

Survey-grade terrain data, start to finish.

Meridian Geospatial flies, scans, and models terrain for infrastructure projects across the Mountain West. We deliver survey-grade point clouds, orthomosaics, DEMs, and change-detection reports against published accuracy specifications and a documented chain of custody.

Core services

SERVICE	DELIVERABLE	ACCURACY
UAS photogrammetry	Orthomosaic, DSM, 3D mesh	2-3 cm horizontal
Aerial LiDAR	Classified LAS, bare-earth DEM	3-5 cm vertical
Topographic survey	1-ft contours, breaklines	RTK survey-grade
Volumetrics	Stockpile & cut/fill reports	< 1% volume error
Change detection	Time-series difference rasters	Project-dependent

How we guarantee accuracy

Every mission flies with RTK positioning and independently surveyed ground control. Point clouds are classified, QA'd against checkpoints, and delivered with a residual report. Raw capture is retained for audit; document properties on every deliverable record the operator, project ID, and processing build.

Engagement

Send a scope and a site location; we return an accuracy spec and a flight plan. For RFQs, contact proposals@meridiangeospatial.io.