

KTON

PARTNERING WITH EXPERIENCE



KTON MISSION



Offering battery development, manufacturing, testing, and recycling equipment from a network of Korean, Japanese & Chinese companies

A technology and business on-shoring partner with technical expertise and local knowledge/experience in the USA

KTON BATTERY TECHNOLOGY ASIAN PARTNERS



8Energy

- Design & Commercialization
- 15 Years of Experience from Japan

8ENERGY



Fine Eco Solutions (FES)

- Module Design & Application
- 15 Years of Experience from Japan

ReTeck



- Battery Recycling – Reverse Supply Chain Management
- 30 Years of Experience from USA



MarooOn

- Battery Terminator/Rapid-Discharger
- 20 Years of Experience from Korea



PM Grow

- Pack Manufacturing, BaaS, 2nd life ESS
- 30 Years of Experience from Korea



Mission Design & Automation

- Automation Engineering
- 28 Years of Experience from the US



ONTest

- Battery Diagnostics /EOL Evaluation Technology
- 20 Years of Experience from Korea



RT Solution

- Automotive Testing Services
- 20 Years of Experience from Korea

Korea Conformity Laboratories

- Full Testing & Certification Services
- 20 Years of Experience from Korea

ACS

- Engineer, Integrate, Build
- 28 years of Experience in the US



Marubeni Techno Systems

- Expertise & Manufacturing
- 15 Years of Experience from Japan



JEIO TECH

- Battery Testing Chambers and Chillers
- 30 Years of Experience from Korea



DG BELL

- Battery Testing Equipment – Physical, Mechanical & Environmental
- 15 Years of Experience from China



KTON-Peak

- Vibration Test
- 28 Years of Experience from China



CHAEVI

- DC Fast Charging
- 6 Years of Experience from Korea



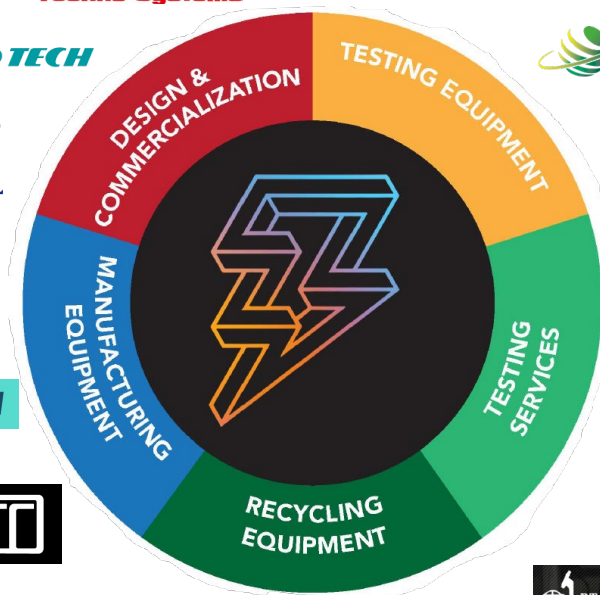
BlueCapCan

- Caps & Cans
- 5 Years of Experience from Korea



Green Mineral

- Bio-Mineralization





- JEIO Tech is Korea's **leading laboratory equipment** manufacturer
- 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





- DG Bell offers a full-line of battery safety test equipment



New Energy Battery Companies



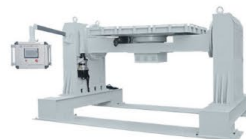
New Energy Vehicles Companies



Third-party Detection Institutions



Battery Pack Drop Tester



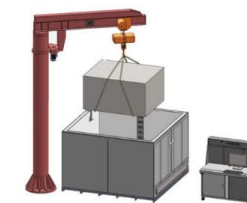
Battery Pack Rotate Test Device



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)



MARUBENI

Marubeni
Techno-Systems

- Utilizing 30+ years of experience designing, developing and manufacturing Lib solutions

8Energy

FES
Fine Eco Solution



NEC

JSW
THE JAPAN STEEL WORKS, LTD.



NS SLITTER
NISHI MURA

由利ロール株式会社
technical innovation

Noritake

HIRANO TECSEED

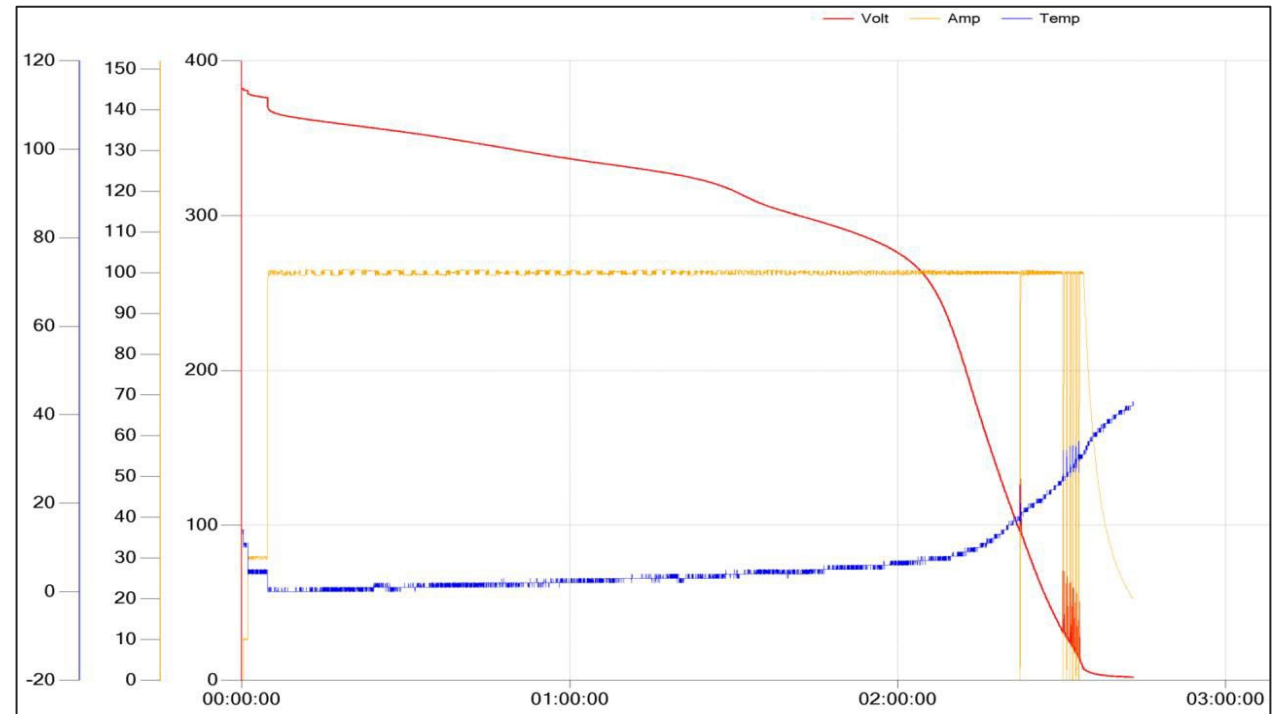
Techno Smart
Changing Life with Coating Technology

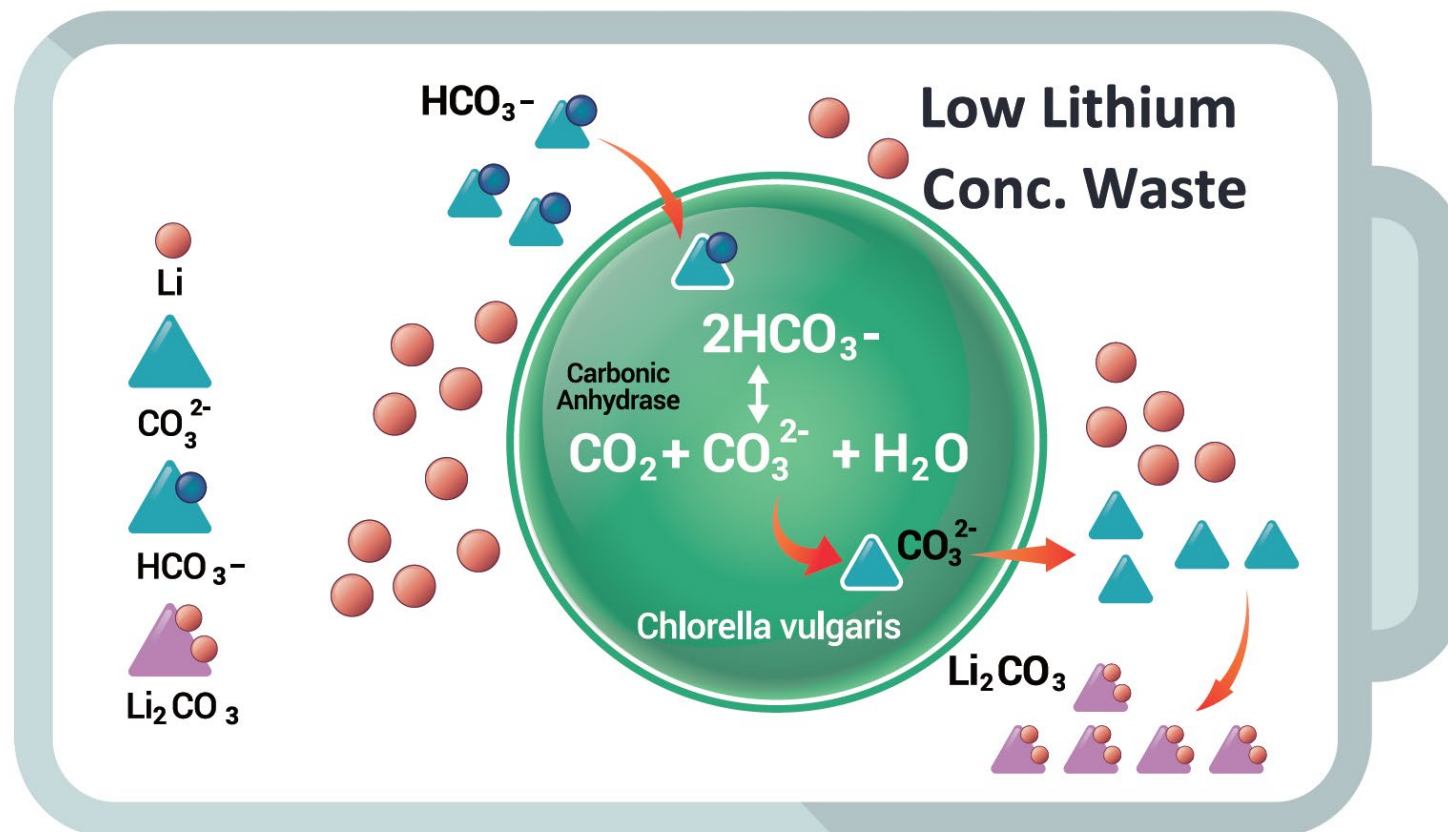
TOYOBO



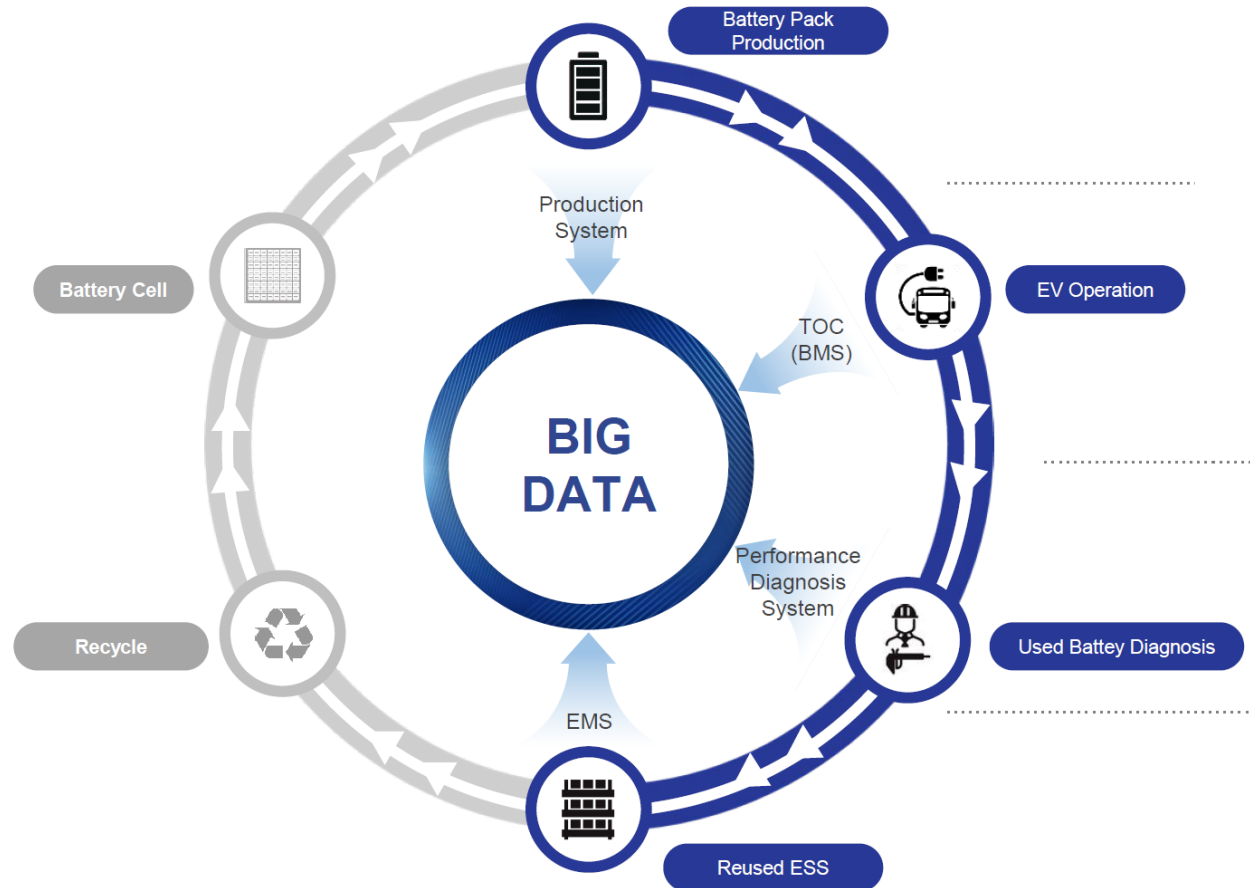


- The Maroo Rapid-Discharger/Terminator



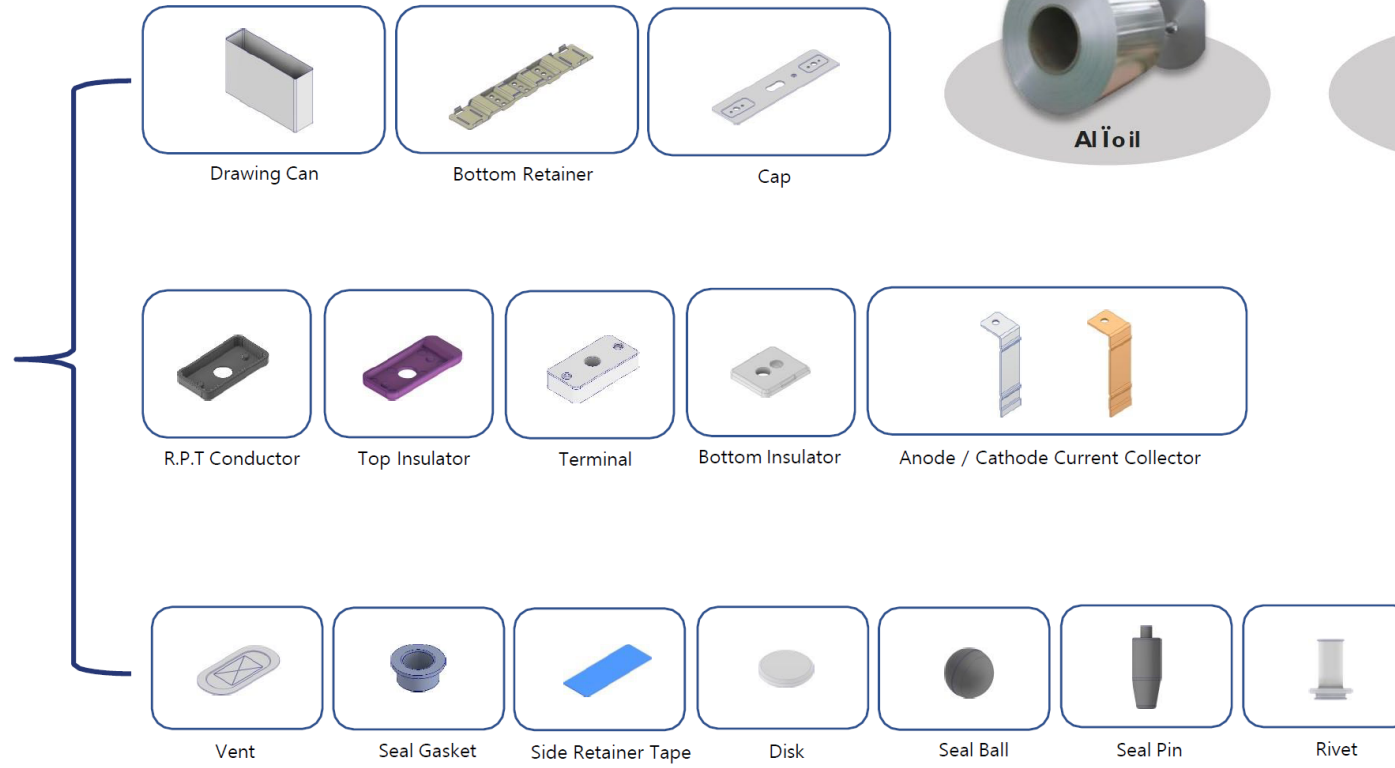
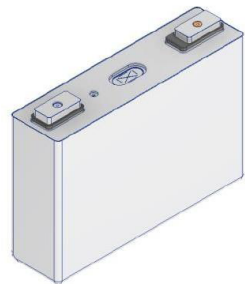


Biomining





BLUE CAP CAN



DUCKYANG AMERICA



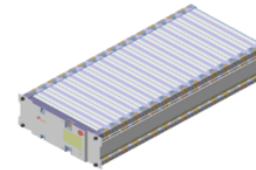
Duckyang America INC
Duckyang America

PLANT
VIEW

OUTSIDE



KEY PRODUCT



ESS Module Assy
Assembly Design



Rack components
[13 Tray / 1 BPU]

INVESTMENT
&
SIZE

INVESTMENT	LOCATION	DISTANCE(mi)
Duckyang Ind. 100%	Braselton, GA	23 (SKBA)

LAND

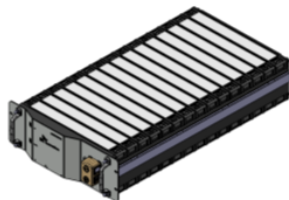
20.59 Acre
(25,206 평)

PLANT

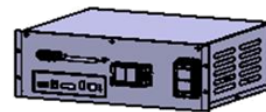
BUILDING	ACCESSORY
170,456 ft ²	52,162 ft ²

Energy Storage System

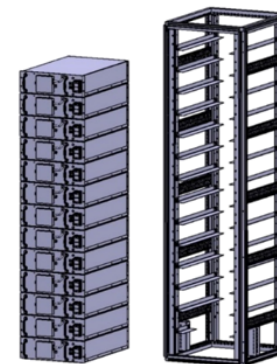
Yeosu Power Plant etc. [2013 ~]



Tray Assy [4P15S]



Rack Unit BPU



Rack Frame Assy



Rack [13 Tray / 1 BPU]



EV BATT RECYCLING - EST. 2000

EV BATTERY RECYCLING

23⁺
years



25+ facilities
1200+ Employees



4-continents
20+ countries



100+ enterprise
customers



100 million+ devices
per year



Global
standardized
service platform

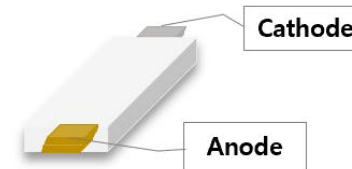


Standard_ Stacking



- High Speed Standard width Z-Stacking machine (Dual Type)
- Size: 3,500L x 3,100W x 2,600H
- Stacking Speed: **0.5sec** / Sheet
- Main Function: Stack Align, Vision Inspection, J/R etc.
- J/R Size : **120 ~ 340mm**

Stacked Cell

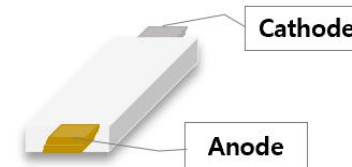


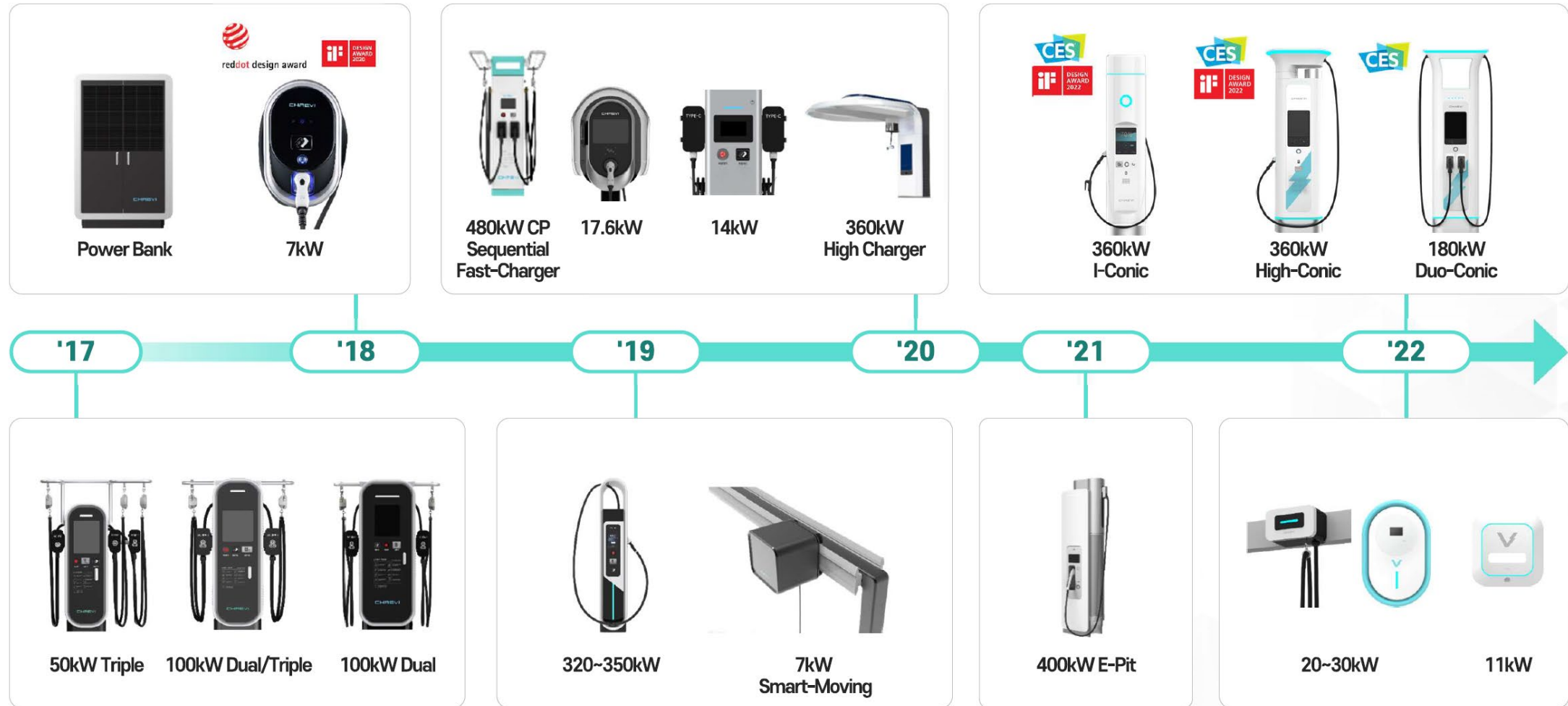
Standard_ Stacking

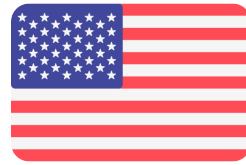
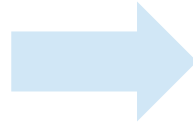
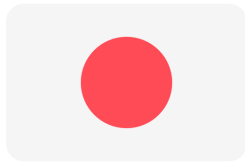


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Stacked Cell







FOREIGN DIRECT INVESTMENT (FDI) ON-SHORING TO THE USA

KTON is partnered and affiliated with the following companies in the USA to assist firms' FDI.



Gov't Incentive,
Corp. Legal, M&A



Engineering, Integration,
Factory Automation



Business
Services



Immigration
Visa

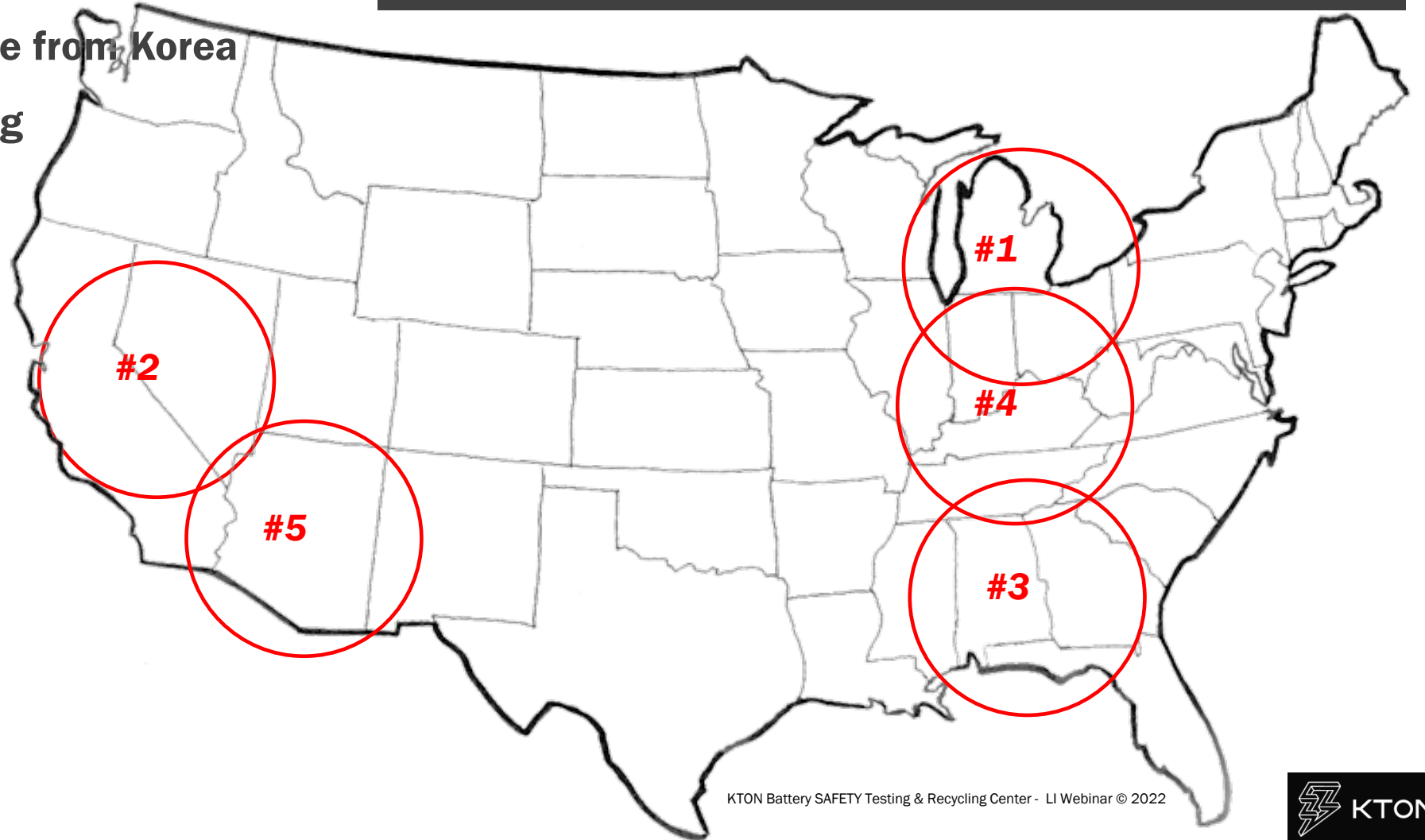


Industry
Network



REGIONAL TEST CENTERS

- Proximity to key industry players
- 25+ years of experience from Korea
- Inc. EV battery recycling



KTON Battery SAFETY Testing & Recycling Center - LI Webinar © 2022



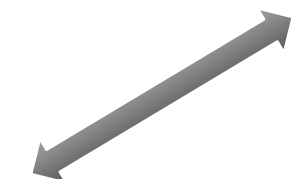


40+ US Delegation to Korea

- March 15 – 17, InterBattery



- OnShoring Technology Committee, NAATBatt
- KBIA (Korean Battery Industry Association)
- The US Embassy (Korea)
- The US DoC
- MoTIE (Ministry of Trade Industry Energy, Korea)
- KIAT (Korean Institute of Advancement of Technology)





THANK YOU



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