

DRONE LIDAR

Aerial LiDAR that maps the ground even under trees — bare-earth terrain models for forested, remote and complex sites.

WHAT PCI PERFORMS

- Aerial LiDAR acquisition
- Bare-earth and terrain extraction under vegetation
- Classified point cloud production
- DTM/DEM and contour generation
- Corridor and linear-infrastructure mapping
- Mining, exploration and reclamation site mapping
- Combined LiDAR + photogrammetry missions

DELIVERABLES

- Classified point clouds (LAS/LAZ)
- Bare-earth DTMs and DEMs
- Contours and surfaces (Civil 3D compatible)
- Orthophotos when flown with imagery
- Cross-sections and profiles

HONEST LIMITATIONS

LiDAR ground returns depend on vegetation density — extremely dense understorey reduces ground-point density. We plan flight parameters for the site and report achieved point densities with deliverables.