QUANTIC

The UK Quantum Technology Hub in Quantum Enhanced Imaging

Wee-g™ : An ultra-sensitive Gravity Imager

Imagine using your mobile phone to predict volcanic eruptions, find oil and gas reservoirs and sense objects buried underground.

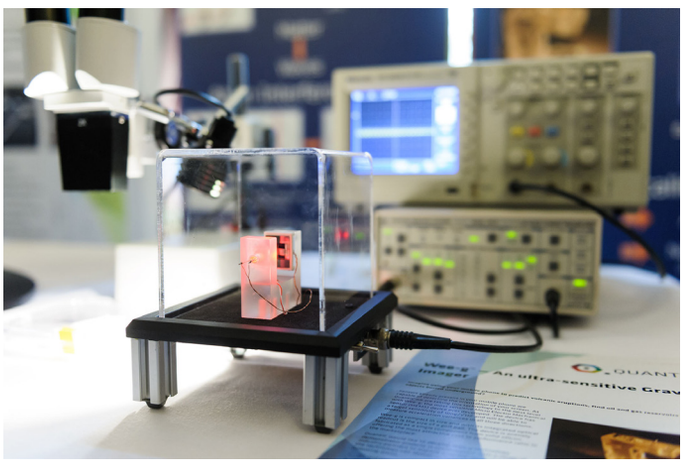
Sensors already present in your mobile phone are capable of detecting the orientation of your screen. At QuantIC we are taking this technology to the next level with Wee-g, the most stable Micro Electro Mechanical System (MEMS) device ever developed. The device already has a sensitivity of 40 uGal/rt(Hz) and will be able to measure acceleration variances in all three directions.

Wee-g is compact in size and with its optical readout is the size of a golf ball. The device will offer the most attractive cost to performance ratio in the marketplace.

QuantIC would like to develop Wee-g technology demonstrator projects in collaboration with a range of industry partners to explore possible applications where the technology can deliver competitive advantage in the following areas:

- Oil and gas prospecting and reservoir monitoring
- Civil engineering and detection of underground structures
- Environmental monitoring and volcanology
- Navigation
- Aerospace
- Security and Defence

The device is currently being prepared as a battery operated field prototype and will be available in 2017.



QuantIC has a £4M Partnership Resource Fund to support industry led projects to develop our new technology and facilitate its translation to market commercialisation.

For more information, please contact:

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