Bell Geospace signs deal with Transparent Earth Geophysics to further increase bandwidth and accuracy of data acquisition offering

The addition of the new GTz® airborne gravimeter provides exploration projects with Gz accuracy to <1 mGal across multiple scenarios

Monday October 12th 2020, Bell Geospace, world leaders in gravity gradiometry, announces an exclusive arrangement with Transparent Earth Geophysics (previously CMG Operations) to offer data acquired from the latest airborne gravimeter. The GTz® will be integrated with Bell Geo's existing FTG and magnetics products.

''The GTz® will sit alongside the existing FTG and magnetics equipment in the BT-67 aircraft and will enable the collection of long wavelength signal. It's small size and light weight means that it can provide powerful results required in deeper geology, without any negative impact on the FTG signal at all''.

Transparent Earth Geophysics develops and leases gravimetric technologies and the owners have been involved with airborne gravimetry since 2003. The current business is dedicated to the continuous improvement and innovation in design, operation and processing of data from airborne gravimeters.

The GTz® was developed with assistance from a CRC-P grant from the Australian government under the CRC Program. The CRC Program supports industry-led collaborations between industry, researchers and the community.

Airborne FTG is exceptionally well suited for geological mapping and delineation where seismic alone is insufficient, or where adequate seismic data is unavailable. Recent advances in processing and interpretations has led to ground-breaking, award winning work with shallow velocity modelling and shallow hazards detection. However, when FTG technology is required to image density contrasts from deep geology generating much longer wavelengths, such as in deeper water environments, it benefits from the addition of a good gravimeter.

The inclusion of the new GTz® technology to the Basler BT-67 provides this complementary information seamlessly. Bell Geospace data acquisition and processing is now set to provide the best possible results in any environment with any depth to target. From onshore, through transition zones and into deep water operations.

For more information please visit the Bell Geospace webpage.

For Editors

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About Bell Geospace

Bell Geospace has been providing Full Tensor Gravity Gradiometry data to the Oil & Gas and Mining industries since 1994. They have acquired more than 2 million line kilometres of data and have an unblemished safety record. They currently own four gravity gradiometry instruments and operate three Basler BT67 aircraft worldwide.

About Transparent Earth Geophysics

Since 2012 from their base in Perth, Western Australia the company have supplied traditional mobile gravity systems and services for airborne and marine surveys on every continent. Surveys have been acquired for oil and gas exploration, mineral exploration, geodetic mapping, and environmental research. Recent research and development project outcomes have resulted in the formation of Astronav in 2019 to pursue development of space navigation and gravimetry technology in collaboration with Intuitive Machines LLC of Houston, TX. Intuitive Machines is one of the first 2 companies selected by NASA to take their science payloads to the lunar surface, and they are scheduled to launch in 2021. Transparent Earth Geophysics has also been granted an Australian patent 2017204859 for a new gravimetry concept, with patents also pending in about 50 other countries.

For more information please visit the Transparent Earth Geophysics webpage www.transparentearth.com.au