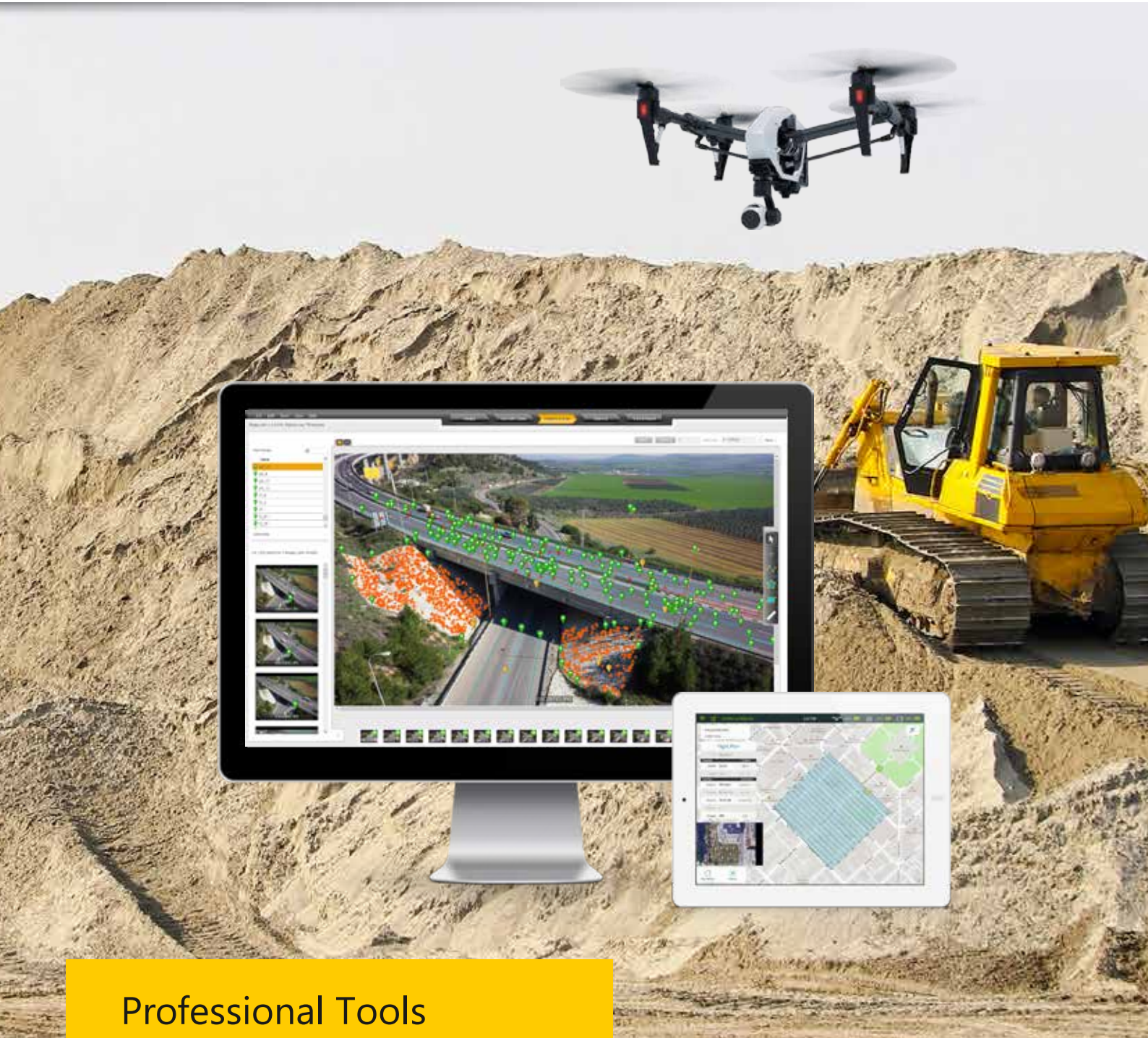


Automate the Entire Field-to-Plan Process

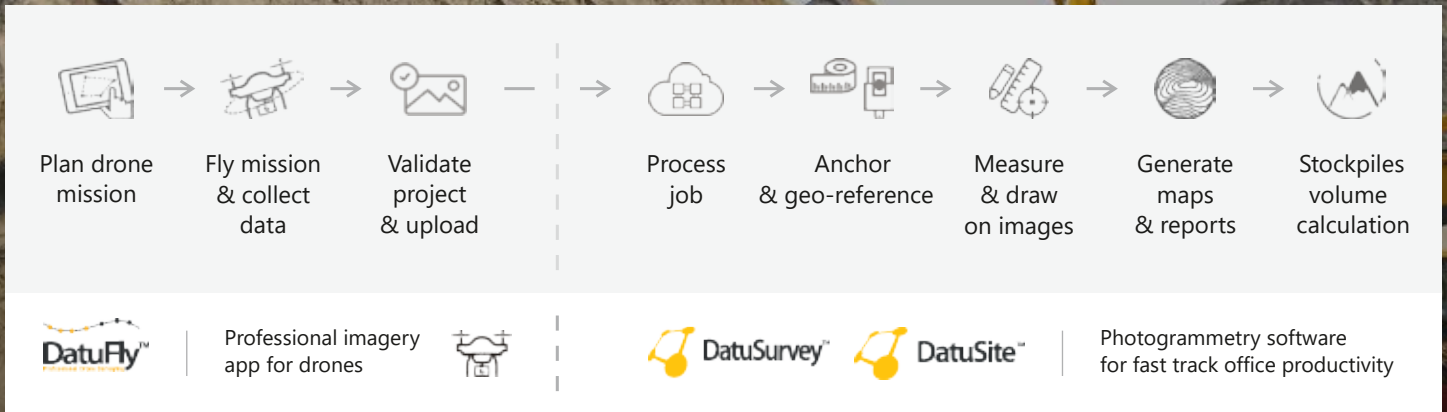


Professional Tools
for Construction,
Surveying, Infrastructure
and Inspection

Save Operational Costs. Accelerate Time-to-Value.

Datamate's professional surveying tools dramatically reduce Field-to-Plan duration, while maintaining survey grade accuracy. From ground or aerial photo shooting to high-precision working model or plan, Datamate's solutions cut expenses and achieve faster results.

Field-to-Plan



From Drone or Ground-Based Photo Shooting



to a High-Precision Working Model and Plan



SAVE UP TO 80% OF FIELD TIME



Professional Imagery App for Drones

DatuFly™ is a tablet app for easy flight planning and automated, high resolution photoshooting, optimized per job type. The image-taking plan is executed based on the best practice requirements of DatuSurvey™ and DatuSite™, Datamate's comprehensive photogrammetry software that automates surveyors' office work.

Simple & Intuitive Operation

- Plan the job using a friendly, wizard type, tablet app
- Easily mark the area or point of interest

Field Process Automation

- Flight and photoshooting optimization per job type, such as topography, stockpiles, roads, intersections, properties, etc.
- Vertical and oblique photoshooting

Safe Surveying

- Avoid surveying related risks
- Safety wizards and pre-flight checks

Large Projects Support

- Multiple batteries and flight continuity support
- Auto return to base for battery exchange and resume from where it left off

Expedited Field Work

- Saves up to 80% of field time and significantly reduces follow-up visits
- Save projects and execute them again over time to find variations



SAVE UP
TO 30%
OFFICE
TIME



Photogrammetry Software for Fast Track Office Productivity.

DatuSurvey™ turns aerial and ground photography to accurate, geo-referenced 2D maps and 3D models, saving the need for expensive and risky field work.

Automated & Intuitive Process

- Quick and automated process from image taking to maps, models and reports
- 3D model generation for CAD software and Dense Point Cloud visualization in mesh and texture

Professional Survey Grade

- High-precision map generation – 1:100 scale maps
- Highly accurate volume calculation by marking GCPs directly on images
- Multiple outputs – Orthophoto, projection on 2D planes, volume calculation, point cloud, 3D texture and mesh model
- Vertical and oblique images support for optimal results in diverse job types

Safe Surveying & Inspection

- Integrated with DatuFly™, a professional imagery app for drones

Time & Cost Savings

- Large-scale project support
- Draft objects and make measurements directly on images
- Hybrid image processing using aerial and ground imagery



LIVE
CUT & FILL
CALCULATION



Designated Solution for Excavation and Construction Projects.

DatuSite™ is a designated construction and surveying software that uses aerial and ground images to generate geo-referenced 2D maps and 3D models, enabling earthmovers and construction contractors to expedite the earthwork planning process, estimating with speed and accuracy and winning more bids.

Simple & Intuitive Process

- Quick and automated process from image taking to maps, models and reports
- Automated and quick stockpiles volume calculation in less than an hour - no office nor cloud processing required

Professional, Survey Grade Tools

- Direct work on Dense Point Cloud
- Multiple outputs – Orthophoto, projection on 2D planes, volume calculation, point cloud, 3D texture and mesh model
- Export of models and maps using multiple density levels and file types
- Vertical or oblique images support for optimal results in diverse job types
- Automatic rough scaling and anchoring, based on GPS data

Ideal for Earthmoving & Excavation

- Cut and fill calculation and map generation for clearer understanding of project scope and more accurate bids
- Precise volume calculation by marking GCPs directly on images

About Datumate

Datumate is digitally transforming civil engineering processes used in construction, surveying and infrastructure inspection markets with fully automated, high-precision and cost-effective solutions that keep field crews safe. Datumate utilizes state-of-the-art image-processing, advanced drones and camera technologies, dramatically reducing the amount of time surveying crews spend in the field, speeding up construction progress checks and shortening infrastructure inspection duration, while maintaining survey grade accuracy.

Datumate's intuitive, simple and automated solutions increase productivity by saving field and office time in civil engineering and inspection projects of roads, intersections, stockpile volumes, topography, piping, industrial facilities, bridges, property surveys, building facades, railways, cellular infrastructure and more.

Datumate's core competency is rooted in its team of experienced construction and surveying professionals. Datumate's close range photogrammetry software was awarded the "Most Innovative Product of GeoForm".



Ideal for wide range of surveying, construction, infrastructure and inspection projects



Roads



Junctions



Topography maps



Bridges & towers



As-built maps



Building facades



Stockpiles/
Volume calculations



And more...