KULR Technology Group Open House Oct. 2024

Michael Mo
CEO and Co-Founder

Thank you for coming!

OPEN HOUSE
AGENDA

555 FORGE RIVER RD
UNIT 100
WEBSTER, TX 77598

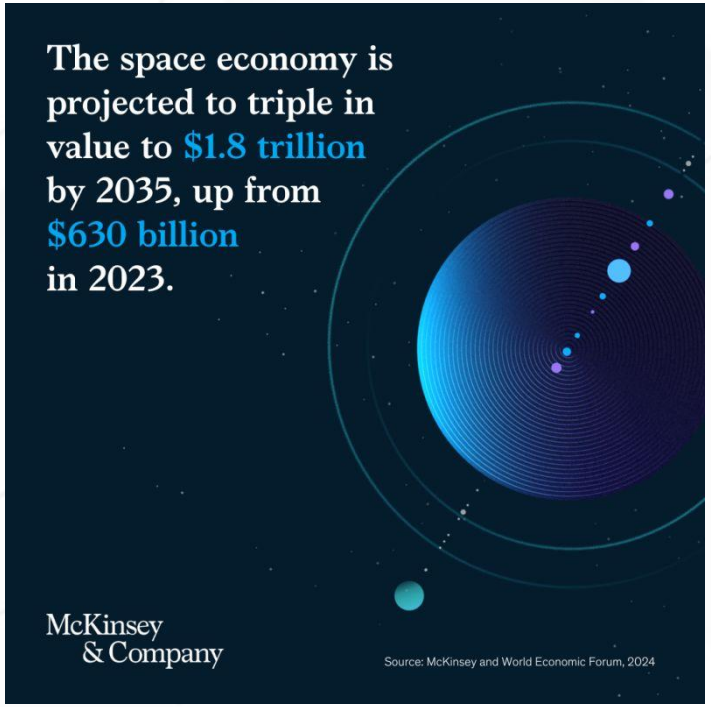
DATE: 23 OCTOBER 2024

TIME	TOPIC
8:00am - 8:30am	**Check-in**
8:30am - 8:45am	**Welcome and Introductions** *Speaker: Michael Mo*
8:45am - 9:45am	**Technology Domain Roadmap** *Speaker: Will Walker* • Overview of KULR's next-generation thermal management and battery safety solutions • Insights into upcoming innovations and strategic product developments for 2025 and beyond
9:45am - 10:00am	**Coffee Refresh**
10:00am - 10:45am	**Discussion Panel - NASA 20793** *Speaker: Will Walker* • In-depth discussion on the implementation and benefits of the 20793 standard in battery safety and energy storage • Interactive Q&A session with industry experts and KULR leaders on challenges, innovations, and future developments
10:45am - 11:30am	**Reference Design / e-Aviation (K1 Air)** *Speakers: Yvonne Diaz & Erik Vaknine* • Amprius and KULR collaborative advancements in e-Aviation technology • Exploring K1 Air as an innovative design solution for thermal management and safety.
11:30am - 12:30pm	**Lunch**
12:30pm - 12:40pm	**Assemble Demonstration Rotation Groups**
12:40pm - 1:00pm	**Demo 1: Rapid Prototyping & Component Fabrication** *Rotations 1 & 2* • Live demonstration of KULR's rapid prototyping for thermal management solutions and overview of component fabrication techniques accelerating product development
1:00pm - 1:20pm	**Demo 2: Pack / Module Assembly & Tab Welding** *Rotations 1 & 2* • Demonstration of battery pack and module assembly processes and insight into precision tab welding for enhanced battery performance
1:20pm - 2:00pm	**Protecting Against Li-ion Fires - Insurance Panel** *Speakers: Bob Richard & Gio Chiarelli* • Expert discussion from insurance leaders on risk mitigation, fire prevention, and coverage solutions to reduce liabilities in battery-powered applications
1:20pm - 2:00pm	**Coffee Refresh / Side Meetings**
2:00pm - 2:30pm	**Demo 3: FTRC / IZM / Bomb Calorimetry** *Rotations 3 & 4* • Demonstration of FTRC and IZM testing methods and overview of KULR's bomb calorimetry test to analyze thermal reactions and energy release in battery systems
2:30pm - 3:00pm	**Demo 4: SafeX Solution** *Rotations 3 & 4* • Overview of KULR's SafeX technology for advanced thermal runaway mitigation, containment, and its role in enhancing safety and reliability across various energy storage and transportation applications
3:00pm - 4:00pm	**SafeCASE Abuse Test** • Real-time demonstration of SafeCASE's resilience under extreme conditions and abuse scenarios
4:00pm - 6:00pm	**Backyard BBQ** • Kick back with some good ol' BBQ cooked by one of our own, grilling up tasty Texas favorites • Live music, cold drinks, and great company to wrap up the day in true Texan style

sales@kulrtechnology.com +858-866-8478 www.KULRtechnology.com

What can we do together to make you more successful?

Riding The Wave of Multiple Generational Technology Transformations



We are building an energy management platform for efficiency, safety and sustainability

Internal Short Circuit (ISC) Trigger Cell Device

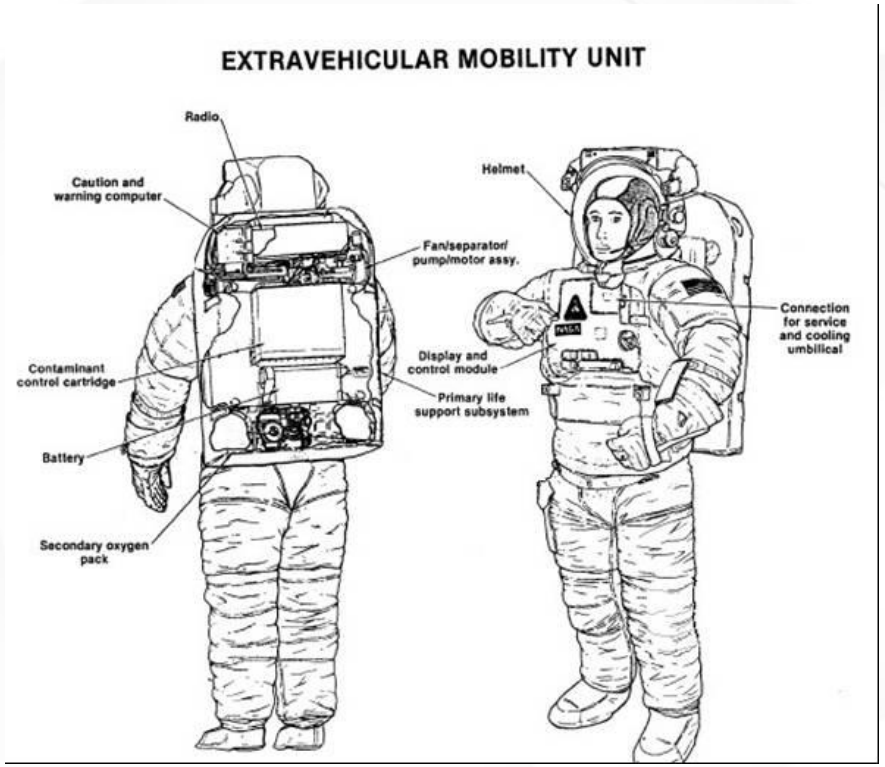
Insights from Safety Tests with an On-Demand Internal Short Circuit Device in 18650 Cells

By

Eric Darcy/NASA-JSC
Houston, TX

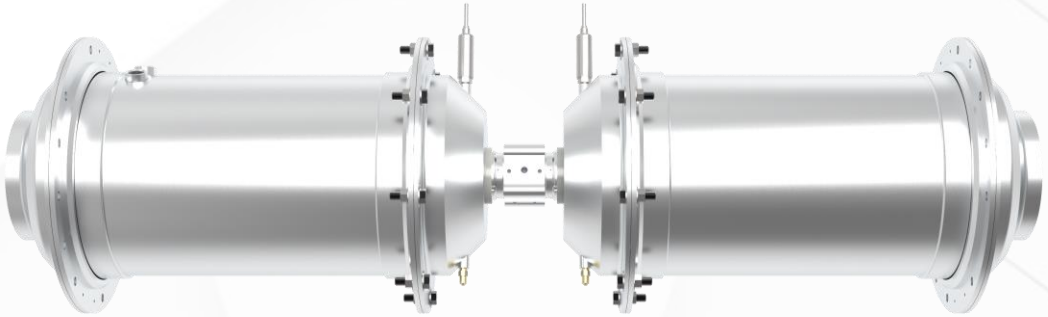
Photo Credits: NREL

International Battery Seminar
Fort Lauderdale, FL
21-23 Mar 2017



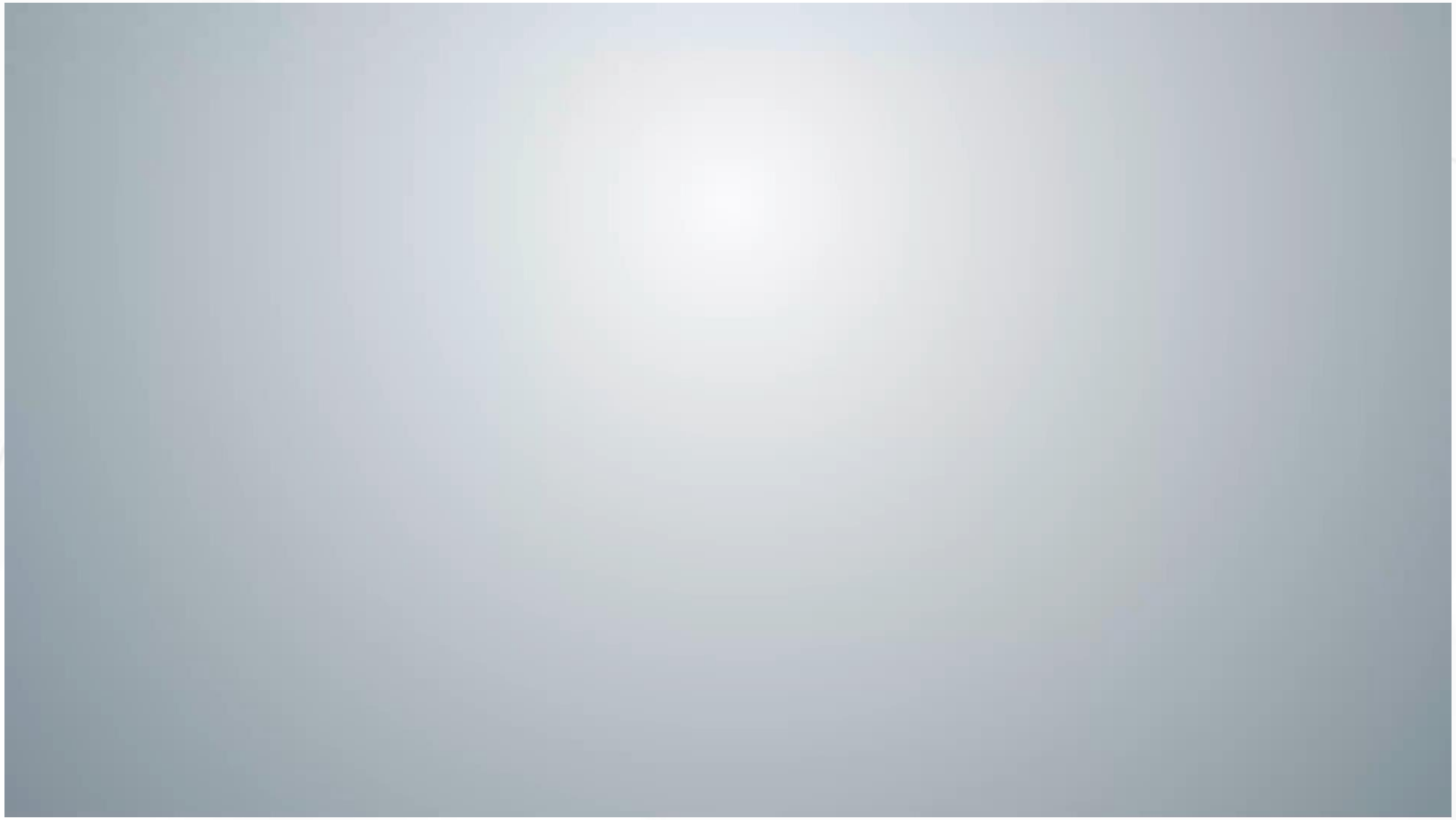
Fractional Thermal Runaway Calorimeter – NASA Licenses

2022



2023

Automated Cell Screening for Strategic Battery Reserves



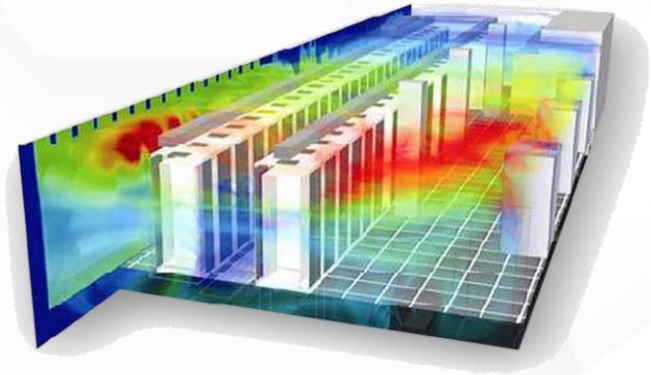
SafeX for Battery Storage and Transportation

2019

2024

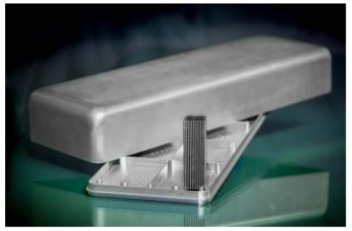
KULR Xero VIBE for Computer Server and Industrial Fans

According to a recent Morgan Stanley report, the liquid cooling systems for Nvidia's GB200 high-end rack cost more than $80,000, about 15 to 20 times the cost of an air-cooling system for an existing rack with H100 chips. More than 95% of current data centers use air cooling because of its mature design and reliability

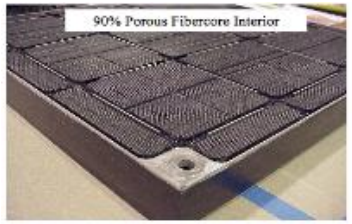


KULR Heritage of Space Proven Thermal Management Solutions

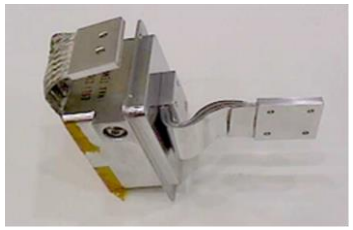
Space Shuttle
1998

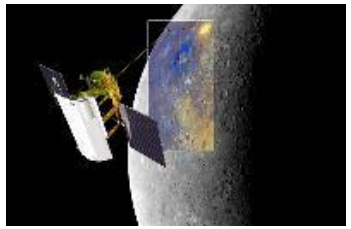


X-38
1999

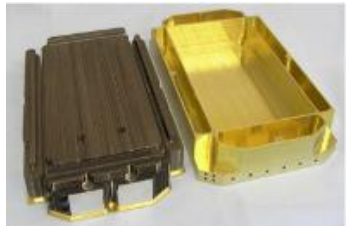


Mercury Messenger
2002



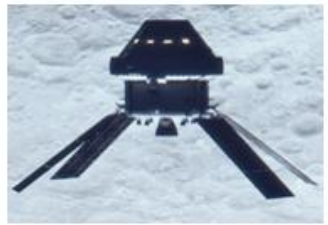


International Space Station
2017



Mar Rover Perseverance
2020 - Present

Artemis
2022 - Present



Market Research Analyst 1988 (ChatGPT)

What can we do together to make you more successful?