



**Sicona**, an Australian business that develops next-generation battery materials technology, plans to open a plant in Chennai through a joint venture with an Indian company after the Tamil Nadu government published the new e-vehicle policy.

At Wollongong University, which is assisting Australia in the energy transition, Christian Jordaan, the company's founder and CEO, informed visiting Indian journalists that the company will be developing next-generation battery materials technology used in the anodes (negative electrodes) of lithium-ion ("Li-ion") batteries that enable electric mobility and the storage of renewable energy.

"This will significantly increase the energy density to bring down the cost upfront for electric vehicles," he said.

"We are commercialising an innovative silicon-composite battery anode technology, developed and perfected over the last 10 years at the Australian Institute for Innovative Materials (AIIM). Sicona's current generation silicon-composite anode technology delivers 50 per cent to 100 per cent higher capacity than conventional graphite anodes and its anode materials can deliver more than 50 per cent higher cell energy density than current Lithium-ion batteries," said Jordaan.

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