

A special development for gravity airborne geophysical surveys based on high performance inertial navigation system

### ADVANTAGES

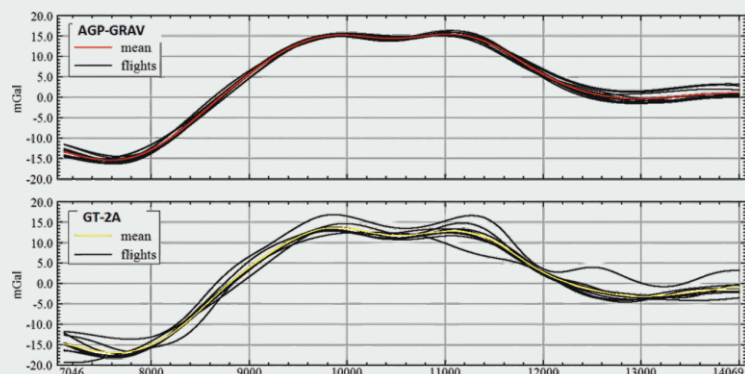
- Improved thermal stabilization for lower residual drift
- Aircraft-independent operations (fixed-wing, helicopters, UAV)
- Lack of the gyro-stabilized unit for lower weight and easier installation
- Cutting-edge post-processing software
- Simple and fully autonomous operation
- High performance gyros & accelerometers
- Two sets of sensors for increased sensitivity
- High reliable performance in high turbulence
- Precise measurements with wider dynamic range



### KEY PARAMETERS

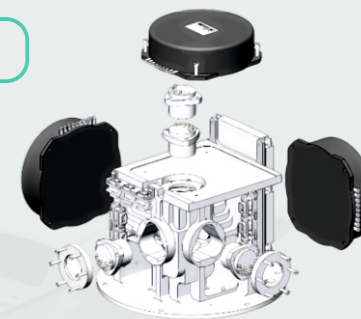
- Power: <120 W
- Weight: <30 kg
- Dynamic range:  $\pm 2$  g
- High resolution gyros: 3
- Reference class accelerometers: 6
- Error in gravity anomaly: < 0,2 mGal
- Raw data acquisition and storage with up to 320 Hz

### Comparison AGP-GRAV and GT-2A on repeated line

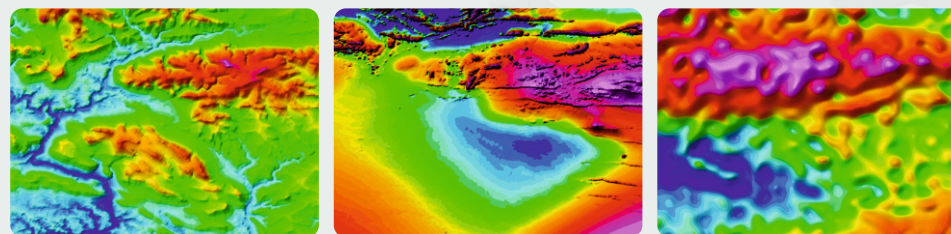


### THE MAIN ISSUES TO BE SOLVED

- Identification and mapping of fault blocks
- Mapping igneous intrusives
- Mapping and modeling objects with anomalous densities (salt domes, massive ore deposits etc.)
- Mapping sedimentary basins and structural controls for oil and gas exploration program



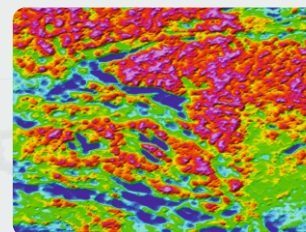
### Multi-parameter airborne survey with AGP-GRAV



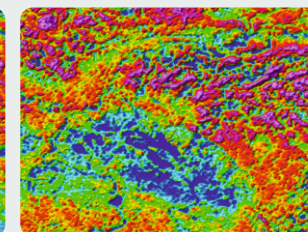
DEM

Magnetic field

Bouguer gravity



Resistivity at the depth 200 m



Potassium

Highly accurate measurements of the gravity field together with other geophysical methods, even on light aircraft

