

ASX Announcement ([ASX: AXE](#))

4 May 2021

## New quantum computing agreement with IBM

Archer Materials Limited (“Archer”, the “Company”, “[ASX: AXE](#)”) is pleased to announce that the Company has executed a new quantum computing agreement with International Business Machines Corporation (“IBM”, “[NYSE: IBM](#)”). Archer and IBM will continue to work together on the advancement of quantum computing.

As part of the new agreement between Archer and IBM, Archer retains membership to the global [IBM Quantum Network](#) and the associated IBM Quantum Startup Program. The new agreement also gives Archer the opportunity to progress the work initiated under the previous agreement (ASX ann. [5 May 2020](#)). Archer is one of the first Australian companies developing quantum computing technology to have joined the invitation-only, IBM Quantum Network.

Archer will continue to have access to IBM's quantum computing expertise and resources, and open-source Qiskit software and developer tools. IBM will also provide Archer access to the IBM Quantum Computation Center, which includes the most advanced quantum computers commercially available to explore practical end-user applications.

**Commenting on Archer's collaboration with IBM, Archer CEO Dr Mohammad Choucair said:** “We are at an early stage in terms of the work that needs to be done with IBM, so we are looking forward to our continued collaboration.”

“When we see what has been achieved in the quantum ecosystem to date, we are determined to actively engaging in, and contributing to, the global IBM Quantum Network.”

“Archer is making crucial steps towards its goal of enabling practical quantum computing applications, and IBM is helping us get there.”

### About Archer's <sup>12</sup>CQ Chip

<sup>12</sup>CQ is a world-first qubit processor technology that Archer is building for quantum computing operation at room-temperature and integration onboard electronic devices. For more information about Archer's <sup>12</sup>CQ progress, please visit <https://archerx.com.au/our-business>.

<sup>12</sup>CQ® is a registered trademark of Archer Materials Limited.

### About IBM Quantum

IBM Quantum is an industry-first initiative to build commercial universal quantum systems for business and science applications. For more information about IBM's quantum computing efforts, please visit <https://www.ibm.com/quantum-computing/>.

IBM Quantum Network™ is a trademark of International Business Machines Corporation.

### About Archer

A materials technology company developing innovative deep tech in quantum computing, biotechnology, and reliable energy. The Company has strong IP, world-class in-house expertise, a unique materials inventory, and access to Tier 1 technology development infrastructure.

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

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