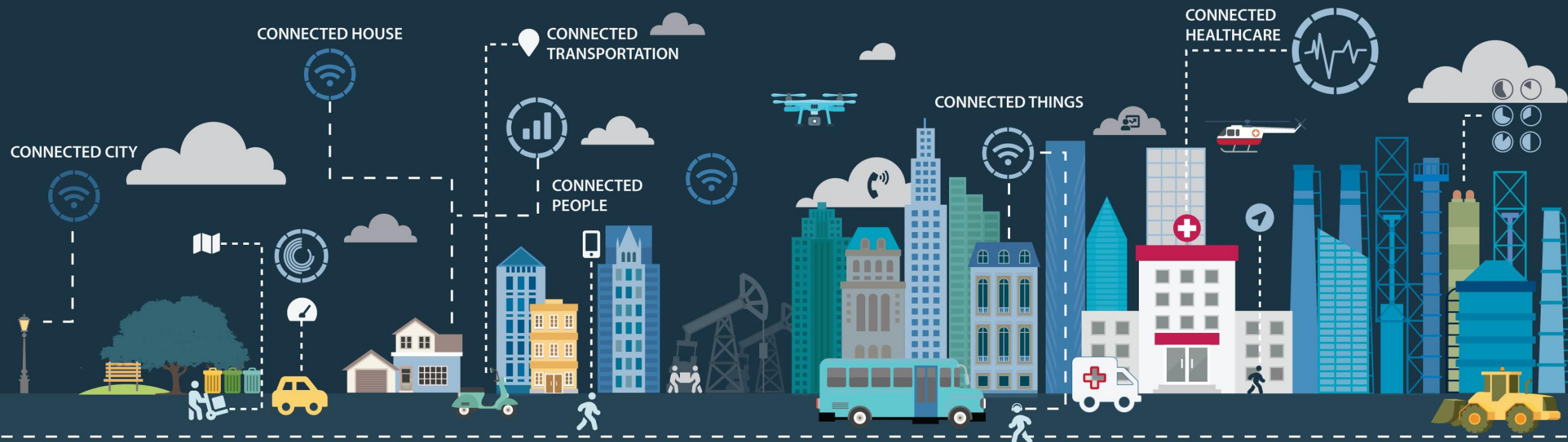




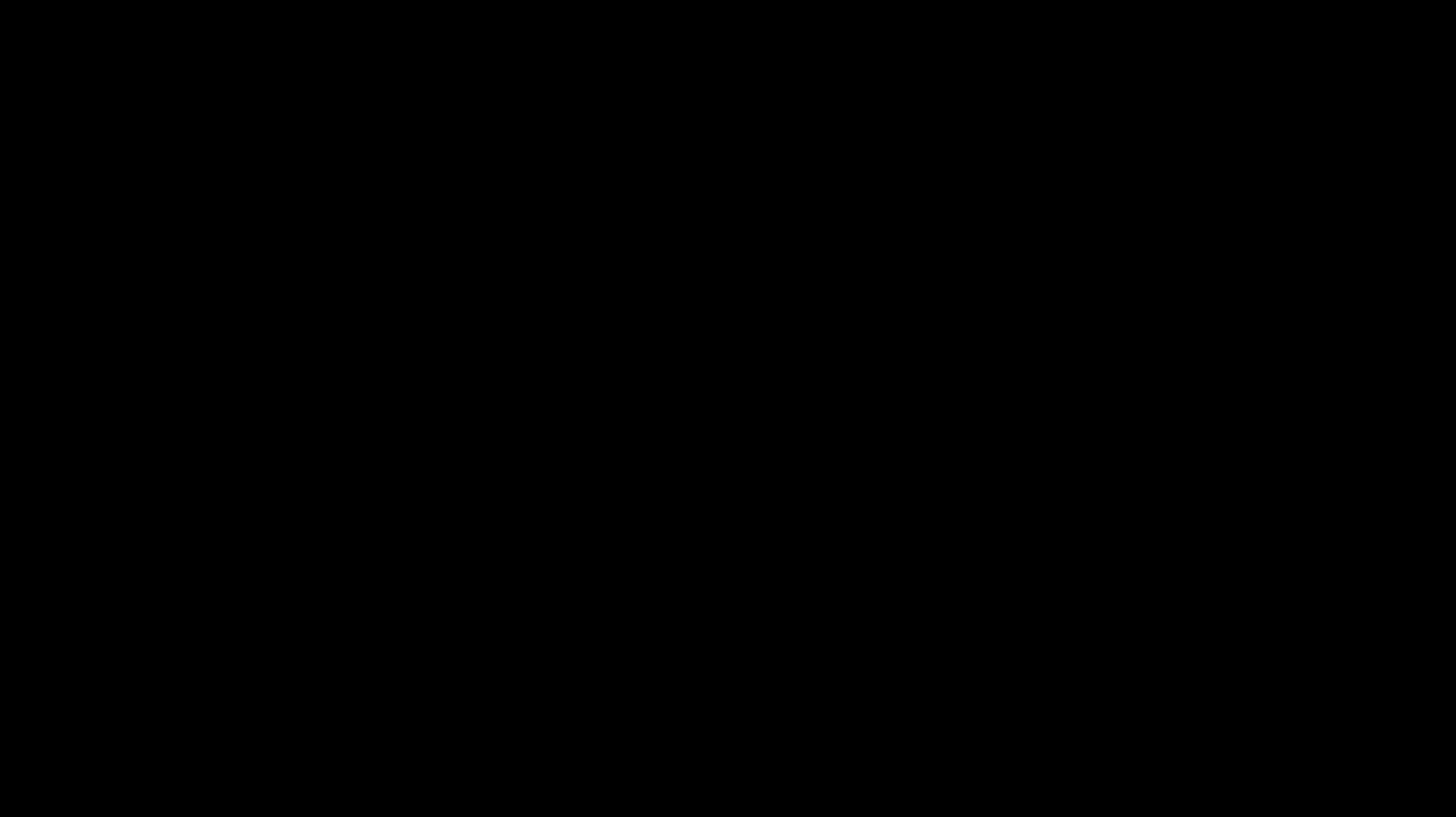
Tech Exeter
September 2019

Why Quantum Communications?





Quantum Computers will break our current, convenient digital security





What are the solutions?



Hardware

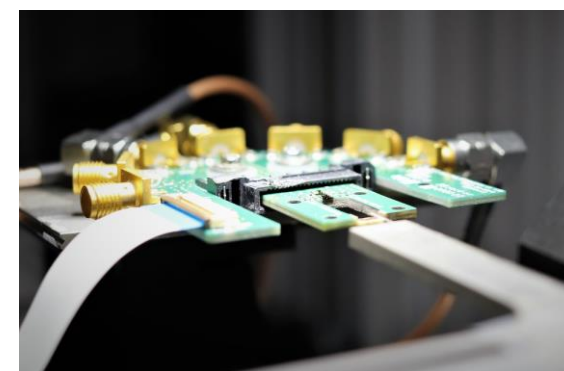
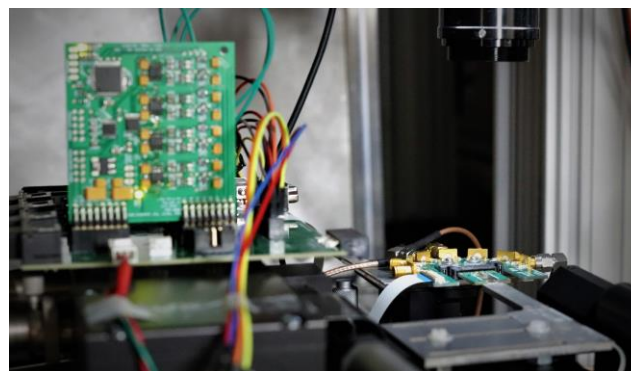
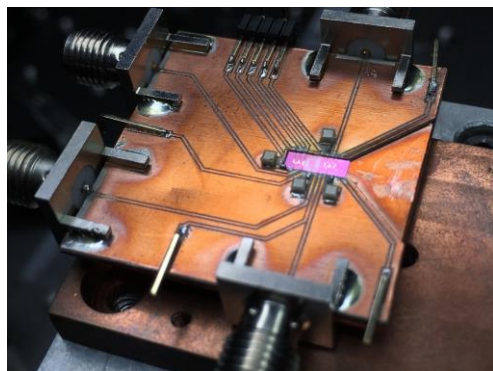
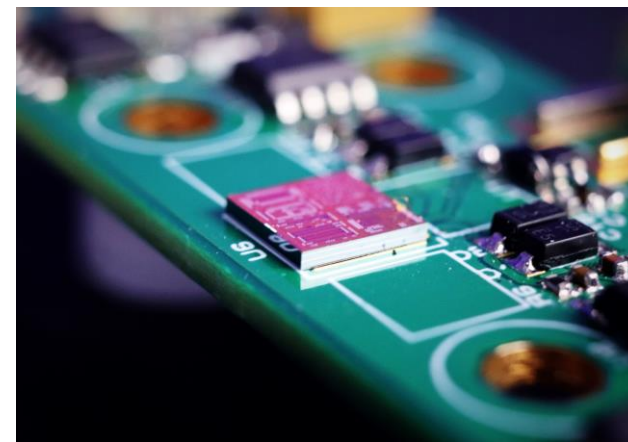
Quantum Key Distribution

Software

Post Quantum Algorithms

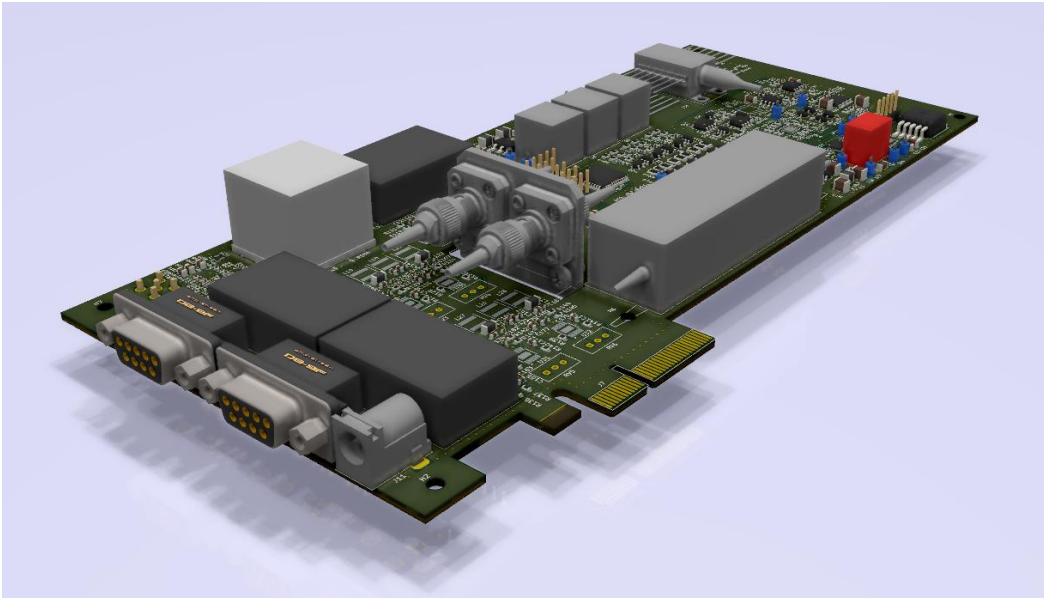


Getting it out of the lab





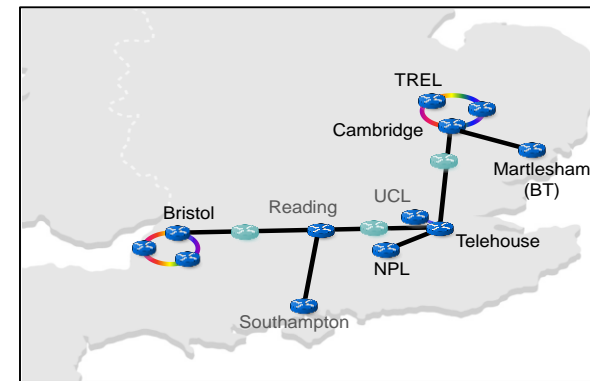
Turning it into a product



**Indicative image*



Partnerships



Demonstrate next generation
secure optical links for Defence &
Govt

Innovate UK



Demonstrate next generation
secure fibre backbone.



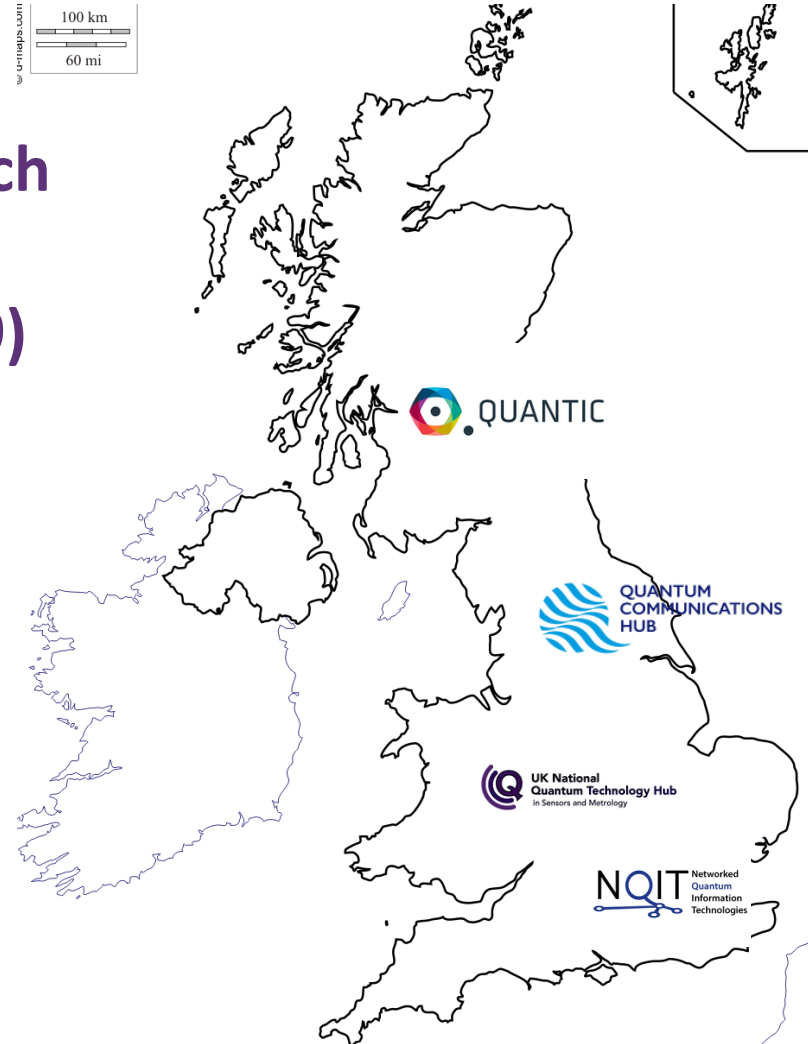
THALES

Demonstrate next generation
hardware security



UK Quantum Tech Investment now £1bn (June 2019)

“This milestone shows that Quantum is no longer an experimental science for the UK. Investment by government and businesses is paying off, as we become one of the world’s leading nations for quantum science and technologies. Now industry is turning what was once a futuristic pipedream into life-changing products.”



“UK is ideally placed to be a world leader in the new quantum technologies industry”

Growing a skilled UK workforce in quantum technologies

“The wider UK workforce must grow and adapt alongside the emerging industry.”

The UK needs a creative, adaptable, diverse and networked workforce with the right balance of skills to ensure it benefits from new opportunities in quantum technologies.

**It's a good time to be a
quantum entrepreneur...**



Google

IBM Q



MagiQ



Microsoft
STATION Q

rigetti

TOSHIBA

Leading Innovation >>>



IONQ



D:wave



QuantumCTek

NTT



Q^xBranch



ISARA

Sparrow Quantum



CAMBRIDGE
QUANTUM
COMPUTING
LIMITED



QCWARE

1QBitTM

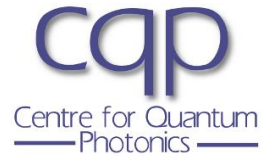


Post-Quantum

**It's a particularly good
time to be a quantum
entrepreneur in the South
West...**



Quantum Tech in Bristol



QTIC

QuPIC

Quantum Tech in Bristol

QET
Labs | >



QTIC



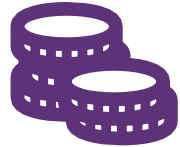
QuPIC







Contracts & IP



Market Research



Commercialisation



Business Models &
Value Chains



Marketing



Pricing & Sales



Founding Teams &
Boards

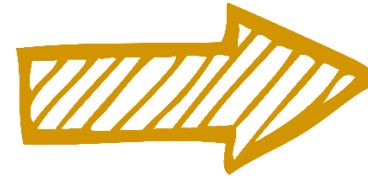


Pitching

To date...

11

11 Fellows
Graduated



17 Companies
1 Consultancy

£11.5 million

raised through InnovateUK, Private Investment & Customers

32 new jobs



caroline.clark@kets-quantum.com