



# MINE DESIGN & PLANNING

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Open cast pits, shafts, roads, plant, dams, dump sites and all of the infrastructure associated with mines have to be planned and designed. A high accuracy airborne LiDAR survey provides the elevation model and above ground feature information, as well as the high resolution orthoimagery necessary to achieve this. Mine plans need to be updated at least quarterly and this can be achieved very efficiently using such a LiDAR survey.

When a new plant needs to be designed for integration into an existing site, there is no better technology than terrestrial LiDAR, captured from a static position or from a vehicle mounted system. The point cloud information captured provides a very rich and detailed 3D representation of the plant.

## ABOUT SOUTHERN MAPPING

Southern Mapping provides LiDAR, Hyperspectral, Thermal surveys and mapping; as well as satellite imagery and associated product and GIS services for a variety of industries and sectors. These include civil engineering and infrastructure development, mineral exploration and mine management, environmental planning and rehabilitation, and urban and agricultural planning.

