

Media Release

The Hon Ben Carroll MP

Minister for Industry and Innovation
Minister for Manufacturing Sovereignty
Minister for Employment
Minister for Public Transport



Wednesday, 15 February 2023

LEAP INTO QUANTUM TECHNOLOGIES TO DRIVE DISCOVERIES, JOBS

Victoria's reputation as a global player in the quantum technologies sector continues to grow, as the Andrews Labor Government invests in an innovative Australian business leading the way in the emerging field.

Minister for Industry and Innovation Ben Carroll today announced an \$8 million investment in Quantum Brilliance by the state's investment arm Breakthrough Victoria, as part of its push to establish the state as a global player in the rapidly evolving quantum technologies sector.

Quantum computing is technology that allows problems too complex for normal computers to be solved. It typically requires a fixed set up in temperatures below freezing, making it hard for the technology to become portable.

The technology is well suited for use in real world situations like medical imaging, satellite technology and robotics – putting Victoria as a global leader in this transformative technology.

Victoria is one of the few jurisdictions in the world investing heavily in quantum computing research and potential discoveries could lead to significant jobs growth in the cutting-edge industry.

Founded by scientists at Australian National University in 2019, Quantum Brilliance has developed the world's first portable quantum computer that operates at room temperature. The company uses the crystalline structure of diamonds as an insulator against noise and temperature, allowing for more advanced computing.

The investment in Quantum Brilliance will support the company to expand its Melbourne operations and its extensive research partnerships with several Victorian universities, including plans for base fabrication and advanced manufacturing in Victoria as the company grows.

This is Breakthrough Victoria's second investment into the sector and its first in an Australian business.

Quote attributable to Minister for Industry and Innovation Ben Carroll

"Quantum technologies have the potential to revolutionise industries that rely on computing power to solve complex problems and we're investing to ensure world-leading research and advanced manufacturing happens right here."

Quote attributable to Member for Bundoora Colin Brooks

"This innovative research has the potential to put Victoria of the forefront of global technology and innovation – and it's happening right here in Bundoora."

Quote attributable to Breakthrough Victoria CEO Grant Dooley

"By investing in companies like Quantum Brilliance and Inflection, we are building the framework for Victoria to be a global player in the revolution of quantum technologies."

Quote attributable to Quantum Brilliance co-founder and Chief Science Officer Dr Marcus Doherty

"We see Victoria as a crucial launch pad for Australia in quantum technologies and a natural partner for Quantum Brilliance."

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