



## Thermal Mapping

Airborne thermal mapping uses high resolution thermal imaging cameras that measure infrared radiation in 3-5 micrometer and 8-14 micrometer bands of the electromagnetic spectrum. Typical thermal imaging applications include:

- Building heat loss and damp mapping
- Geothermal and exploration
- Insulation integrity surveys
- Landfill site surveys for detection of methane gas
- Leak detection mapping
- Subsurface heating pipe/wiring detection and mapping
- Underground fire/hotspot detection and mapping
- Water path mapping

## About Southern Mapping

Southern Mapping, a Woolpert Company, is based in Johannesburg, South Africa. Southern Mapping offers extensive high-accuracy lidar, imagery and remote sensing experience, as well as airborne topographic, hyperspectral, and thermal survey and mapping. We provide mapping services for engineering, infrastructure, mining, mapping, agriculture and environmental sectors in more than 45 African countries. Together with our parent company Woolpert, Inc., our talent includes a deep bench of worldwide, industry-leading experts that acquire, process and evaluate aerial, terrestrial, and bathymetric lidar and survey data. Through that alignment we employ our own fleet of manned and unmanned aircraft and cutting-edge sensors for both public and private applications. Southern Mapping is proud to be part of this powerful geospatial team, applying a wealth of unparalleled services across the globe.



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