Archer Materials
Technology

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ASX Announcement (ASX: **AXE**) 1 July 2026

Archer enters strategic agreement with global quantum leader, IonQ

Highlights

- Archer has signed a strategic Quantum Compute Agreement with the world's leading quantum platform, IonQ, Inc (NYSE:IONQ).
- IonQ (market capitalisation ~USD$21 billion) provides commercial quantum solutions to customers including Air Force Research Lab, Hyundai, Airbus, AstraZeneca, and Lockheed Martin. In 2025, IonQ, AWS, NVIDIA and AstraZeneca demonstrated a more than 20x improvement in computational performance relative to previous quantum solutions.
- The Agreement provides Archer access to the IonQ Quantum Cloud to develop quantum algorithms, applications and solutions.
- In addition, under the Agreement Archer and IonQ will develop additional quantum computing services and assess the future deployment of an IonQ quantum computer in Australia.
- IonQ and Archer will determine data centre suitability for a sovereign Australian IonQ quantum computer and engage with customers across the corporate, government, research and education sectors for access to advanced quantum computing capability.
- Establishing a sovereign quantum computing capability in Australia has the potential to support national priorities across AI, cybersecurity, defence, mining and resources, logistics, financial services, healthcare, advanced manufacturing and scientific research.
- The Agreement with IonQ is a significant step in Archer's strategy to establish sovereign quantum computing capability in Australia.

Archer Materials Limited ("Archer", the "Company", "ASX: AXE"), a quantum company developing technologies in computing, sensing and medical diagnostics, has entered into a Quantum Compute Agreement with global quantum leader, IonQ, Inc. (NYSE:IONQ). The Agreement provides Archer and its customers access to the IonQ Quantum Cloud; the world's most advanced computational system to enhance development in defence, AI, mining and resources, healthcare, and scientific research.

Under the Agreement, Archer will build on the Company's proprietary quantum applications via software and algorithm development. The parties will collaborate to establish a sovereign quantum computing capability onshore, by assessing the deployment of an IonQ quantum computer in Australia.

IonQ is a global leader in quantum computing systems, quantum networking, sensing, security, cloud-based quantum access and enterprise solutions, delivering commercial quantum applications. IonQ has established strategic partnerships and customer relationships with leading global organisations including Amazon Web Services, Ansys, Google Cloud, Lockheed

Martin, and AstraZeneca, demonstrating strong commercial validation. IonQ’s commercial applications span across drug discovery, materials science, financial services, logistics, cybersecurity and defence.

Dr Simon Ruffell, Chief Executive Officer of Archer, said:

“This is a significant milestone for Archer, and we are delighted to enter this strategic partnership with global pioneer, IonQ. This program paves the way to grow quantum adoption in Australia.

“Quantum compute power is no longer a horizon technology, but a strategically critical utility ready for commercial deployment. There is an urgent and growing demand for quantum computing services in Australia, especially in areas where confidentiality and data sovereignty are paramount, such as in banking or defence.

“This Agreement with IonQ represents an exciting opportunity to explore how Archer can help bring advanced quantum computing services to Australian customers and support developing sovereign quantum capability nationally. Importantly, it expands our quantum business offering”

Under the Agreement, Archer will gain access to the IonQ Quantum Cloud, allowing the Company to advance its algorithms, such as its Quantum Machine Learning (QML) fraud detection program, and to work with partners and potential customers to develop additional quantum applications. An IonQ specialist engineering team will support Archer to advance its quantum computing applications, including algorithm selection, evaluation and planning for future quantum systems.

The strategic agreement with IonQ furthers Archer's strategy of identifying and executing potential acquisitions and external intellectual property opportunities aligned with the Company's quantum technology strategy[1].

Australia has a recognised quantum research base and a national strategy to grow the quantum industry. Archer believes that sovereign quantum computing capability could become an important part of Australia’s future technology infrastructure, allowing Australian companies, researchers and government agencies to access advanced quantum computing capability while building local skills, applications and commercial use cases.

Quantum Compute Collaboration Objectives

- Provide Australian enterprise customers with dedicated hours of IonQ compute time for next-generation application development
- Build a customer base and sales pipeline to grow quantum adoption in Australia and prepare for post-quantum cyber security
- Evaluating the onshoring of IonQ utility-scale computers in Australia - including assessing quantum computing and data centre infrastructure and partners
- Support Archer to establish specialist sales and technical capabilities to commercialise quantum computing as a utility service (QaAU) in Australia

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[1] Archer advances quantum strategy amid growing global momentum (June 15, 2026)

Upon successful completion of this Agreement, Archer and IonQ intend to collaborate to establish a cost effective, rapidly deployable sovereign utility-scale quantum capability in Australia, opening up an annual $6B domestic market opportunity by 2045[2]. Archer is uniquely positioned in the Australian public market as the only ASX-listed company focused on quantum technologies. The Company believes the Agreement with IonQ may strengthen Archer's position within the global quantum ecosystem and create a potential pathway to bring world-class quantum computing capability to Australia.

The Agreement has an initial term of three years and can be renewed by mutual agreement between Archer and IonQ. During the term, Archer will pay IonQ US$250,000 on signing the Agreement and then US$250,000 every six months thereafter (total of US$1.5 million), and IonQ will provide Archer with access to IonQ's Quantum Cloud on an IonQ Forte-class system and once available, the IonQ Tempo-class system or subsequent systems. IonQ will also give Archer access to IonQ's quantum simulator and expert advisory and consulting services.

The Board of Archer authorised this announcement to be given to ASX.

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About Archer

Archer is a quantum technology company that operates within the semiconductor industry. The Company is developing advanced semiconductor devices, including chips relevant to quantum computing, sensing, and medical diagnostics. Archer utilises its global partnerships to develop these technologies for potential deployment and use across multiple industries. www.archerx.com.au

About IonQ

IonQ, Inc. [NYSE: IONQ] is the world's leading quantum platform and foundry - delivering integrated quantum solutions across computing, networking, sensing, and security. IonQ's newest generation of quantum computers, the IonQ Tempo, is the latest in a line of cutting-edge systems that have been helping customers and partners including Amazon Web Services, AstraZeneca, and NVIDIA achieve 20x performance results and accelerate innovation in drug discovery, materials science, financial modeling, logistics, cybersecurity, and defense.

In 2025, the company achieved 99.99% two-qubit gate fidelity, setting a world record in quantum computing performance.

Headquartered in College Park, Maryland, IonQ has operations in California, Colorado, Massachusetts, Tennessee, Washington, Italy, South Korea, Sweden, Switzerland, Canada, and

[2] *Source: Australian Government National Quantum Strategy; CSIRO / 2024 State of Australian Quantum report*

the United Kingdom. Our quantum computing services are available through all major cloud providers, while we also meet the needs of networking and sensing customers across land, sea, air, and space. IonQ is making quantum platforms more accessible and impactful than ever before. Learn more at IonQ.com.

Forward looking statements

This announcement contains forward-looking statements. All statements contained in this press release other than statements of historical fact are forward-looking statements, including statements regarding international technology collaborations, future business endeavors, technological enhancements, quantum networking, quantum platform framework, and commercial market forecasting.. In some cases, you can identify these statements by forward-looking words such as “enhance”, “strengthen”,”commercialise”, “provide”, ”create”, “give”, “gain”, ”develop”, “become” “build,” “strengthen,” “pending,” “look forward,” “accelerate,” “anticipate,” “expect,” “suggest,” “plan,” “believe,” “intend,” “estimate,” “target,” “project,” “should,” “could,” “would,” “may,” “will,” “forecast,” “confident” and other similar expressions. These statements are only predictions based on our expectations and projections about future events as of the date of this press release and are subject to a number of risks, uncertainties and assumptions that may prove incorrect, any of which could cause actual results to differ materially from those expressed or implied by such statements, including, among others, those described under the heading “Risk Factors” in our most recent filings with the Securities and Exchange Commission. New risks emerge from time to time, and it is not possible for our management to predict all risks, nor can management assess the impact of all factors on our business or the extent to which any factor, or combination of factors, may cause actual results to differ materially from those contained in any forward-looking statement we make. Investors are cautioned not to place undue reliance on any such forward-looking statements, which speak only as of the date they are made. Except as otherwise required by law, we undertake no obligation to update any forward-looking statement, whether as a result of new information, future events or otherwise.