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From the Research Lab to the Market: Advanced Battery Testing and Diagnostics

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Rechargeable lithium-ion batteries play an important role in the transition away from non-renewable sources of energy. Due to the long lifetime demanded of sustainable technologies, high accuracy, high precision testing is needed to enable reliable predictions of the lifetime of batteries within a short period of time. Novonix is a company spun out of Dr. Jeff Dahn's lab at Dalhousie University that specializes in developing equipment with a strong focus on the use of High Precision Coulometry (HPC) for lifetime evaluation of lithium-ion cells. This presentation will discuss the HPC technique used to study the performance and failure of lithium-ion batteries in addition to the realities of starting a company out of a research lab.

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