

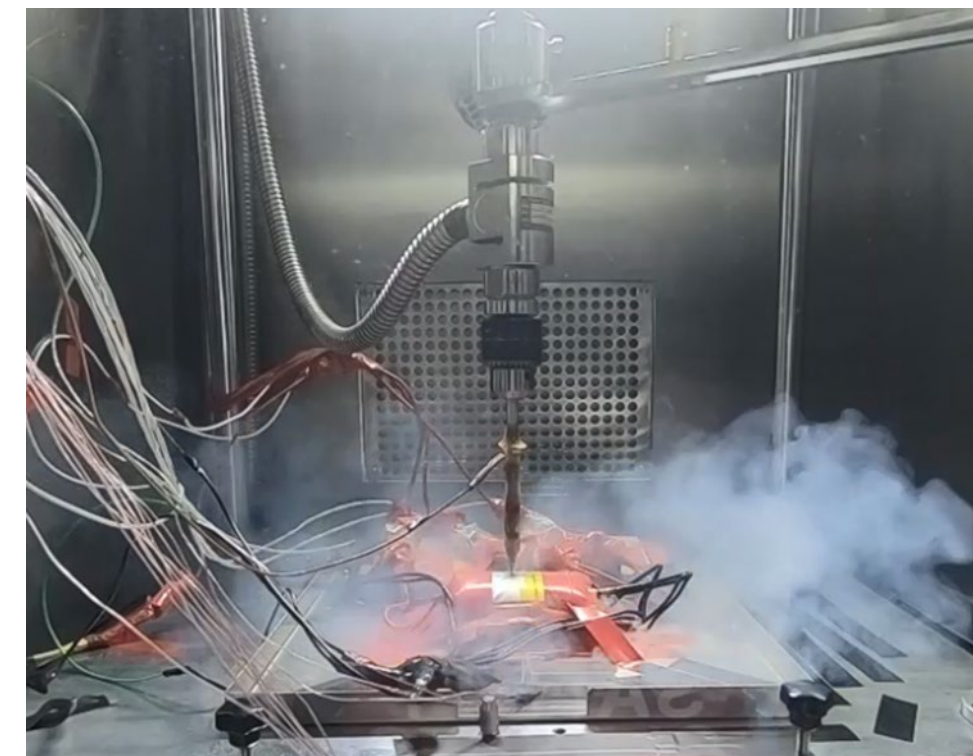
EEDD

Battery Self Cooling for Safe Recycling



Team Introduction

- Team EEDD is from The University of Alabama in Huntsville (UAH).
- Our expertise is on battery diagnosis, design and thermal management for enhanced safety, performance, and durability.
- We have facilities from cell fabrication to novel safety testing.
- For this Battery Recycling Challenge, we focus on Track 3: Safe Storage and Transportation.



Proposed Solution

- Our solution is Battery Self Cooling for Safe Recycling.
- Research shows that thermal runaway risk can be mitigated if Li-ion batteries are fully discharged or kept cool.
- By recovering energy from recycled batteries, they can be kept inactive and cool for safe storage and transportation.

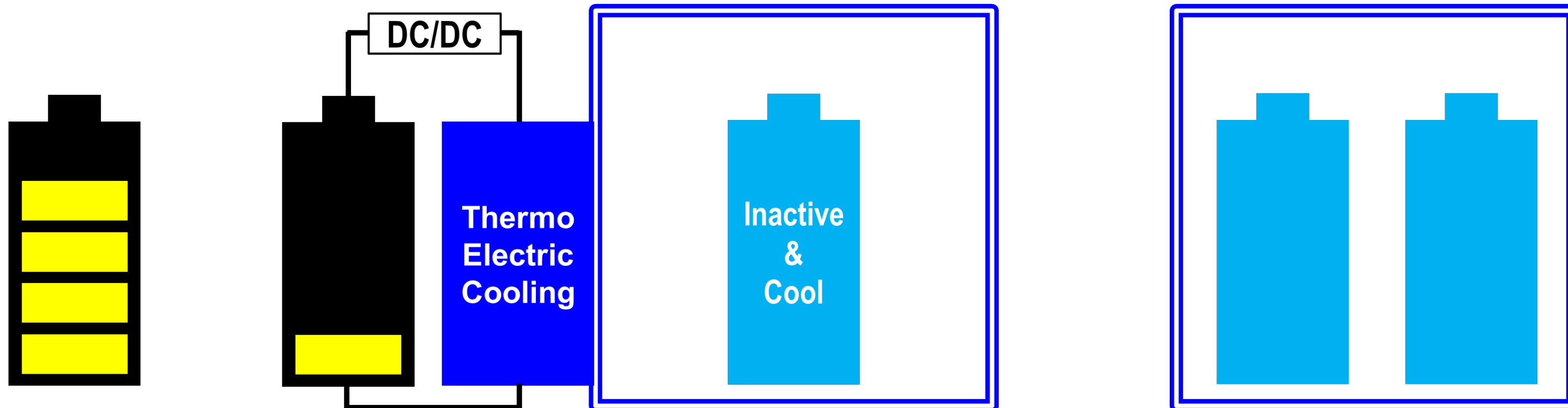
**Battery to Recycle
with Uncertain
Energy & Risk**



**Battery Energy
Reduced & Recovered
for Inactivity & Cooling**



**Passive Thermal Management
Keeps Batteries Cool & Safe
for Storage & Transportation**



Partnership Interests

- We are interested in organizations with expertise in battery separation and sorting or with expertise in battery manufacturing.
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