



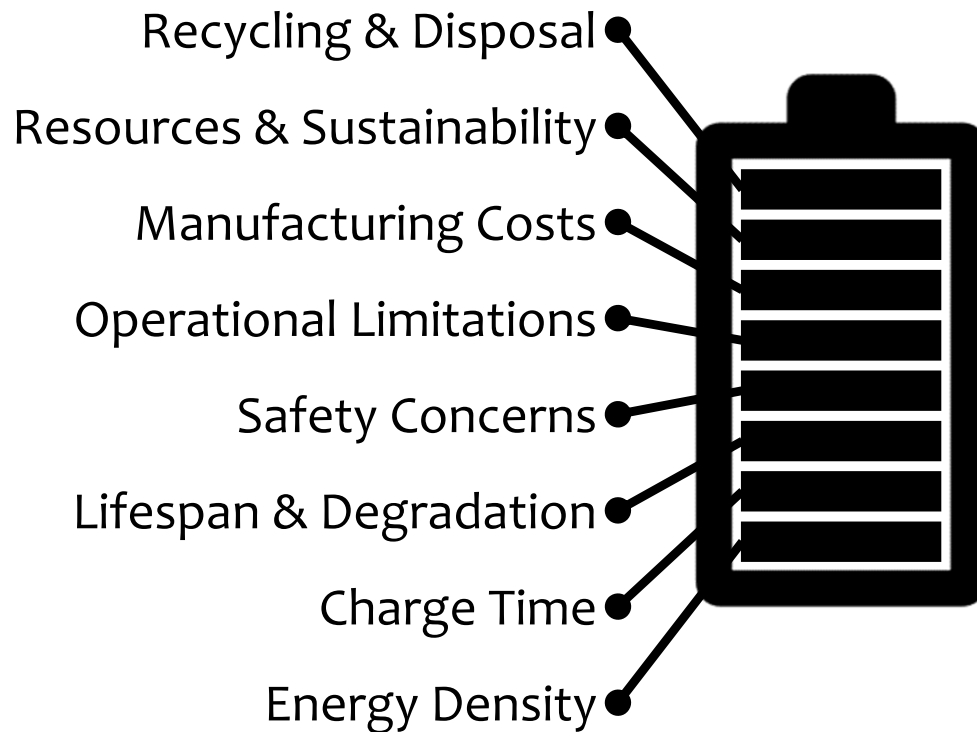
UNIVERSITY OF
CALGARY

UCalgary Science

advancing the future of energy

#GetScienceDone

Current challenges in energy storage...



- Current battery technologies still have significant limitations
- UCalgary researchers are involved in aspects of each of these to varying degrees
- Efforts going towards:
 - Improving/optimizing current tech
 - Developing drop-in replacement tech
 - Exploring new opportunities

UCalgary startups driving change...



Next generation electrolytes

Silicon-based anode technology



Solid-state sodium batteries



BEE ENERGY

Sustainable high-quality graphene



Direct lithium extraction technology

Novel carbon materials



electrochemical air capture and hydrogen



O-Two Carbon

Direct ethylene from off-gas

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UCalgary Science in support of industry R&D...



- Many different ways that we can support industry R&D
 - Scientific and technical consulting
 - Research partnerships:
 - Research contracts (clear deliverables on shorter timescales)
 - Collaborative projects (interactive and dynamic partnerships)
 - Spin-off Research projects (off-loading to academic partners)
 - Access to specialized instrumentation/equipment
 - Fee-for-service access
 - Full service data collection + analysis
 - Collaborative access (through partnerships)



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