WORLD CLASS ENGINEER AND INNOVATOR JOINS SICONA BOARD AS CHAIRMAN

Dr Andrew Harris joins the Sicona team as Chairman, further enhancing its technical and innovation abilities as it continues scaling its silicon composite anode and Artificial Intelligence technologies.

SYDNEY, Australia. March 26, 2020. Sicona Battery Technologies Pty Ltd ("Sicona"), a Sydney based battery technology start-up, announced today that it has appointed engineer and innovator, Dr Andrew Harris as Chairman of its Board.

Dr Harris is a Professor of Chemical and Biomolecular Engineering at The University of Sydney and the Australian director of Laing O'Rourke's future engineering and innovation consultancy, the Engineering Excellence Group. He is a Chartered Engineer and Fellow of the Institute of Chemical Engineers (IChemE) and Engineers Australia (IEAust) and a member of the Australian Institute of Company Directors.

Throughout his career Andrew has worked at the interface between industry and academia and is widely recognised as an expert in disruptive innovation, with deep expertise in the scale-up and commercialisation of clean technologies.

Dr Harris is a non-executive Director of Hazer Group (ASX:HZR), a listed clean technology company and serves on the advisory board of the Australian Research Council Centre for Robotic Vision.

Sicona founder and CEO, Christiaan Jordaan commented “Andrew is a great addition to the Sicona team. He brings a wealth of experience in engineering, materials science and technology scaling in addition to his abilities as an entrepreneur and innovator of disruptive clean technologies”.

About Sicona and Sicona AI Systems

Sicona Battery Technologies [Sicona] is a Sydney based battery technology company.

Sicona develops next generation battery technology used in the anodes (negative electrodes) of lithium-ion (“Li-ion”) batteries that enable electric-mobility and storage of renewable energy. Sicona is commercialising an innovative silicon-composite battery anode technology, developed and perfected over the last ten years at the Australian Institute for Innovative Materials (AIIM). Sicona's silicon-composite anode technology delivers up to 177% higher capacity than conventional
“graphite-only” batteries and its anode materials can deliver up to 75% higher cell energy density than current Li-ion batteries.

Sicona uses off the shelf equipment in a highly scalable and efficient manufacturing process to produce its active anode materials and polymer binders.

Sicona intends to licence and/or produce and sell high performance active anode materials into the US$125bn Li-ion battery market through a focused partnership approach with established and reputable anode, natural and synthetic graphite and carbon companies.

Sicona AI Systems [Sicona AIS] is a Sydney based battery technology company and subsidiary of Sicona Battery Technologies.

Sicona AIS is developing a powerful time series battery intelligence and diagnostics platform driven by next-gen Artificial Intelligence (AI) and Machine Learning (ML) which will be able to mine, search and predict patterns in battery management system (BMS) data. The Sicona AIS engine will be able to more accurately estimate batteries’ State of Charge (SoC) and State of Health (SoH) and protect cells from out of tolerance conditions.

Monitoring battery performance and establishing BMS controls using Sicona AIS’ technology will significantly extend battery life and efficiency of battery operations for Electric Vehicle (EV) and Energy Storage Systems (ESS). The applications will be available to automotive Original Equipment Manufacturers (OEMs) and ESS owners/operators as a Software as a Service (SaaS) analytics platform in addition to being installed into vehicles and ESSs.

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