



February 2023

**RECYCLING BATTERIES
FOR
A SUSTAINABLE
FUTURE**

**NAATBATT
2023**

*Charging
Ahead*

14TH ANNUAL MEETING & CONFERENCE

February 20th – 23rd, 2023

The Wigwam Resort, Litchfield Park, Arizona



STRICTLY PRIVATE & CONFIDENTIAL

BLUE WHALE MATERIALS

Sustainable solutions to safely recycle hazardous li-ion batteries and supply critical battery materials needed to power the future.

BLACKSAND™ ◦ Collection & Logistics ◦ Testing ◦ Battery Mineral Extraction



VALIDATED BLACKSAND™ TECHNOLOGY

Patent pending technology for BWM's premium Blacksand™ installed and validated at a commercial scale plant in Japan.



Efficient And Safe Separation Process

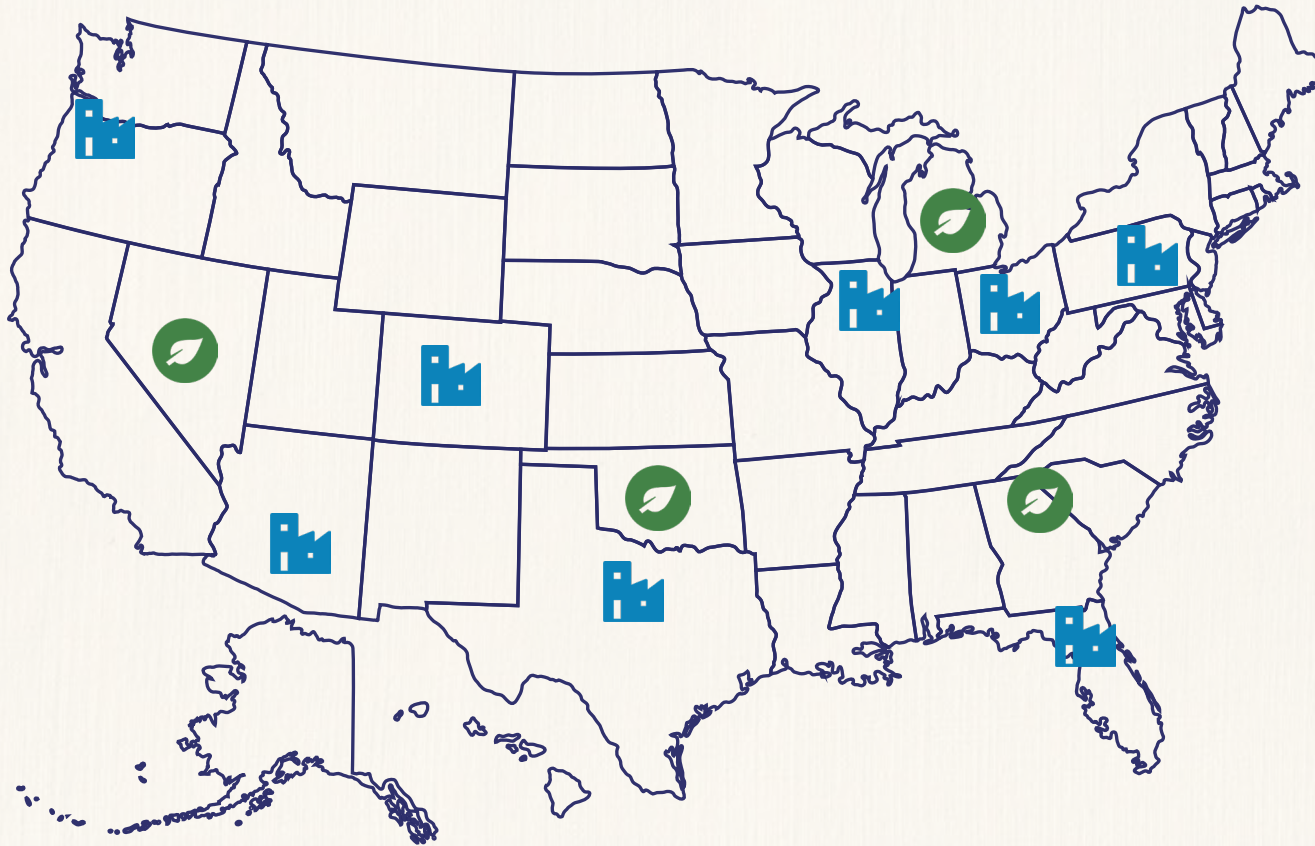
- High Metal Concentration – 98% Recovery Rate
- Customized for hydrometallurgical refining
 - ✓ Dry Product (less than 5% moisture content)
 - ✓ Organics & Impurities Removed
 - ✓ Less than 1% Al and Cu

First US Plant operational Q2 2024 with processing capacity of +14,000MT/year



COLLECTION AND LOGISTICS SOLUTION

Establishing Nationwide Collection & Logistics Infrastructure



BLACKSAND™ FACTORIES (2023-2027)

- Combined capacity of approximately 55K MT/year



COLLECTION CENTERS (2023-2026)

- Sort
- Dismantle
- Test & Recondition
- Combined capacity of approximately 30K MT/year

HYDROMETALLURGICAL PLANT (2027)

- TBD



SUSTAINABLE SOLUTIONS FOR THE LI-ION BATTERY CLOSED LOOP ECOSYSTEM

- Blue Whale Materials adds value throughout the supply ecosystem
- Decarbonization mission to provide transparent and quantifiable ESG solutions
- Innovating to expand services



FIRST FUNDING COMMITMENT



Ara Partners

Committed up to **\$80MM**
to establish facilities in the US & Europe

KEY SECTORS



ENERGY
EFFICIENT &
GREEN FUELS



INDUSTRIAL &
MANUFACTURING



CHEMICALS &
MATERIALS



FOOD &
AGRICULTURE

- AP is at the forefront of decarbonization investing with the aim of accelerating the transition to a cleaner global economy
- AP is a global private equity firm decarbonizing the building blocks of the economy in immediate and tangible ways





THANK YOU



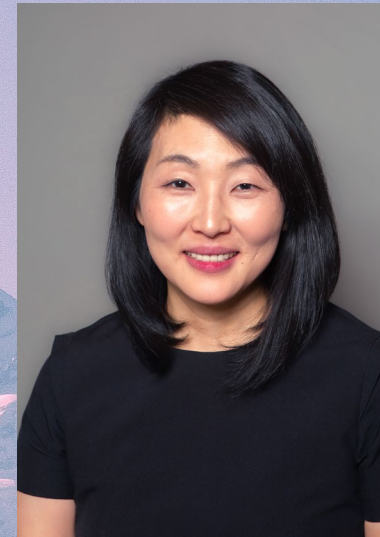
Robert Kang, CEO



David Fauvre, CSO



Cory Spaugh, CFO



**Christina Chilcote,
Director of Development**

