



PEACE OF MIND IN A DANGEROUS WORLD

Deutsch-Finnisches Businessforum

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Xiphera Ltd.

- Finnish company founded in 2017
- Hardware-based security solutions with standardised cryptographic algorithms
- Secure and efficient cryptographic IP cores for digital logic (FPGAs and ASICs)
- All products and solutions designed fully in-house
- Committed roadmap to future cryptographic standards

The Time Is Now



**Software-based
security is
fundamentally broken**



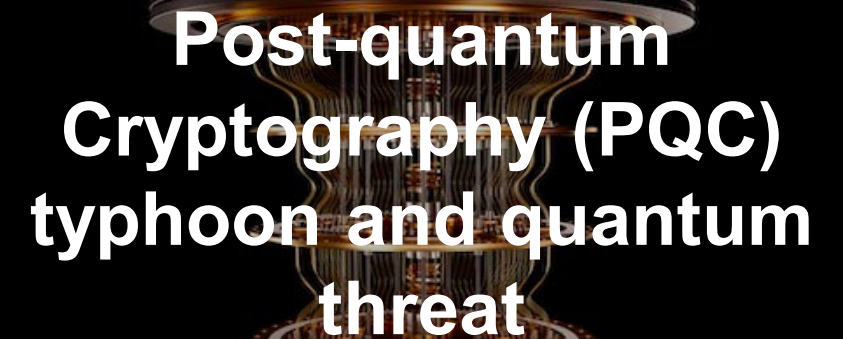
**Chips Acts
(Europe &
USA)**



**Confidential
Computing**

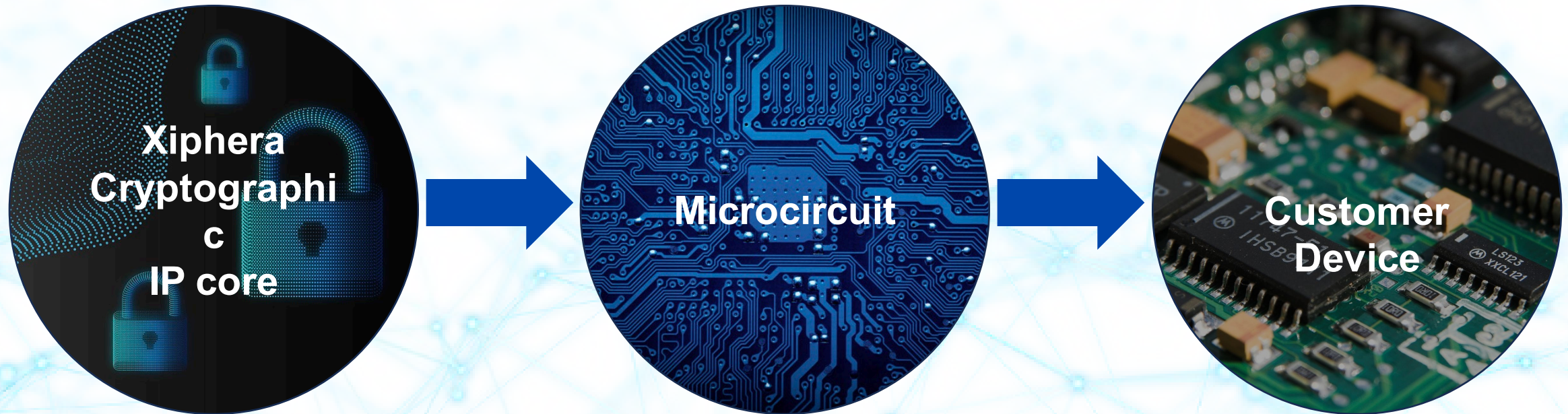


Secured AI



**Post-quantum
Cryptography (PQC)
typhoon and quantum
threat**

Intellectual Property (IP) Core



Portfolio of **30+ off-the-shelf IP cores**, including **Post-Quantum Cryptography** for microcircuit security

Intel
AMD
Lattice Semiconductor
Microchip
QuickLogic
Custom-designed ASIC circuit

IIoT Device
Encryption Device/Accelerator
Satellite comms board
System on Chip
Secure Boot solution
Hardware Security Module...

20+ existing customers incl. 3 Fortune 500

EMEA Satellite Tech Company

- **Customer pain:** Securing the ground station ↔ satellite communication link
- **Solution:** Xiphera AES IP core securing both confidentiality and authenticity



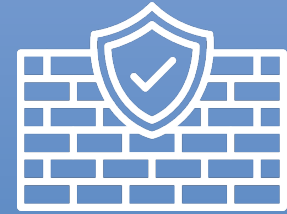
Why Xiphera?



Compact / high-performance solutions



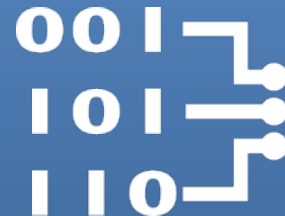
Agile and nimble team



Fully hardware-based implementations



Roadmap to future cryptographic applications



In-house designed products & cryptographic expertise



Ability to support both VHDL and Verilog design flows

The background of the slide is a dark, atmospheric photograph of a person standing in a forest at night. The person is silhouetted against a lighter background and is holding a flashlight that casts a bright beam of light across the scene, illuminating a path or clearing. The trees are dark and dense, and the overall mood is mysterious and contemplative.

XIPHERA

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Danke schön!

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