



KETS Quantum Secured Technology

The Power Of Quantum Photonics

Building communications systems using states of light allows dramatic performance advantages over conventional systems.

We are harnessing these quantum techniques to deliver next generation cybersecurity tools.

Integrated Platform

Widely used across industry, integrated photonics chips allows flexible, cost-effective and robust solutions to be deployed at scale even in the most challenging environments.

Secure Key Distribution

Protect your communications from quantum attacks.

Traditional cyber security is threatened by powerful hardware, sophisticated algorithms and the advent of quantum computing. KETS' on-chip Quantum Key Distribution offers a practical solution by optically distributing secure cryptographic keys.

Quantum Random Number Generation

Defend against random number vulnerabilities

High quality, secret random numbers are at the heart of cryptography, and poor random number generators can render communications insecure. KETS' high-performance, practical Quantum Random Number Generator addresses this by generating randomness based on the unpredictable properties of quantum mechanical light.

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Further Information

At KETS we're passionate about solving real world security problems using the unique advantages of quantum technologies.

Our unique chip-based solutions, based on technology developed over a decade at the University of Bristol, provide ultra-low size, weight and power without compromising performance.

We are currently engaging with a number of blue chip organisations across a range of sectors including telecommunications, governments, defence and finance to help them secure their systems and data with quantum-safe crypto solutions.

Incorporated in 2016, KETS recently raised £2M through publicly funded projects and a seed equity round.

In 2017 we were one of three start-ups to join Facebook and BT's TIP Ecosystem Acceleration Centre (TEAC) in the UK and are now actively engaged in the programme as an alumni member.

In 2018, we were named the UK's Most Innovative Small Cyber Security Company at Infosecurity Europe and were a finalist in the Best Tech Start-up category and the Business Leader Go:Tech Awards.