



**KTON**

PARTNERING WITH EXPERIENCE



Connecting the US  
Battery & Electrification  
industry with  
Asian technology

**Asia**

**America**



## KTON Brings Value To Partners And Clients Through:



Penetrating insights into battery industries in Asia and the US

Critical understanding of industry pain points and key solutions

Large network of experienced technology and business partners in both APAC and the US



Key relationships within the US industry and stakeholders

Access to battery testing, manufacturing, and recycling equipment and technology



Unparalleled expertise in US-Asia business culture and communication



## Battery Products & Services



## US Onshoring Services



## Advisory Services





# Battery Products & Services



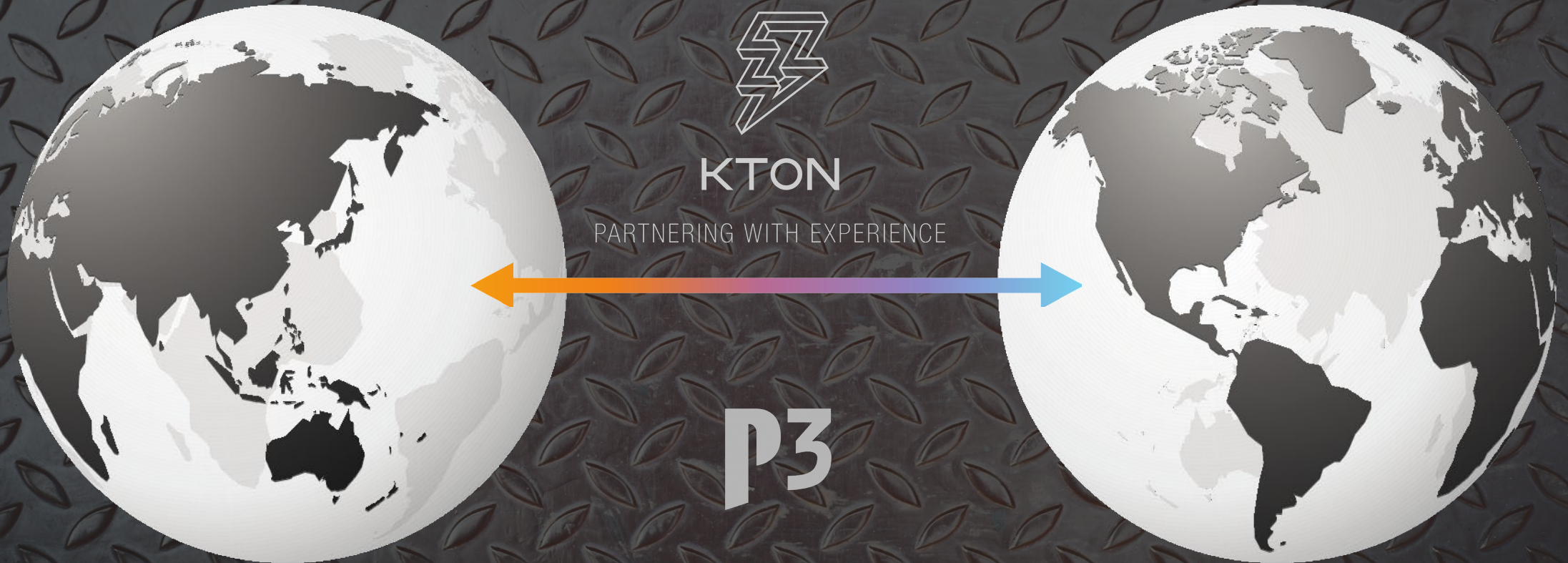
We've partnered with top players in the battery industry to bring advanced equipment, services, and technology from Asia to the US.



# KTON/P3 Master Tech Team



KTON/P3 have strategically curated a **master-level battery production technology team**, drawing expertise from both South Korea and the United States to support the emerging battery industry in the U.S.





# Complete Industrialization Support



## Design Validation

Design Verification and Manufacturing Feasibility Review

- Technology Benchmarking
- Process Planning
- Equipment Selection
- Plant Layout



## Process Development

Mass Production Process Evaluation

- Pilot Production
- Production Facilities Planning
- Production Systems
- Test Equipment
- Vision Systems
- Incentive Investment
- Plant Location Selection



## Production Validation

Mass Production verification and approval

- Production Design and Construction
- Production Facilities Layouts
- Production Systems Development
- Quality System
- Testing and Inspection Equip/systems
- Tooling Installation
- PMO Support



## Mass Production

Ramp-up

- Ramp-up
- Efficiency Improvements
- Training and Work Instruction
- Recruitment  
(50 ~ 100 associates/month)

Preliminary Consulting

Design, Process Development & Validation

Manufacturing & Recruitment





# Scalable Support



## Design Validation

Design Verification and  
Manufacturing Feasibility Review



## Process Development

Mass Production  
Process Evaluation



## Production Validation

Mass Production  
verification and approval



## Mass Production

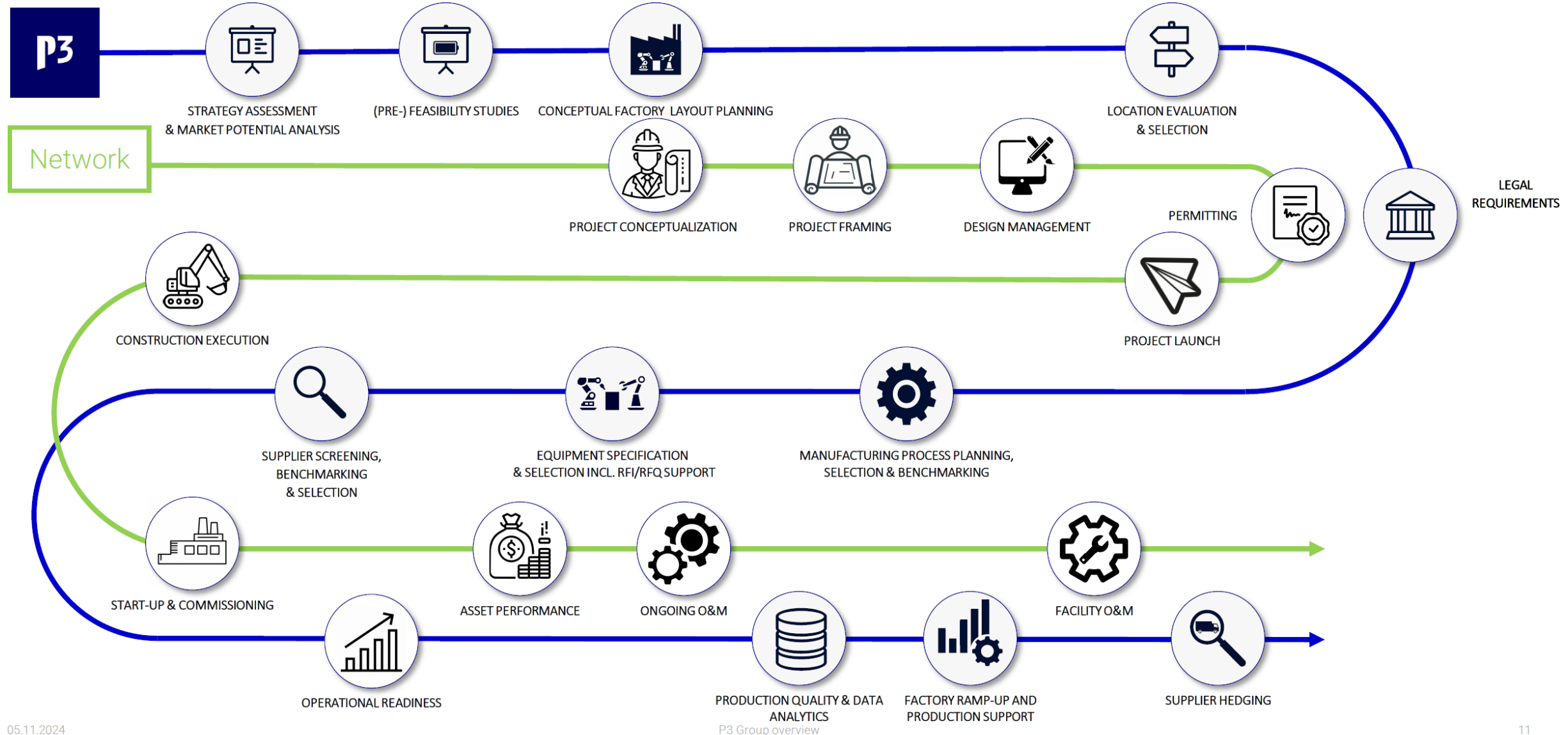
Ramp-up

Laboratory to Pre-Pilot Scale

Pilot to Mass Production (Giga Factory) Scale

Complete Strategic Planning and Industrialization Support

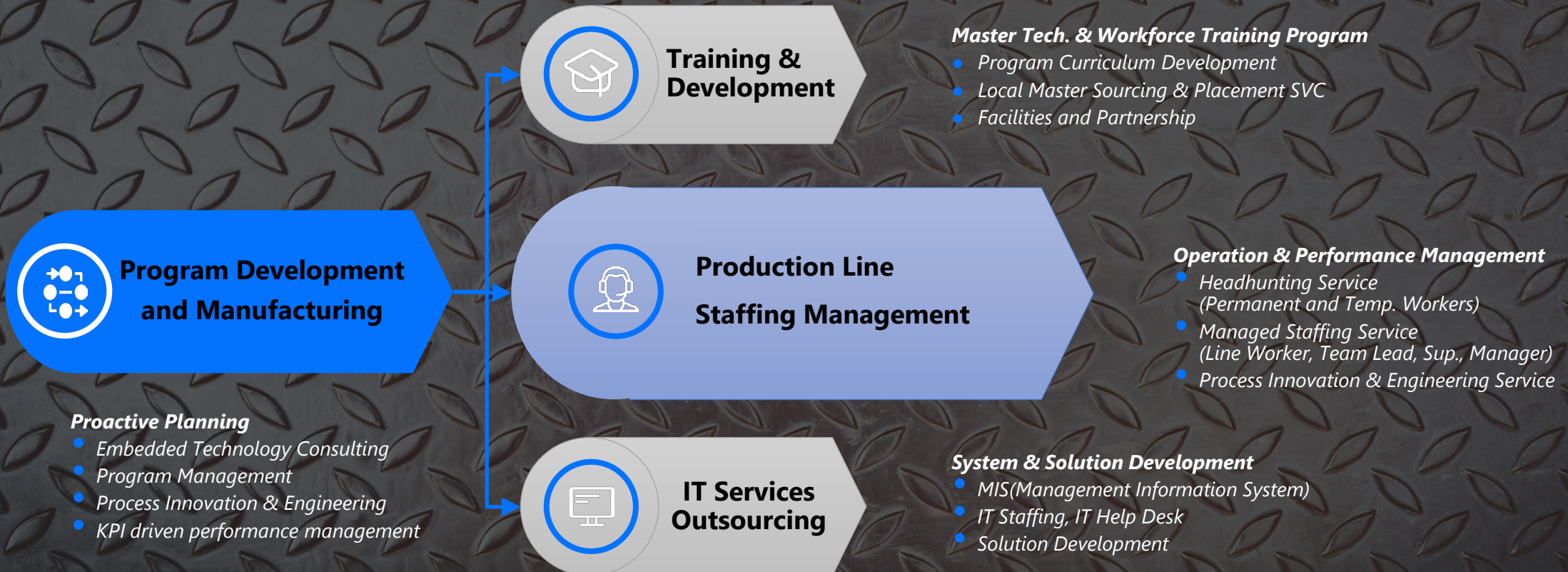
FOCUS INDUSTRIALIZATION: WE DELIVER SOLUTIONS ACROSS TECHNOLOGIES FROM INNOVATION TO IMPLEMENTATION FOR OUR CUSTOMERS.





# Facility Support, Staffing & Interim Management

KTON/P3 have strategically curated a **Battery Manufacturing Focused Staffing Service**, drawing expertise from both South Korea and the United States to support emerging battery startups in the U.S.





# US Onshoring Services



We formed a strategic alliance with American service providers to support Asian companies in their efforts to establish Foreign Direct Investment (FDI) Onshoring ventures in the U.S.



# Advisory Services



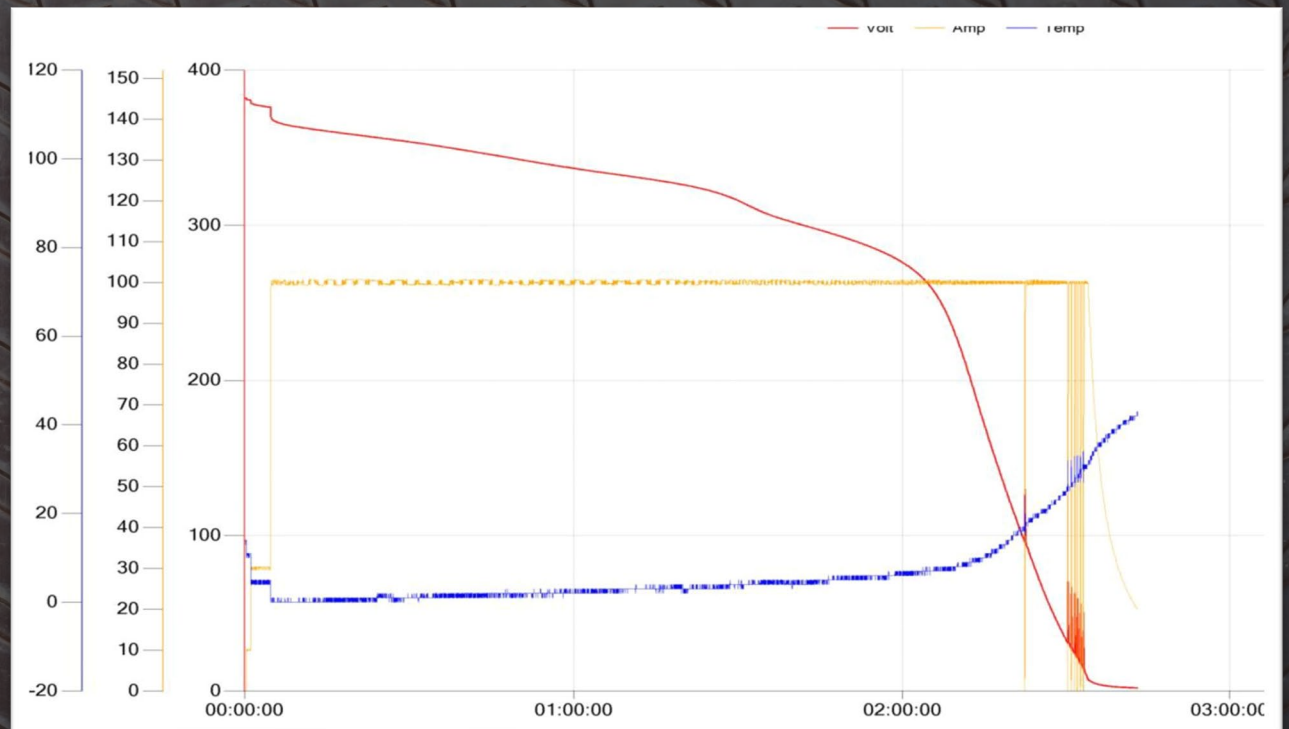
We leverage KTON's extensive network of influential advisors to support battery-related companies across the Pacific.



# Maroo – Rapid Discharger

Maroo On

- The Maroo Rapid-Discharger/Terminator
  - Safe and complete discharging of large format batteries (EV)
  - Full discharging of 100kWh EV battery pack in 2.5 hrs





# JEIO Tech - Chambers



- JEIO Tech is Korea's leading laboratory equipment manufacturer since 1988
- JEIO Tech's battery test chambers are used by leading Korean tech conglomerates such as Samsung SDI and LG Chem

## Battery Test Chambers Battery Pack Chillers



**SAMSUNG**  **LG**



# DG Bell – Safety Testing



- DG Bell offers a full-line of battery safety test equipment since 2005
- World-Wide Clientele



Battery Pack Drop Tester



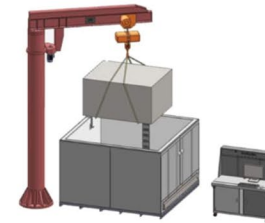
Battery Pack Rotate Test Device



Horizontal Battery Crush Nail Penetration Test Machine



Walk in Chamber for Rapid Rate Temperature / Humidity Test



Sea Water Immersion Test Device



Walk in chamber for Complex Salt Spray Test (Temperature controllable)



External Fire Exposure Test Machine



Large Current Battery Short Circuit Test Device



Thermal Runaway Test Machine



Walk in Chamber for Altitude Simulated Test



Walk in Chamber for Sand Dust-proof Test



Walk in Explosion-proof Chamber (Auxiliary Equipment)





## NAATBatt Onshoring Battery Technology Committee

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This committee assists and advises battery and battery materials companies located outside of North America in establishing manufacturing operations in the United States.

Existing NAATBatt members can use the committee to identify and partner with new market entrants. NAATBatt welcomes foreign companies that wish to become members of the North American advanced battery community.

### Current Chairs

Andreas Bareid, QAD

Fred Lee, KTON, VP NAATBatt



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