

# Regional Airborne Survey for Potential of Geothermal Resources - Methods

**Airborne survey is used for surveying potential geothermal resources.**

**JOGMEC is acquiring and evaluating the airborne data to find the potential geothermal resources in the vast mountains and national parks in Japan.**

Methods	Physical property acquired	What we can know
Gravity gradiometry	Subsurface rock density distribution	<ul style="list-style-type: none"> <li>• Geological structures (fault and/or fracture zone) of wide area</li> </ul>
Time domain Electromagnetic	Measuring rock electrical resistivity distribution up to 500m subsurface	<ul style="list-style-type: none"> <li>• Geothermal structure</li> </ul>
Aeromagnetic	Measuring rock magnetic properties	<ul style="list-style-type: none"> <li>• The distribution of volcanic rocks (hydrothermal alteration) related with geothermal and/or hydrothermal</li> </ul>

## Survey Equipment & Photos

Airborne gravity gradient survey, Airborne time domain electromagnetic survey and Aeromagnetic survey are mainly used by JOGMEC for potential geothermal survey.

