



LiDAR FOR POWER

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Access to electricity is vital to sustain a quality of life. Companies are under pressure to deliver power to end users in greater quantities and at a greater speed than ever before. At the same time, it is becoming more difficult to find sites for power generation and routes for transmission lines. Lidar is the ideal technology to assist in relieving some of this pressure as it saves time and allows for easy access to a proposed site. Southern Mapping has surveyed power generation sites and power line routes worldwide. The results of these surveys are used for a variety of applications and include:

- Site selection, whether the source is hydro, coal, or nuclear.
- Infrastructure design on the final site, from supply of raw material to delivery of power.
- Life cycle Surveys for on-going and maintenance.
- Selection of the most appropriate transmission line corridor.
- Profile survey of the final route.
- Ampacity surveys existing lines for power transmission optimization.

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.

