



# On-Demand Drone Services

Nationwide pilot network to support every project site



PART OF ARC'S  
**DESIGN AND  
CONSTRUCTION  
PRODUCTIVITY SUITE**

ARC's **Productivity Suite** is designed to meet your needs from site-mapping to closeout. Everything you need and anywhere you need it, available through a single-source provider.



#### Scalable

Use these tools and services - standalone or combined - on one job or many - to multiply the impact on your projects.



#### Comprehensive

This single-source of resources seamlessly enhances your project workflows and fills the gaps.



#### Smarter

Improve performance at every stage of the project lifecycle with increased intelligence - driving smarter decisions.



**90% of large infrastructure projects** and 50% of small projects experience cost overruns. While some project delays may be unavoidable, regularly using drones to monitor your site's progress can proactively identify potential problems before they become major issues—causing rework and delays that keep you from delivering projects on time and within budget.

**Drone data and images** offer a critical 360° view of your jobsite during construction that can't be matched by conventional methods and stationary photos.

Keep all stakeholders updated, equip marketing to showcase projects and provide project managers actionable jobsite intelligence to prevent errors, reduce costs and minimize safety risks.

## Aerial intelligence for smarter construction

The days of hiring manned aircraft or using stationary webcams to capture progress of your construction jobsite is a thing of the past.

Reduce risk, time and cost using ARC's drone services and data to automate and optimize decision-making on the job. From jobsite monitoring and progress-tracking to site condition reviews and inspections, you now have aerial intelligence for smarter construction.



### **A single source, nationwide reach**

Access our network of more than 15,000 commercially-licensed drone pilots in North America.

### **Faster deployment and delivery**

Pilot procurement and data delivery are optimized to deliver imagery and video in as little as 24 hours.

### **Safe and compliant operations**

Licensed and insured operators fly missions under the applicable regulatory protocol required by the FAA.

# On-demand drone services for every stage of your project

**Smarter Construction** starts with detailed, dynamic data. With ARC's drone services, you gain access to a nationwide fleet of FAA-compliant, licensed drone pilots that can be on site in as little as 24 hours to capture the data you need to make smarter decisions.

**ARC's drone network** captures superior quality data using high resolution cameras for photos and videos. A range of advanced sensors capture LiDAR, Thermal, IR and other data. Service applications include:



## Jobsite Progress Tracking

Document progress for periodic project reporting and improve visibility to all team members.



## Site Conditions

Capture site conditions more efficiently and consistently and share with project teams.



## Inspections

Conduct visual inspections of project sites including high-risk areas and reduce health and safety risks.



## Marketing

Utilize aerial photos and videos for social media, website and community relations.



## Project Pursuit

Capture Pre-bid data for integration with 3D designs, animations and renderings.



## Safety

Aerial inspections identify safety compliance, structural, and other safety hazards in real-time.



## 2D and 3D Mapping

Acquire mapping data for marketing, project pursuits, Civil 3D models, and volumetric calculations.



## LiDAR to BIM

Produce 3D Models with Drone-generated point cloud data at a lower cost than ground-based mapping methods.



## Thermal

Roof and structural facade inspection data drives analysis and early issue detection.

# All the resources you need in one place

## ARC's Design and Construction Productivity Suite

is built to meet your needs from site-mapping to closeout. Everything you need and anywhere you need it, available through a single-source provider.

The power of the Productivity Suite is realized when a combination of complementary tools and services help you aggregate project intelligence to track project progress, monitor job-site conditions and proactively detect design and constructability issues.

Exponential layers of value in the form of increased productivity, shareable project intelligence and reduced costs are realized as additional solutions are put into use.

