**ASX Release****Powerhouse Ventures Limited****Level 1, Exchange Tower, 530 Little Collins St, Melbourne VIC 3000, Australia****(ASX Code: "PVL")****NZ Company No. 1854396 / ARBN 612 076 169****INVESTMENT IN QUANTUM BRILLIANCE****Melbourne, Australia: 5 May 2022**

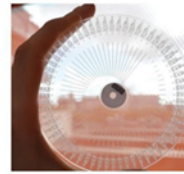
Powerhouse Ventures Limited (**PVL**) is pleased to advise shareholders that it has invested AUD500,000 for an ownership stake in Quantum Brilliance Pty Ltd. ("Quantum Brilliance").

Quantum Brilliance is an Australian-German quantum computing hardware company, developing quantum accelerators supported by a full stack of software and application tools. Using synthetic diamond, their quantum processor is designed to operate at room temperature and is miniaturisable leading to capabilities in co-processing of computational tasks with classical computer units.

This is in contrast with most quantum computing developments with delicate hardware that needs super stable and super cold environments, and which will have reduced accessibility, like the mainframe computers of the 1970s. With a roadmap to develop a quantum accelerator card with a form factor of a graphics card, Quantum Brilliance's vision is to integrate quantum computation into real world applications such as satellites, robots, and autonomous vehicles.

Quantum Brilliance was spun out of ANU in 2019 and is strongly supported by institutional VC. They have already achieved significant milestones along the technology roadmap, including the delivering of quantum system to a world leading supercomputing centre. The initial product fits into a standard server rack, and over the next few years the company will achieve gradual miniaturisation. Quantum Brilliance has also established its European HQ in Germany which is working with leading German institutions and companies on quantum computing and fabrication projects.

With no serious competition in room-temperature, edge-based quantum processors, Quantum Brilliance have significant IP moat, providing the decisive technology that would enable innovators to solve many global problems.



“James Kruger and his broader network of colleagues have been very helpful from a finance and corporate backbone perspective for a few years now and we welcome the expansion of the relationship via the PVL investment” remarked Andrew Horsely, CEO and co-founder of Quantum Brilliance.

PVL chairman, James Kruger, and PVL Advisory Panel Member Shaun Wilson, have been involved with quantum computing since 2017 and are well positioned to assess the investment as a board member and advisory board member respectively of Quantum Brilliance.

“I agree with CSIRO estimate that the potential Australian market opportunity from quantum computing is in the order of \$2.5 billion a year in revenue and 10,000 new jobs by 2040, however globally quantum computing is already emerging as future industry now.

Among the areas that will be the first to benefit from quantum computing are machine learning, logistics, defence, aerospace and quantum finance. I’m of high conviction that Quantum Brilliance will be a globally significant company in this emerging sector and exemplifies our next frontiers investment strategy” remarked PVL Chairman James Kruger.

Sincerely,

James Kruger
Non-Executive Chairman

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Authorised by the Board of Powerhouse Ventures Limited

About Powerhouse Ventures Limited:

Powerhouse is an investment company seeking to advance emerging intellectual property (principally originating from Australian scientists, engineers and institutions) into globally impactful businesses. The focus sectors are Electrification & Decarbonisation, Next Generation Computing, Space technologies, and Healthcare technologies.



Powerhouse has an existing active portfolio and strong pipeline of early stage to mature businesses across its focus segments. It has developed a unique network and broad base of skillsets to help its portfolio businesses expand and commercialise.