

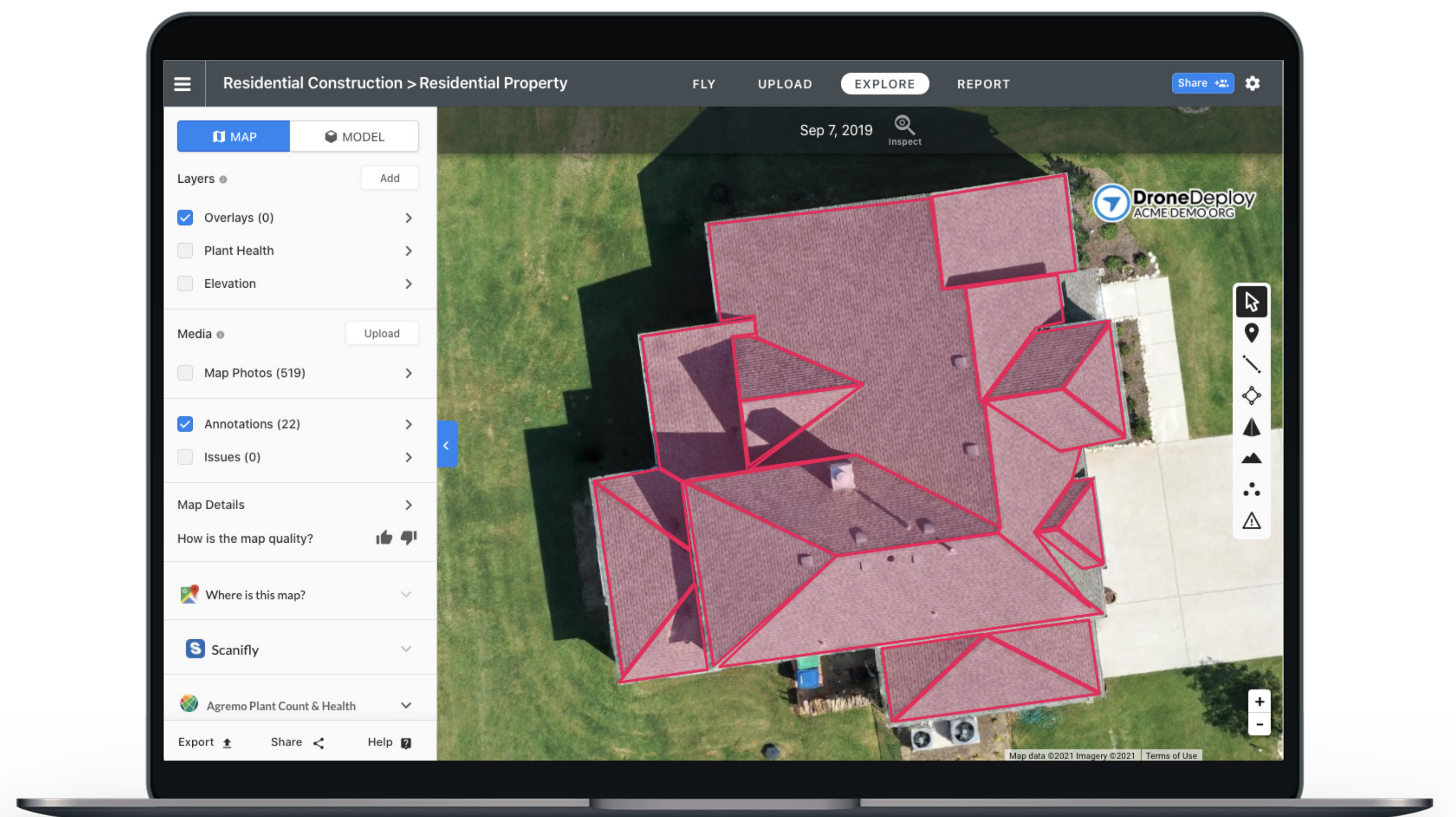
Cut Costs & Improve Coordination with Digital Replicas

The installation and maintenance of solar infrastructure can be a time-consuming and hazardous process. With the demand for renewable energy rising, solar companies need to leverage robotics to step into laborious and dangerous tasks associated with solar facilities.

Solar Panel Roof Design & Installation

Drone-powered assessments reduce design time by **2X** and reduce time spent on-site by **3-4X**.

- Worker safety is improved due to reduced time spent on roofs with automated drone mapping.
- A 3D model created with drone imagery can be used for roof measurements, which are over 99% accurate and are used to create engineering-grade roof reports. Export via PDF, DXF, JSON, and SHP.
- A single source of truth streamlines project coordination, site surveys, and design.
- Design teams can receive roof reports automatically via APIs, which also enable more accurate installation forecasts.
- Sunrun has seen a 35% reduction in fitment issues during installation.



Now, surveyors spend less time on the roof while still providing customers with high-quality outputs.”

— Emily Ineman, Sr. Project Manager, Operations, Sunrun

Commercial/Utility Solar Construction

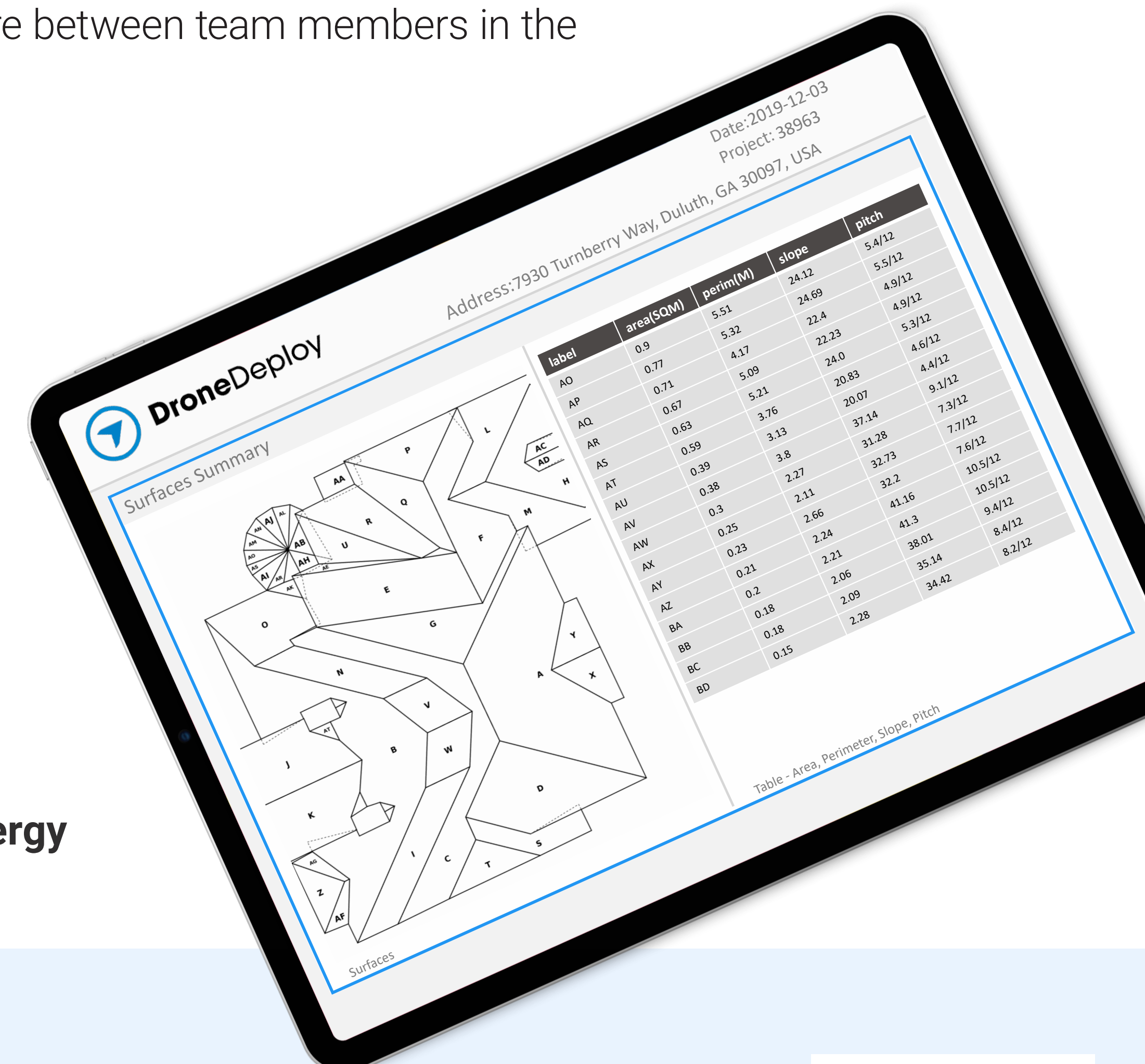
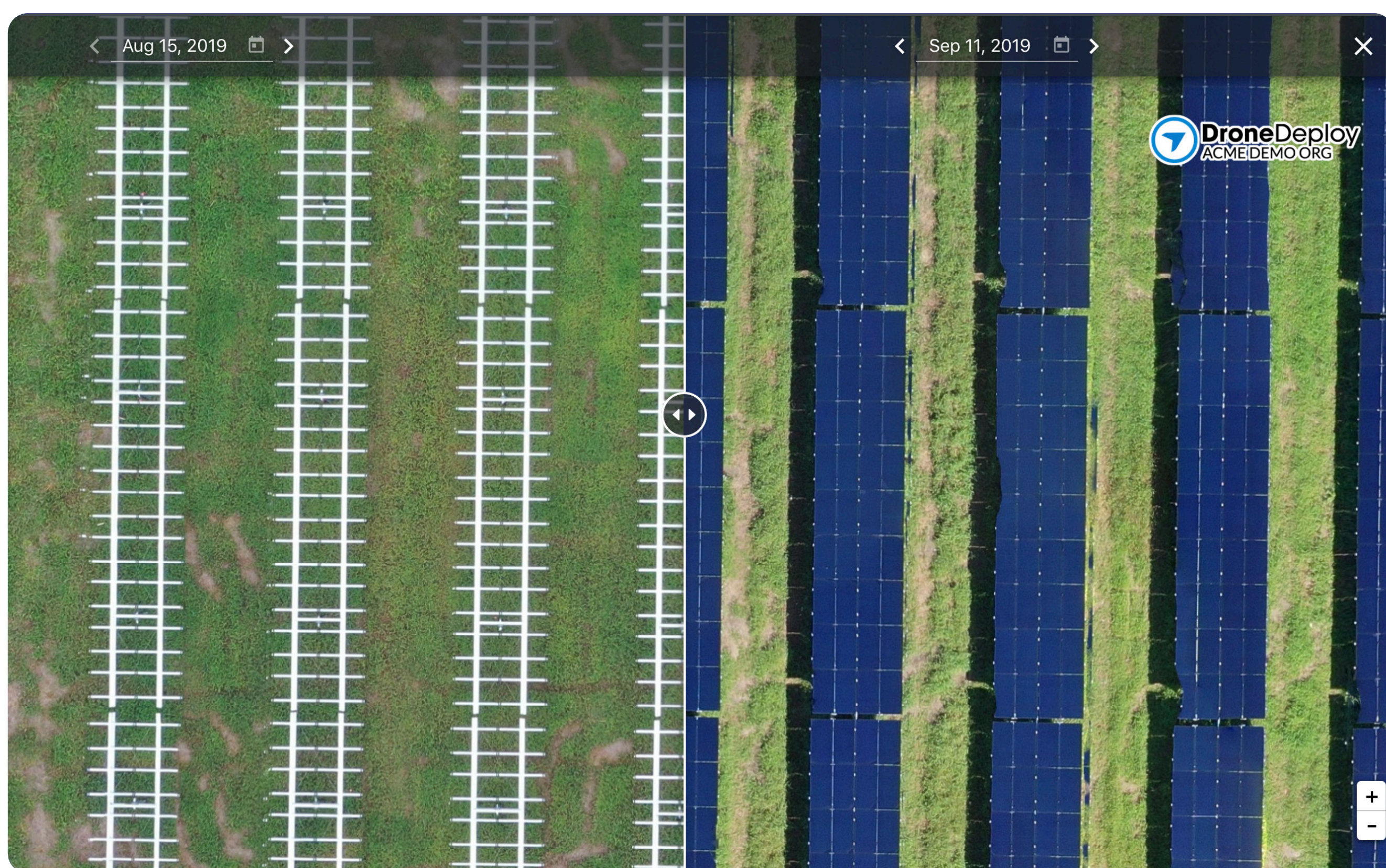
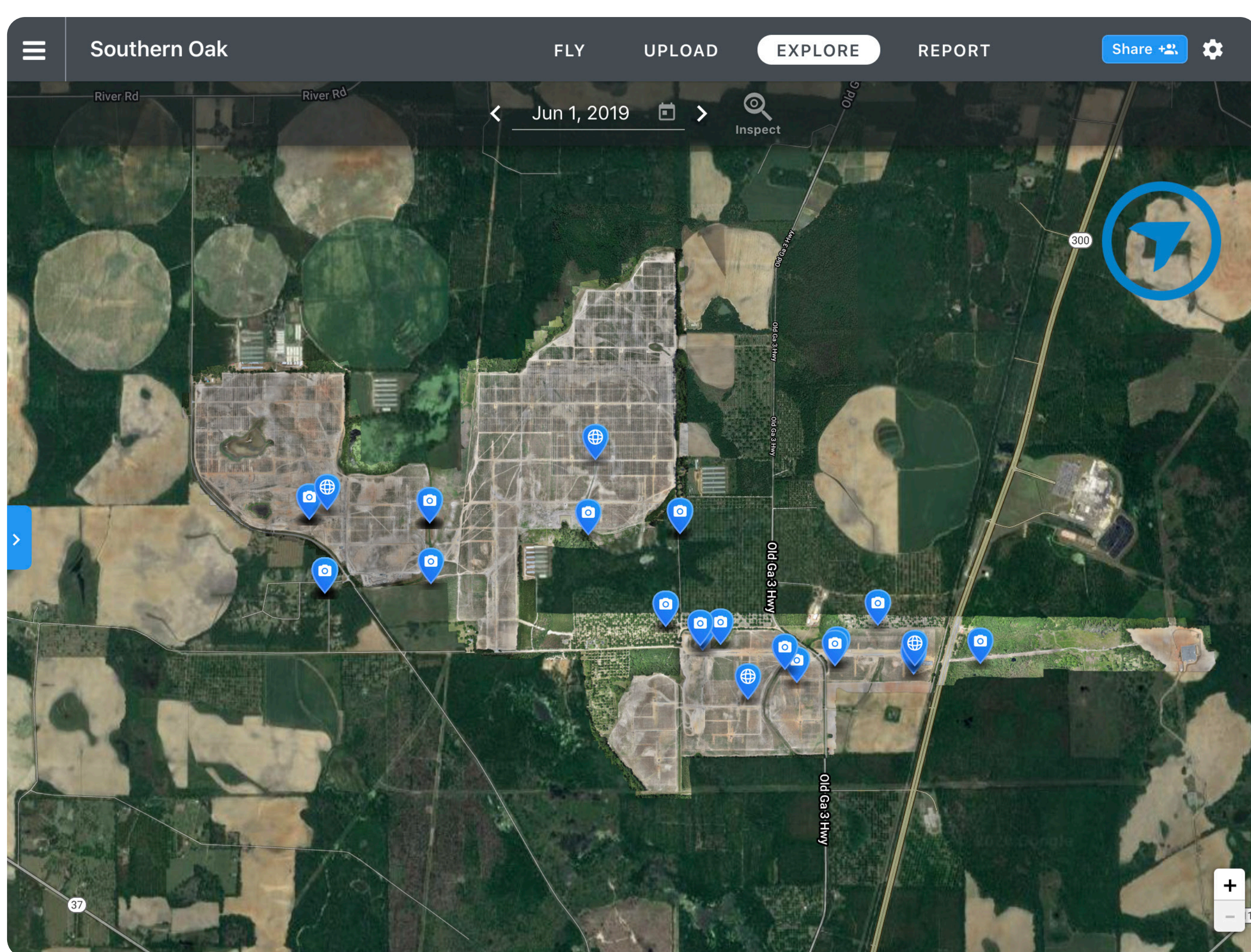
Survey land **10x faster** than traditional methods

- Keep projects on track and within budget. 10x faster surveys mean reduced costs and faster project turnaround.
- Real-time drone and ground data captured with automated flight plans enable project managers to easily track subcontractors’ work.
- Project data, site surveys, and visual documentation are stored as a single source of truth for streamlined collaboration.
- Cloud-based processing enables quicker site assessments and accurate documentation to share between team members in the office and the field.



We have been able to cut costs and design time for our solar developments using [reality capture] data.”

— Sam Marking, Assistant Project Manager, Invenergy



Learn more: dronedeploy.com/solutions/renewable-get-a-demo/

About DroneDeploy

DroneDeploy is the leading enterprise-grade site reality platform. Trusted by brands globally, our software converts job sites, structures, and assets into easy-to-understand digital representations, generating valuable insights for industries including construction, energy, and agriculture. Through mapping, 3D modeling, 360 virtual tours, analysis, and reporting, we provide a detailed and accurate digital replica of any asset, enabling our customers to take action, save time, and lower unforeseen costs.

