QUANTUM BRILLIANCE

Ubiquitous Quantum Accelerators Based on NV-Centers in Diamond

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Unlock the future !

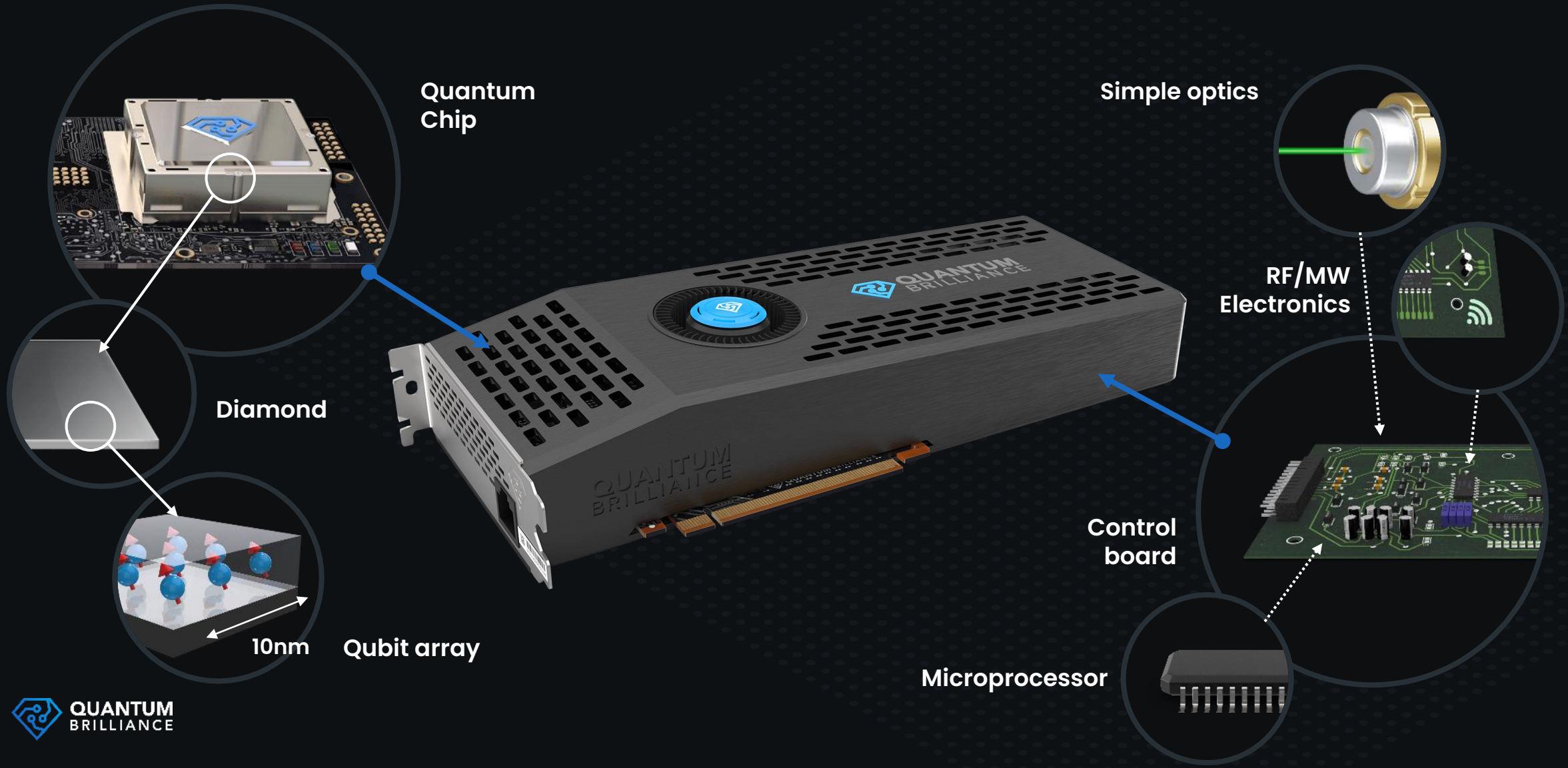
Florian Preis florian.p@quantum-brilliance.com
Head of Software & Applications

Problem with quantum today…

A new era facing familiar barriers of infrastructure and deployability

The Quantum Microprocessor is the necessary step…

Our Solution: Diamond Quantum Accelerator



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Opportunities for Quantum Computing

Quantum Mainframes — **Quantum Accelerators**

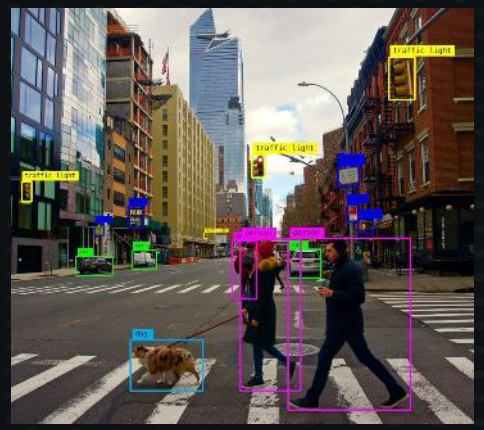
Clusters of quantum accelerators in local central computing nodes. Quantum can deliver advantage in optimisation and operational planning for robotics, networks, logistics etc.

Centralised computing

Accelerating database management through distributed data nodes

Distributed computing

Deliver advantage in signal and image processing at the edge in real time



Mobile / edge computing

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Quantum Utility

Quantum Utility or **Quantum Usefulness:**
What are the resource requirements of a *useful* task at which a programmable quantum computer outperforms a classical device consuming the *same* size, weight, power and maintenance (OPEX)?

Diverse Use Cases

Massively Parallelized

Molecular Dynamics
New Materials, New Drugs
Recursive Optimization

Distributed & Edge

Edge Computing
Enhanced Machine Learning
Robotics

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Ubiquitous Quantum Computing

FOR FURTHER INFORMATION
CO-FOUNDERS

Dr. Andrew Horsley
Dr. Marcus Doherty
Mr. Mark Luo

Andrew.Horsley@quantum-brilliance.com
Marcus.Doherty@quantum-brilliance.com
Mark.Luo@quantum-brilliance.com

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