

ASX Announcement (ASX:AXE)

2 September 2019

Quantum.Tech conference

Archer Exploration Limited (“Archer”, the “Company”) (ASX:AXE) is pleased to announce that following significant progress achieved through technology development derisking activities, the Company has advanced its commercial strategy in relation to its quantum technology vertical. As part of this commercial strategy, Archer CEO, Dr Mohammad Choucair, and Quantum Technology Manager, Dr Martin Fuechsle will be attending the Quantum.Tech Global Business Conference & Exhibition (“Conference”) in Boston, Massachusetts, USA from September 10 – 11, 2019.

The Conference is a high-level international event with a strong focus on the commercial applications of quantum technology, beyond the fundamental science, and aims to facilitate the development of the broader supply chain in the commercialisation of quantum computing technology.

Archer will attend the Conference to: update delegates on the Company’s quantum technology, initiate strategic business relationships, identify upcoming opportunities and conduct face-to-face meetings with a number of company key decision makers in the quantum economy. Dr Choucair and Dr Fuechsle have scheduled several meetings with companies and delegates at the Conference, and in Boston during the week of the Conference.

Outstanding achievements have recently been accomplished, as Archer has strengthened the commercial readiness of the ¹²CQ room-temperature qubit processor (“chip”). The Company has access to world-class facilities required to build prototype chips (ASX Announcement 3 April 2019); successfully begun assembling chip prototypes (ASX Announcement 26 June 2019); and has recently demonstrated the possibility of qubit scalability in the fabrication of a working chip prototype by precisely positioning the critical chip qubit component (ASX Announcement 26 August 2019).

Archer CEO, Dr Mohammad Choucair, said: “Archer continues to demonstrate key success factors towards developing a working chip prototype that could potentially offer a solution to direct consumer ownership of quantum computing powered technology. We look forward to sharing our exciting progress with companies in the quantum computing ecosystem and semiconductor industries”.

Background

A qubit processor (“Processor”) is the most crucial hardware component of a quantum computer. Processors come in a variety of forms depending on the qubit type and materials used. Many quantum computers currently use Processors that can only operate at low temperatures and/or are difficult to integrate in modern electronics, limiting ownership and use.

The successful development of the ¹²CQ room-temperature qubit processor chip could potentially overcome both the limitations of low operating temperatures and electronic device integration for qubits and would represent a breakthrough solution to the widespread use and ownership of quantum computing powered technology.

About Archer

Archer provides shareholders exposure to innovative technologies and the materials that underpin them. The Company has a focused strategy targeting globally relevant materials markets of quantum technology, human health, and reliable energy.

General Enquiries

Mr Greg English
Executive Chairman

Dr Mohammad Choucair
Chief Executive Officer

Tel: +61 8 8272 3288

For more information about Archer's activities, please visit our:

Website:
<https://archerx.com.au/>

Twitter:
<https://twitter.com/archerxau?lang=en>

YouTube:
<https://bit.ly/2UKBBmG>

Medium:
<https://medium.com/@ArcherX>

Sign up to our Newsletter:
<http://eepurl.com/dKosXI>