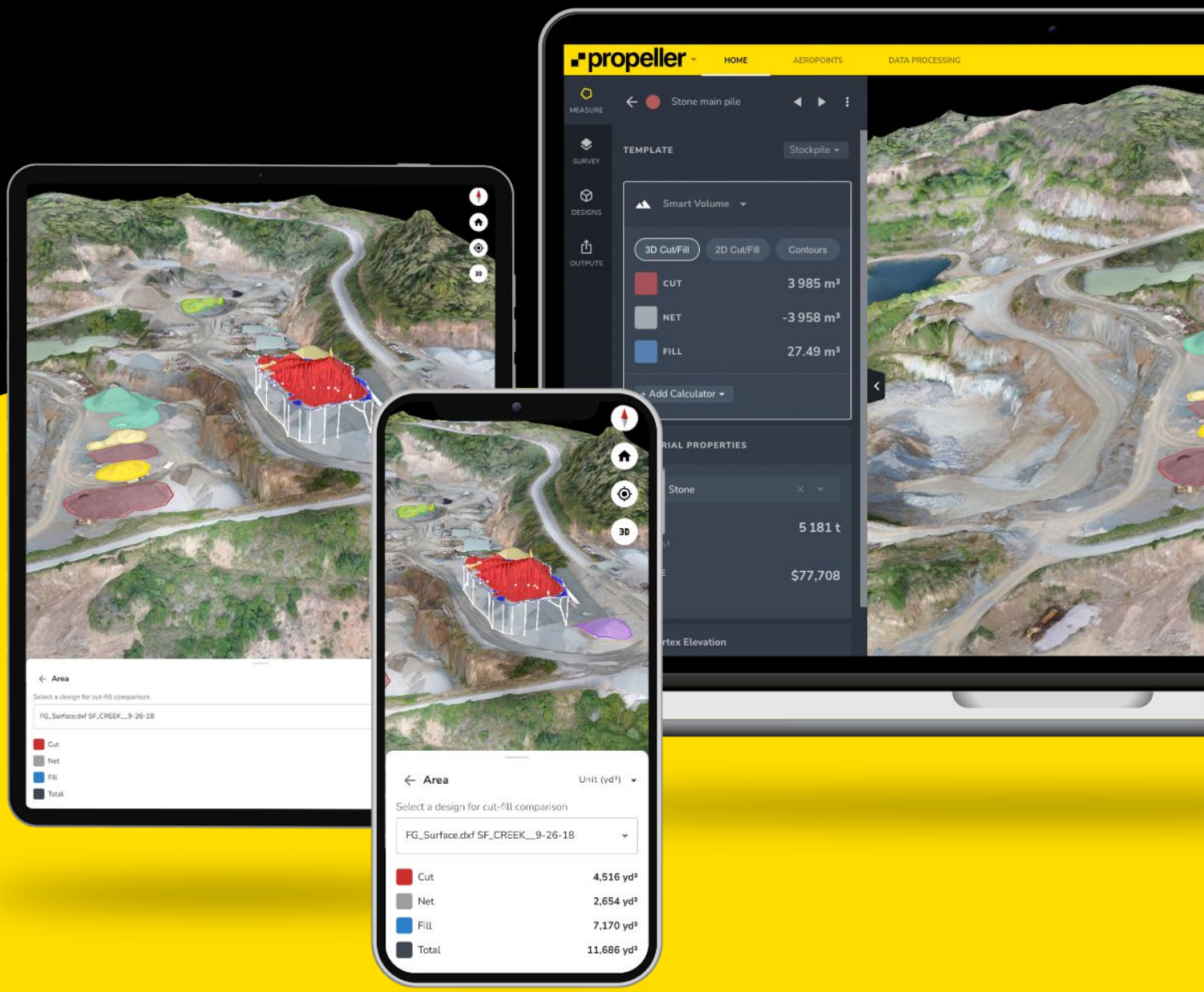
Capabilities Statement

Propeller

2026



Powered by propeller

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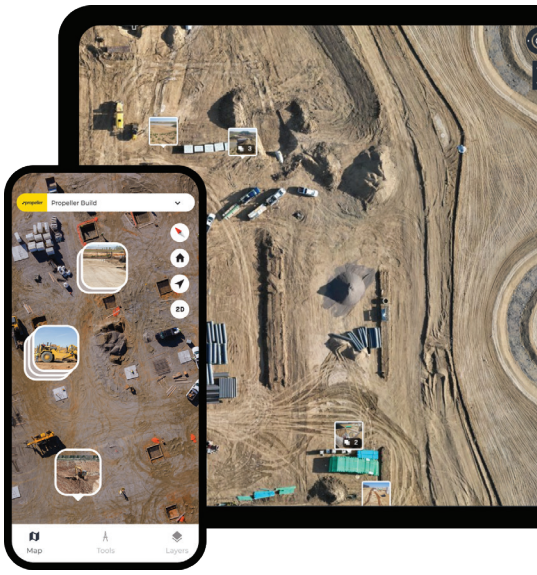
Meet Propeller.

Your geospatial data hub.

Propeller is a cloud-based workspace where project and production teams meet to map, measure, and manage site activity with survey data.

- Access anywhere, on any device
- Interactive 3D survey experience
- Simple reporting + analytics templates
- Surface comparisons + conformance checks
- Flexible data integrations
- Centralized media + 360 photos
- Real-time collaboration
- Single-time sign-on



20K
worksites powered by Propeller

170K
users collaborating on the map

76K
reports created and shared

Accurate

Turn survey data into an interactive map that everyone can understand and use to make informed decisions.

Any device

Access Propeller from any device and use the mobile app to take maps into the field.

Easy

Eliminate information bottlenecks by empowering your teams to measure and manage their sites themselves.

Scalable

Scale up stress-free with our on-demand survey processing that's managed by a team of GIS experts.

Manage it all from one map.

Make the map a meeting ground where project teams can access critical insights on their own and collaborate effectively.

- Centralize your project data
- Track progress with ease
- Keep your site on record
- Generate reports instantly
- Measure with 1/10ft (3cm) accuracy
- Visualize your site in 3D

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Our solutions

PLATFORM

Propeller

A single cloud-based 3D map including surveys, designs, and machine data.

HARDWARE

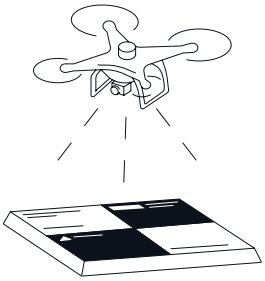
Aeropoints

Smart ground control points.

SERVICES

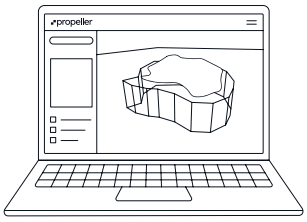
Survey Processing

Expert data processing for lidar and photogrammetry.



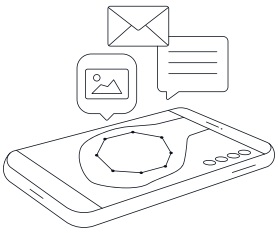
Map

Fly your site, upload your data to Propeller, and get a survey-grade 3D map back within hours.



Measure

Replace tedious manual measurements and guesswork with instant calculations.



Manage

Check in with your team and share progress with your clients in just a few clicks, accessing critical insights from any device to power up your productivity.

Your geospatial data hub.

Centralize your surveys, machine data, designs, and photos to keep project teams on track. Propeller's cloud-based workspace is where project and production teams meet to collaborate from one central hub, accessing critical insights without waiting on an expert. With information more accessible and centralized in one hub, everyone's workflows are simpler, faster, and smarter.

Data corrections after you fly

PPK ensures accurate survey results by automatically correcting unreliable real-time position signals after you fly. The images and GNSS data collected by your drone are corrected against data from a base station (AeroPoints) for repeatable and reliable survey data.

- Drone records GNSS data and geotags images during flight.
- AeroPoint records positional data with more accurate triangulation.
- Propeller's automated post-processing reconciles both datasets using timestamps, correcting to centimeter-level accuracy.

Automatically process and correct your survey data from anywhere within the Propeller Corrections Network.

Make accuracy your win

The right way hasn't always been the easy way—but we think it should be.

Propeller is flipping the script with simple, smart survey solutions that are accurate enough for experts and easy enough for everyone else.

The right data

Capture and process survey-grade data quickly using automated, high-accuracy hardware and software that keeps all your project files in one place.

The right people

Collaborate from a single map where your team can measure and manage progress from any device, anywhere. Share surveys, designs, media, and machine data between different teams and stakeholders.

The right calls

Everyone can access the information they need to make better decisions, faster. Your site on record means ultimate transparency, clear communication, and earned trust.

Track earthwork quantities, instantly

Empower your team to calculate exactly how much material they need to move and document site conditions in minutes. With on-demand cut/fill quantities accessible from any device, your team can get accurate earthwork volumes in just a few clicks.

Simplify complex data with 3D maps

The map is where collaboration happens. Keep everyone on the same page with 3D visuals and point-and-click measurements that are universally understood. Generate and share reports in seconds, communicating site conditions faster than ever before.

Keep the past, present, and future on record

Prevent disputes and rework with a visual timeline of the entire project lifecycle. Compare your recent survey against design to understand what's left, or past surveys to validate completed work.

"The whole process is so easy, I could almost have my kid do it."

— Philip Andsen, Svevia

"Everything before that had to be done by hand, either with a GPS or total station, would have taken days. Now, I can do it in a couple of hours with a drone and get more accurate data."

— Justin Russell, Fiore & Sons

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Imports

Designs

- GEOTIFF
- Land XML
- TTM
- DXF
- KML
- KMZ
- CZML
- IFC

Media

- 360 photos
- JPEG

Survey

- Geotagged JPEGs
- AeroPoints
- GCPs

Point cloud

- LAS/LAZ

Pre-processed

- GEOTIFF

Exports

3D model

- DXF

Contours

- DXF

Media

- 360 photos
- JPEG

Shapefile

- CZML

Point cloud

- LAZ

Orthophoto

- GEOTIFF
- JIFF
- JPEG

Measurement outlines

- DXF
- KML

Survey boundary

- GEOJSON

"Savings on labor costs alone have been considerable. We can now obtain detailed project data within a second rather than sending someone to survey for information."

— Jonathan Wills, Surveyor

"Sometimes you find yourself in a fingerpointing match. Propeller takes all of that away. We have a picture of the site from two days ago to prove we're not behind."

— Rory Hall, Operations Manager

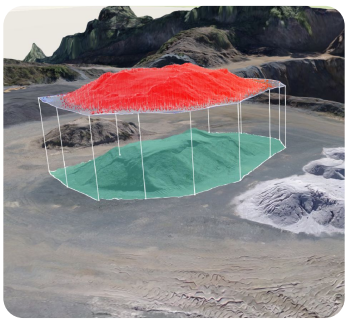
"We believe that investing in cutting-edge technology is key to staying ahead of the curve, and our partnership with Propeller is a testament to that."

— Michael Clark, Director of Field Engineering

Find out what it's like to be powered by Propeller.

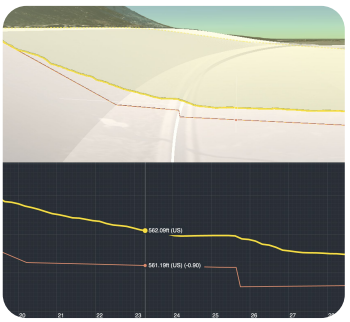
propelleraero.com

User-friendly Measurement Tools



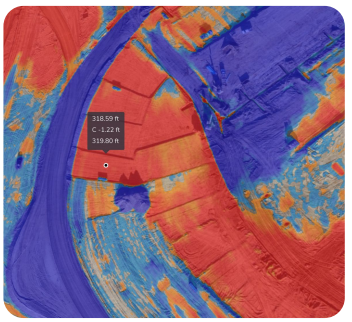
Volume + stockpiles

Measure the volume of material in any given area on the map.



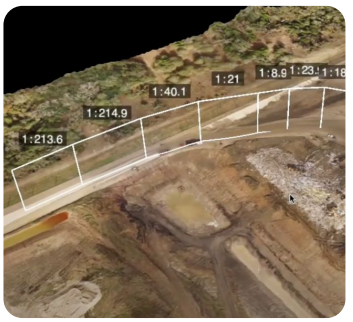
Cross section

View a cross-section along a specified line.



Cut-Fill

Survey-to-Survey and Survey-to-Design



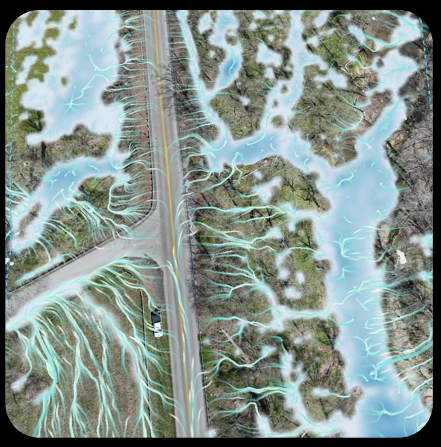
Slope angle

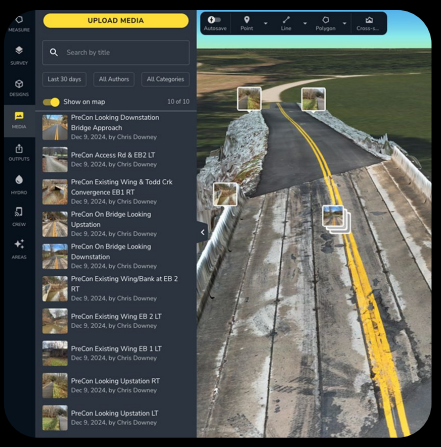
Draw a line along any slope to calculate the slope angle in degrees, as a percentage, or a ratio.

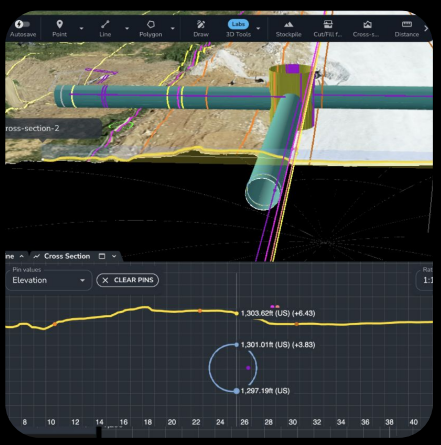
Survey-Grade Analytics

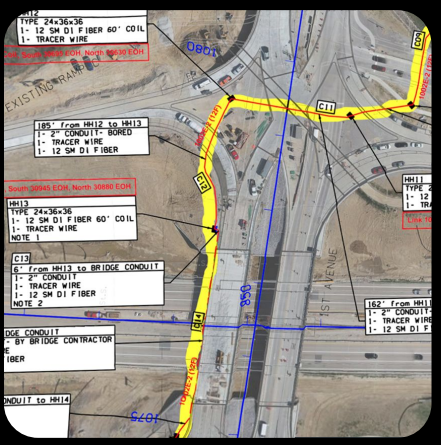
Propeller empowers entire project teams with survey-grade analytics, without needing to use technical Survey and CAD software, to work simpler, faster, smarter.

- Centralized data management
- Visual record-keeping and proof of work done for client updates
- Progress tracking and cut/fill measurements
- Design conformance checks
- Safety monitoring
- Field collaboration + mobile
- Subcontractor management and claim validation
- Markup
- Hydrology analysis
- Environmental compliance + monitoring
- As-built verification









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Your success is our top priority, 24/7.

Getting started with Propeller is easy, and we're with you every step of the way. From on-demand resources to live onsite training and ongoing support from our team of experts, we work as an extension of your project team.

24/7
Access to expert support

80k
Users supported by Propeller

365 days
A year chat support with real humans

Dedicated expertise

A dedicated Customer Success Engineer is there to keep you on the right track and help maximize your investment.

Self-guided learning

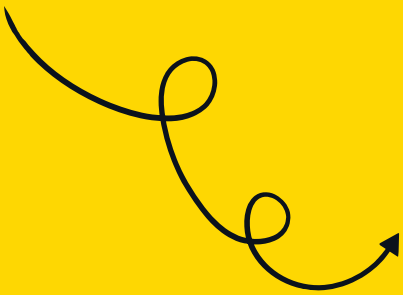
Sharpen your skills with our expansive database of how-tos, training modules, and interactive courses.

Industry knowledge

Think of our industry folks, data nerds, and hardware experts as an extension of your team. We're in it for you to win it.

How can smart surveys change your workflow?

- Simple, automated workflows
- Proof of work
- Better collaboration
- Safer site conditions
- Competitive edge
- Higher margins



"We can have someone jump in, and within 10-15 minutes, they're measuring stockpile volumes and cross-sections. If you can use Google Earth, you can use Propeller."

— **Leigh Carnall, Civiltech**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Propeller Build
2D
Map
Tools
Layers
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Propeller Build
Map
Tools
Layers
propeller
Propeller Build
Map
Tools
Layers
propeller
Propeller Build
20 ft
Polygon
Unit (sqft)
UNDO POINT
ADD POINT
VIEW POLYGON

Thank you

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