![ARC®]

Introducing **Drone Technology** by ARC

Use drone data to automate and optimize decision-making on the jobsite by utilizing our network of 15k Licensed Pilots offering nationwide coverage

Smarter construction

ARC makes it easy to get jobsite reporting from your drone data and convert aerial data into models and actionable information.

Make your jobsite safer, inspections more accurate and progress tracking more efficient.

Get reporting and insights from your drone data

A turn-key platform that uses drone data to automate and optimize assessment, reporting and decision-making on the job

A single source for nationwide reach
With more than 15,000 licensed pilots in the U.S.
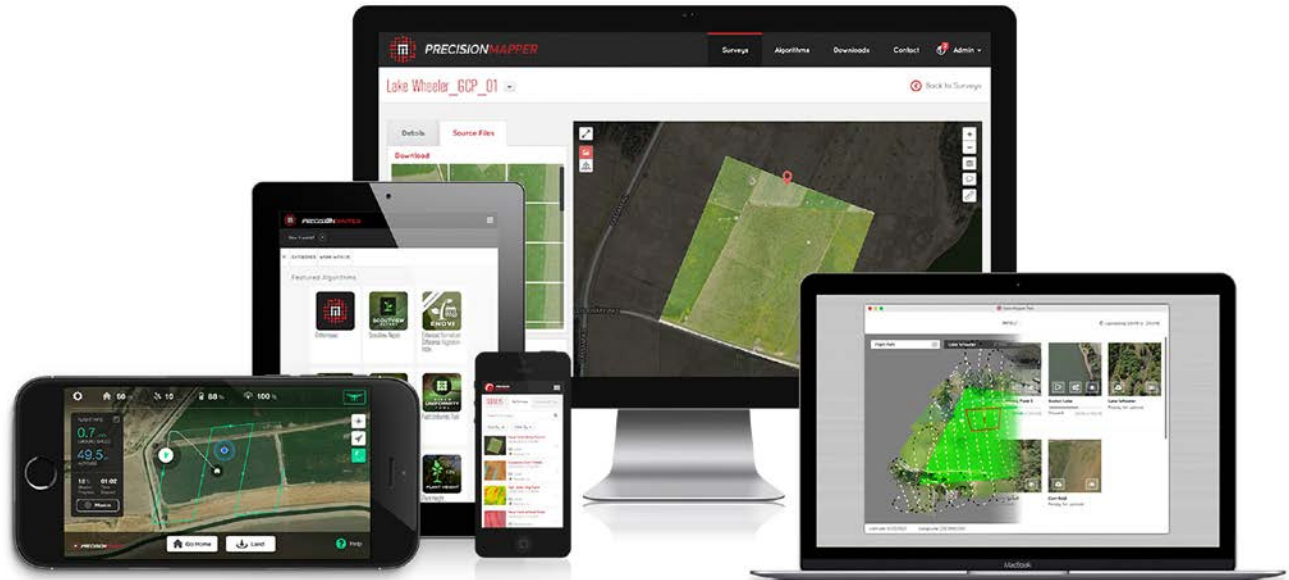
Fast deployment and delivery
Pilot procurement and data delivery are optimized to deliver imagery in as short as 24 hours

Safe and compliant operations
Licensed operators fly missions under the applicable regulatory protocol required by the FAA

ARC **Drone Service** Applications

- Land and Site Surveys
- Jobsite Progress Tracking
- Site Conditions
- Jobsite Inspections
- Safety Surveys
- Photo and Video Capture
- LiDAR and Thermal Scanning
- 2D and 3D Mapping
- BIM Conversion

Facing today's challenges:
How aerial intelligence is enabling **smarter design and construction**

Cost overruns

Problem

Cost overruns are endemic in construction projects resulting from current practices.

Cost

9 out of 10 large projects experience a cost overrun – average escalation is 28%. Half of small infrastructure projects experience a cost overrun – average escalation of 10%.

Current approach

Traditional survey, site, safety inspections and jobsite progress monitoring methods are time- and resource-intensive, and inaccurate. Drone data provides accurate, real time data enabling proactive measures preventing rework.

Delays

Problem

Schedule delays are pervasive in building construction projects resulting in cost overruns and penalties.

Cost

Large projects across asset classes typically take 20% longer to finish than scheduled and are up to 80% over budget.

Current approach

Traditional construction administration, jobsite progress reporting, and coordination methods do not deliver the needed jobsite intelligence to pro-actively avoid issues that result in delays.

Site safety

Problem

Falls on construction sites, cell towers, roofs, and scaffolding inspections lead to workers injuries and cost exposure.

Cost

The average direct cost of a single compensation claim from a fall is $42,000. The indirect costs (ex. work stoppage, replacement) are 2.7x greater than direct costs.

Current approach

Ground-based practices have inherent safety risks that can be mitigated with Drone technology.

Surveying

Problem

Many project sites are difficult to get to, dangerous for traditional survey crew to access.

Cost

Traditional surveys can take several days to collect and process data incurring travel, insurance and equipment expenses compounded by the longer time frames to complete the work and safety risks.

Current approach

Traditional surveying methods are time consuming and resource intensive. Drone based LiDAR can capture data in 60%-70% less time.

Utilizing Drone Technology will deliver improvements in all these areas

Contact us to find out more about Drone Technology

ARC®