



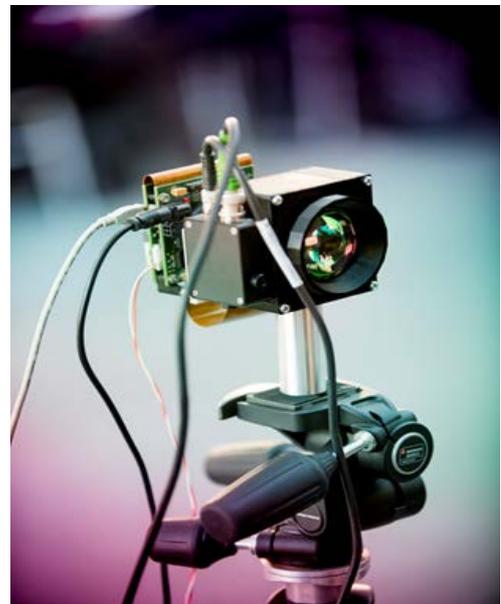
The UK Hub in Quantum Enhanced Imaging

QuantIC's mission is to link world-leading quantum technologists with industry leaders and technology users to accelerate innovation in imaging in alignment with industry priorities and national/international needs. It brings together more than 120 full time researchers from the Universities of Glasgow, Bristol, Edinburgh, Heriot-Watt, Oxford and Strathclyde and over 30 industry partners in a collaborative venture to revolutionise imaging across industrial and consumer markets. It is one of four quantum technology hubs supported by the UK Government's National Quantum Technology Programme, which aims to translate world leading discovery science into commercial application that will benefit the UK economy.

Industrial engagement

Industrial engagement is important for QuantIC; the Hub's focus has already been shaped by its relationships with industry partners such as BP, BAE Systems, Tullow Oil, Thales Group, Selex and Coherent, the world's largest manufacturer of lasers.

QuantIC's scientists are developing technologies for potential applications in a variety of sectors including, oil and gas, environmental monitoring, agriculture, security, scientific instrumentation and medical imaging. A current collaboration with industry partner M Squared Lasers involves a technical feasibility study to evaluate a new type of gas detector built around a Single pixel camera. This will offer the potential for a cheaper, low power, smaller sized and highly portable gas detection system than what is currently available across industry sectors where this is needed.



Another project with ST Microelectronics focusses on the exploitation of a new generation of SPADs (Single Photon Avalanche Diodes) in photon starved biomedical applications. This new sensors will be faster and cheaper and will benefit for instance, medical imaging instruments.

The UK National Quantum Technologies Programme aims to ensure the successful transition of quantum technologies from laboratory to industry. The programme is delivered by EPSRC, Innovate UK, BIS, NPL, GCHQ and Dstl.



Collaborative Market Opportunities

QuantIC is seeking new industry partners to exploit and push the boundaries of quantum enhanced imaging. The Hub has a £4m Partnership Resource Fund to support industry led projects that is approved by a market opportunities panel consisting of industry partners. Funding can be used for areas such as market and technology feasibility studies, two-way secondments, demonstrator development and translation to market assistance.

In addition, the new QuantIC Innovation Space located at the James Watt Nanofabrication Centre at the University of Glasgow, offers 200sqM of purpose built laboratory and office space. Supported by the Scottish Funding Council, QuantIC's Innovation Space will be a dedicated space to further facilitate the bringing together of industry and academia.

Our dedicated business development manager will be able to explore with you the opportunities in terms of potential applications for QuantIC's research that will be relevant for your market and will work with you to facilitate the collaboration between our scientists and engineers and your company.

Contact us

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