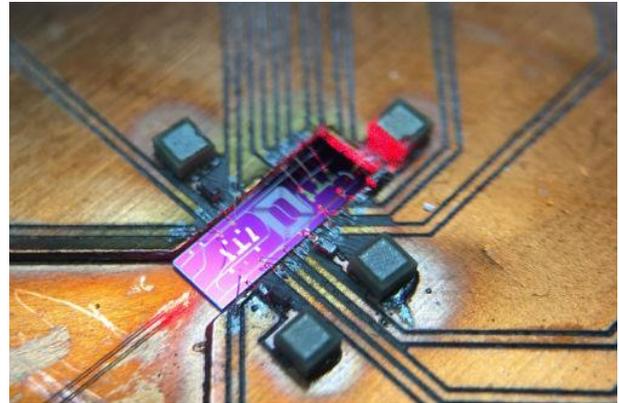


## Quantum security start-up raises over £2 million in investment

*Press release issued: 11 December 2018*

A University of Bristol start-up business specialising in quantum encryption has received over £2 million in investment funding from several corporations and Government initiatives.

[KETS Quantum Security](#) specialises in developing a range of future-proof, cost-effective technologies for quantum-secured communications that have the power to improve the secure transmission of information such as banking details and medical records.



*The world's first quantum encryption chip*

The £2 million funding round included investments from early stage venture fund, Quantonation together with Kx and others and also included £1million provided from Innovate UK and the [Industrial Strategy Challenge Fund](#).

Quantum computers, such as those being developed by IBM, Microsoft & Google promise to create a new generation of supercomputers with computing power that poses a critical threat to current cyber security encryption.

To counter this threat, KETS have developed one of the world's first integrated quantum secured encryption technologies capable of protecting against this vulnerability at scale.

This new suite of secure communications systems has proven robust against both conventional and quantum threats, and the KETS team aims to use these systems to boost security in defence, telecoms and critical infrastructure, with end-users in finance, governments and data centres.



*The KETS team*

KETS' CEO and co-founder, [Chris Erven](#) said: "Our aim is to become the digital security OS of the future protecting our digital information and critical infrastructure in the 21st century and beyond."

KETS has seen uptake by major defence and telecommunications primes eager to protect themselves against the threat of quantum computers. These new funds will enable KETS to accelerate its growth and undertake trials in the aerospace and telecommunications sectors.

CEO of Quantonation, Christophe Jurczak added: "After years of ground-breaking research, now is the time for the unique properties of quantum physics to be harnessed and exploited."

“Quantonation is delighted to be working with the KETS team and supporting them in bringing this technology to market and addressing some of the most challenging problems that will face us in the coming years.”

The start-up was formed in the University of Bristol's Quantum Engineering Technology Labs by Drs Philip Sibson, Jake Kennard and Chris Erven in 2016 after winning the [Bristol SETSquared New Enterprise Award in 2015](#).

KETS' funding announcement comes at a key time in the UK's National Quantum Technology programme with the Chancellor, Philip Hammond, announcing a government investment of £235M in the Autumn Budget to support the continued development and commercialisation of quantum technologies to keep the UK at the forefront of this emerging industry.

Dr Erven added: “KETS is proud to be one of the first start-ups emerging from the National QT programme. This funding will allow us to build on the UK's investment and deliver first products to our early partners and customers.”

Professor Nishan Canagarajah, Pro Vice-Chancellor of the University of Bristol, said: "Quantum information and its translation into technologies is a strategic research priority for the University and is recognised as a [Specialist Research Institute](#).

“The University has successfully created new businesses by taking ground-breaking science out of the lab to be used in real-world applications. KETS is a leading example of how well the system of innovation in Bristol is working.”