



AMPACITY SURVEYS

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Many existing power lines have been designed with excessive safety margins and have an unused carrying capacity. LiDAR is the only technology that is able to rapidly survey an existing line and capture ground, tower and line geometry. This can then be entered into line design software to determine both under and over clearances on spans.

In the case of under-clearances, remedial measures such as re-tensioning, changes to the tower heights or fencing off areas can be implemented. In the case of over-clearances, increases in total power transmission may be possible, for less than a new line would cost.

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

