UAV-MAG™*

The leader in Unmanned Geophysics Surveying
UAV-MAG™ An Industry Driven Survey Solution

- **UAV-MAG™**: 1/2 to 1/3 the cost of ground surveying
- **UAV-MAG™**: Currently the *ONLY* proven and successful commercial system on the market globally.
- **UAV-MAG™**: Ultra low noise, high quality airborne magnetic data
- **UAV-MAG™**: Reduces fieldwork and aviation safety hazards common in conventional ground and airborne surveys
UAV-MAG™ is the best solution (Cost, Safety & Efficiency) for 1-2000 line km surveys

<table>
<thead>
<tr>
<th></th>
<th>Ground Mag</th>
<th>UAV-MAG™</th>
<th>Airborne Mag</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mob cost</td>
<td>Mid</td>
<td>low</td>
<td>high</td>
</tr>
<tr>
<td>Standby cost</td>
<td>Low</td>
<td>low</td>
<td>high</td>
</tr>
<tr>
<td>Weather tolerance</td>
<td>Med</td>
<td>High</td>
<td>low</td>
</tr>
<tr>
<td>Operating hours</td>
<td>Daylight only</td>
<td>day and night</td>
<td>daylight only</td>
</tr>
<tr>
<td>Daily amount (Km)</td>
<td>10 - 13</td>
<td>Up to 140 line km</td>
<td>1000+</td>
</tr>
<tr>
<td>Cost per line km</td>
<td>High $</td>
<td>Low $</td>
<td>Low $</td>
</tr>
<tr>
<td>Optimal job size</td>
<td>less than 100 line km</td>
<td>0 - 2,000 line km</td>
<td>greater than 1-2,000 line km</td>
</tr>
</tbody>
</table>
Survey results comparing four different types of magnetic surveys over the SAME line on the SAME anomaly:

- UAV-MAG and Airborne (GeoTech) were flown at the same elevation.
- UAV-MAG™ provided higher resolution ground sampling (1m) than comparable airborne (3-5m).
- Result: UAV-MAG Data is High Quality, Low Noise, and comparable to industry standards.
UAV-MAG: Case Examples

Lithium Pegmatites
- 2.5km
- 200 line km. 40m line spacing, 50m AGL
- 3 flight days

Copper Porphyry
- 9.7km
- 377 line km. 50m line spacing, 50m AGL
- 6 flight days

Total Field RTP
- 5km
- 3.3km

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UAV-MAG: Case Examples

Kimberlite & Lamprophyre

3 mi

Total Field RTP

650 line km. 50m line spacing, 50m AGL
10 flight days

Oxide copper

3 mi

1st Vertical Derivative RTE

70 line km. 50m line spacing, 50m AGL
1 flight day
UAV-MAG™ Multi-Elevation Surveys

**What is it?**
Survey flights flown over the same target at two different elevations

**Why do it?**
Increase anomaly resolution considerably over single elevation surveys

- Results from **combining 20m & 60m surveys**
- High resolution: <50cm ground sampling
- A field test with UAV-MAG™

Results that reveal sharp anomalies coincident with known mineralization

2 surveys over the same area
- 20 m AGL & 60 m AGL

Results are combined to better define anomalies

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For more information & to arrange a survey:

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