

QUANTIC

The UK Quantum Technology Hub
in Quantum Enhanced Imaging



Making the invisible visible

QuantIC is the UK Quantum Technology Hub in Quantum Enhanced Imaging. Our world leading academics are developing a family of multidimensional cameras operating across a range of wavelengths, time-scales and length-scales to create a new industrial landscape for imaging systems and their applications.

Our imaging technologies have the potential to deliver improved performance, lower cost and new applications across a variety of sectors, including defence and security, autonomous vehicles, scientific instrumentation, agriculture, oil and gas, environmental monitoring, medical imaging and space.

QuantIC's researchers are delivering innovation in the following areas:

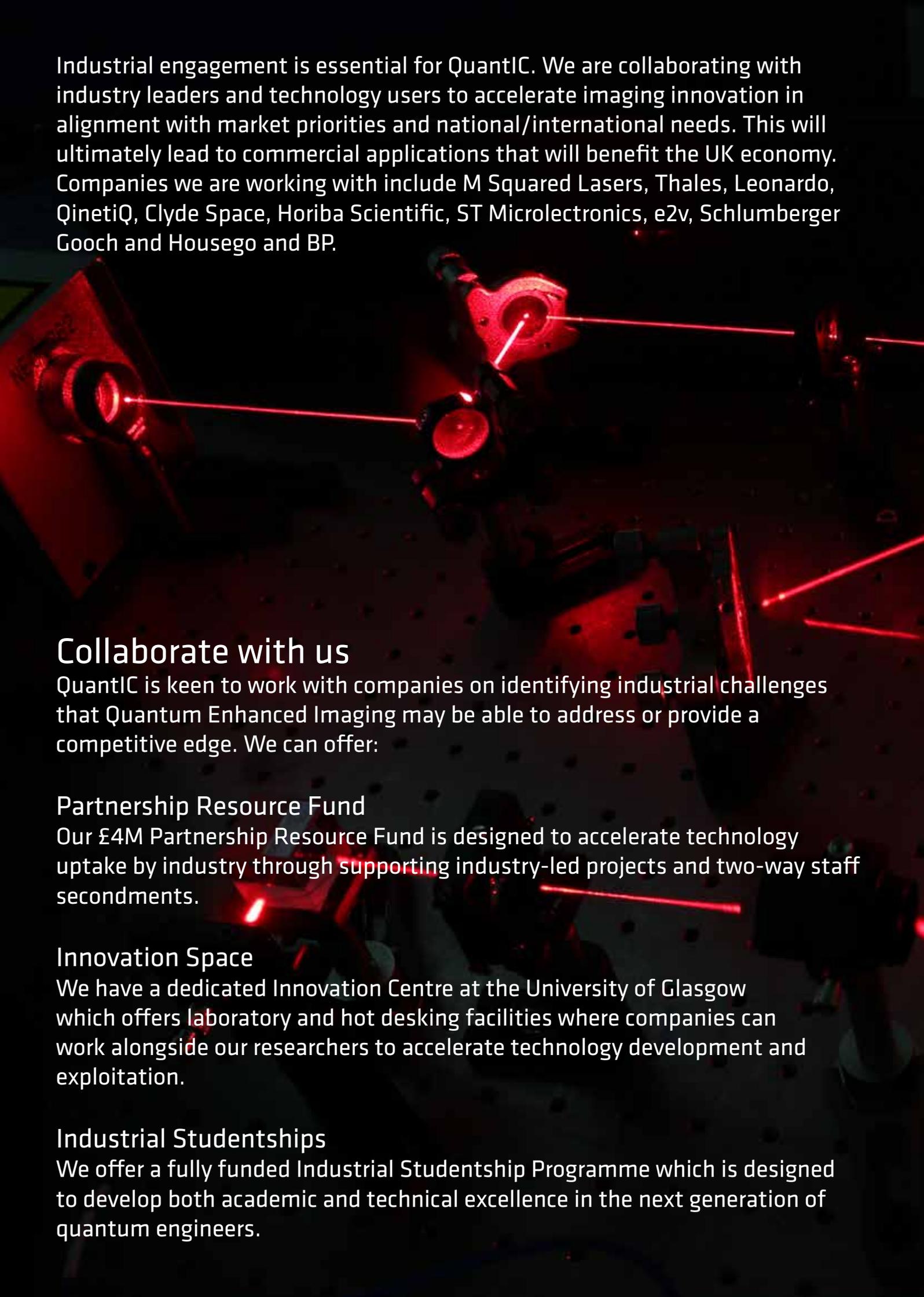
- Collision avoidance
- Attitude control
- Imaging around corners
- Seeing through turbid media
- Terahertz imaging
- Satellite positioning & communication
- Computational LiDAR
- Gas imaging
- Gravity surveys
- 2 Photon microscopy
- Spectroscopy
- Radiation detection

In collaboration with M Squared Lasers, QuantIC academics are building a gas imaging system using the Single-Pixel Camera (SPC) and tunable mid-IR laser.



"QuantIC's approach to industrial collaboration is focussed on supporting companies by adding value to their existing products and services. The input from their researchers has been invaluable and we are excited to be working with them on the new prototype single pixel camera."

Dr Graeme Malcolm, CEO and Founder, M Squared Lasers



Industrial engagement is essential for QuantIC. We are collaborating with industry leaders and technology users to accelerate imaging innovation in alignment with market priorities and national/international needs. This will ultimately lead to commercial applications that will benefit the UK economy. Companies we are working with include M Squared Lasers, Thales, Leonardo, QinetiQ, Clyde Space, Horiba Scientific, ST Microelectronics, e2v, Schlumberger Gooch and Housego and BP.

Collaborate with us

QuantIC is keen to work with companies on identifying industrial challenges that Quantum Enhanced Imaging may be able to address or provide a competitive edge. We can offer:

Partnership Resource Fund

Our £4M Partnership Resource Fund is designed to accelerate technology uptake by industry through supporting industry-led projects and two-way staff secondments.

Innovation Space

We have a dedicated Innovation Centre at the University of Glasgow which offers laboratory and hot desking facilities where companies can work alongside our researchers to accelerate technology development and exploitation.

Industrial Studentships

We offer a fully funded Industrial Studentship Programme which is designed to develop both academic and technical excellence in the next generation of quantum engineers.

For more information and to discuss industrial opportunities,
please contact the QuantIC Business Development Team:

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