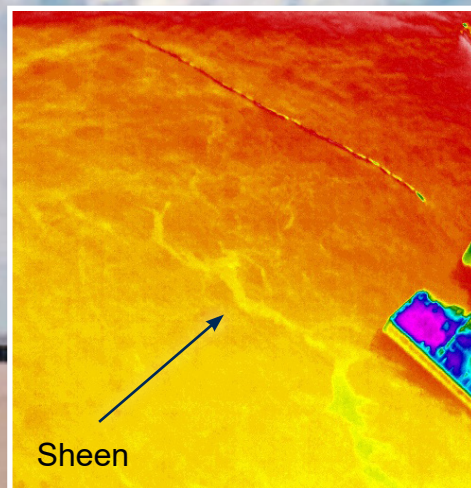
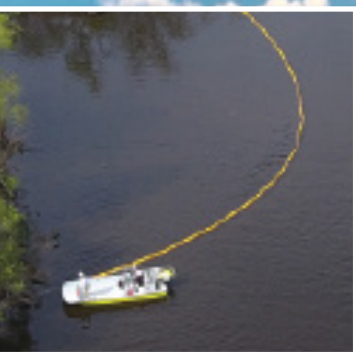


Facility Assessment

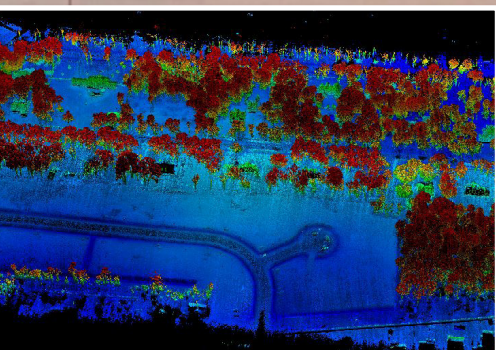


Environmental and Wildlife Assessment

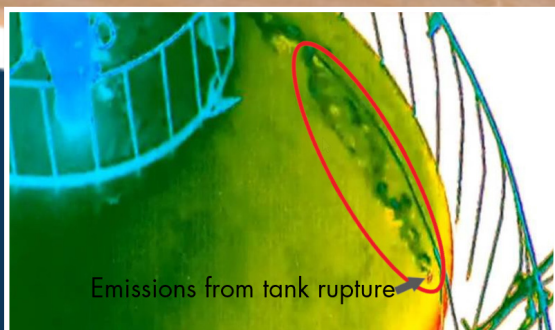
Resource Tracking



Spill Tracking



LiDAR Mapping



Optical Gas Imaging (OGI) and Methane Detection

