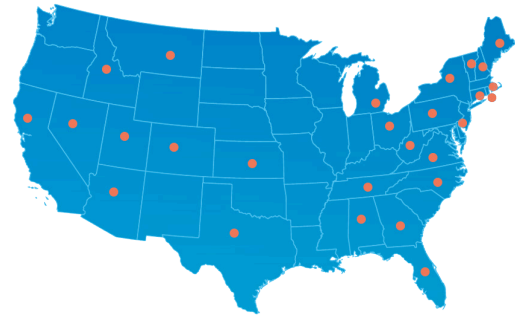




ARE Corporation's UAS Services division (dba AirShark) operates nationwide, providing an end-to-end solution for clients interested in leveraging drone technology across their operations. Our team of FAA Part 107 UAS Pilots are experienced with operating in high-risk environments near high-value assets. With an array of UAS platforms and specialized sensors, as well as the expertise to process data in-house, ARE provides a full-stack solution that enables safer, cost-effective, high-quality data collection and delivery on-demand.



ENERGY | Utility, Oil & Gas, Renewables
Transmission & Distribution Asset modeling, ROW & Vegetation Management, Structure Inspections, Hydro, Wind & Solar Inspections

CIVIL | Engineering, Construction, Institutions
Digital Surface/Elevation/Terrain models, 2D and 3D Mapping & Modeling, Progress Monitoring, BIM/VDC, Volumetrics (Cut and Fill), Building Envelope Inspections

TRANSPORTATION | Rail, Highways, Marine/Ports, Aviation
Progress Monitoring and Project Documentation, Critical Infrastructure Inspections, Volumetrics (Cut & Fill), As-built's and Existing Conditions

ENVIRONMENTAL | Coastal Wetlands, Mining, Geology
Supporting Phase 1 Assessments, Coastal Erosion, Wetland Monitoring, Stormwater Monitoring, Rock Face Analysis, Mine Reclamation & Aggregate Inventories

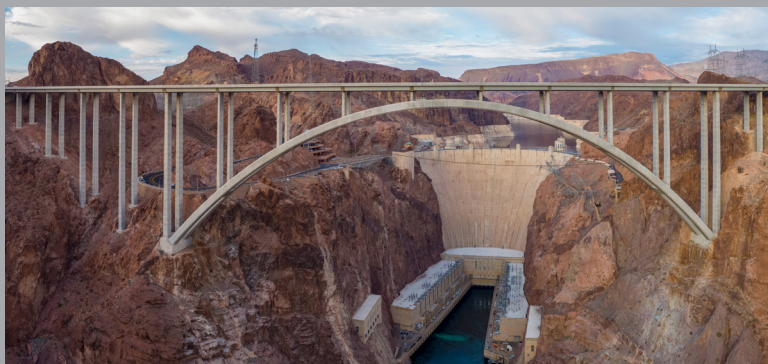
DIFFERENTIATORS

- Operations Over People (FAA Approved)
- Nighttime Operations Approved
- Rapid Response Capabilities
- Level 1 Certified Thermographers

TRANSPORTATION PROJECTS

AIRSHARK

AN ARE BRAND



PAT TILLMAN MEMORIAL BRIDGE INSPECTION

Stantec Inc.

Boulder City, Nevada

ARE provided multi-sensor inspection data in collaboration with Stantec Inc. and NVDOT of a 16-span, 1,244-foot long concrete gravity arch bridge crossing the Colorado River adjacent to the Hoover Dam. Photo and video documentation was captured of each side of the 14 piers inspected.

SERVICES PROVIDED

- Visual Inspection
- Thermal Inspection

DELIVERABLES

- High-Resolution Still Images
- Thermal Images
- Edited Video

THERMAL & VISUAL INSPECTION



OHIO RIVER RAIL BRIDGE INSPECTION

Watco Companies

OHIO - WEST VIRGINIA BORDER

UAS plays a pivotal role in rail bridge inspection for ARE. This bridge included deck girder approaches and five through trusses, totaling 3,904 feet in length, that would typically take 3-4 days to inspect. Utilizing ARE's UAS capabilities, our field engineers are able to complete the inspection in less than a day. Along with increasing mobility and efficiency for ARE inspectors, the utilization of UAS aids in creating detailed image documentation for use in asset tracking year to year.



DELIVERABLES

- High Resolution Still Images
- Initial Defect Documentation
- Comprehensive Inspection Report

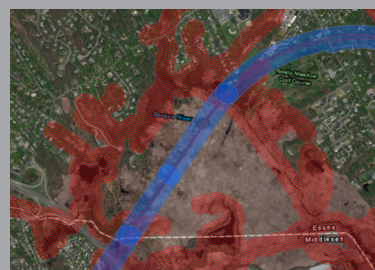
COMPREHENSIVE RAIL BRIDGE INSPECTION



GIS PROCESSING FOR VEGETATION MANAGEMENT KEOLIS

BOSTON, MASSACHUSETTS

ARE is working with KEOLIS to identify areas along the Right of Way for vegetation management. Using GIS techniques, color infrared imagery, and automated tools, ARE's GIS team identified potential areas where vegetation management is needed. With these areas identified, ARE then provided detailed maps showing locations where vegetation management should be performed. Sensitive habitats where endangered species reside and areas in close proximity to drinking water resources are being considered.



DELIVERABLES

- Orthorectified map to identify Vegetation Management concerns

DATA ANALYTICS & PROCESSING