



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

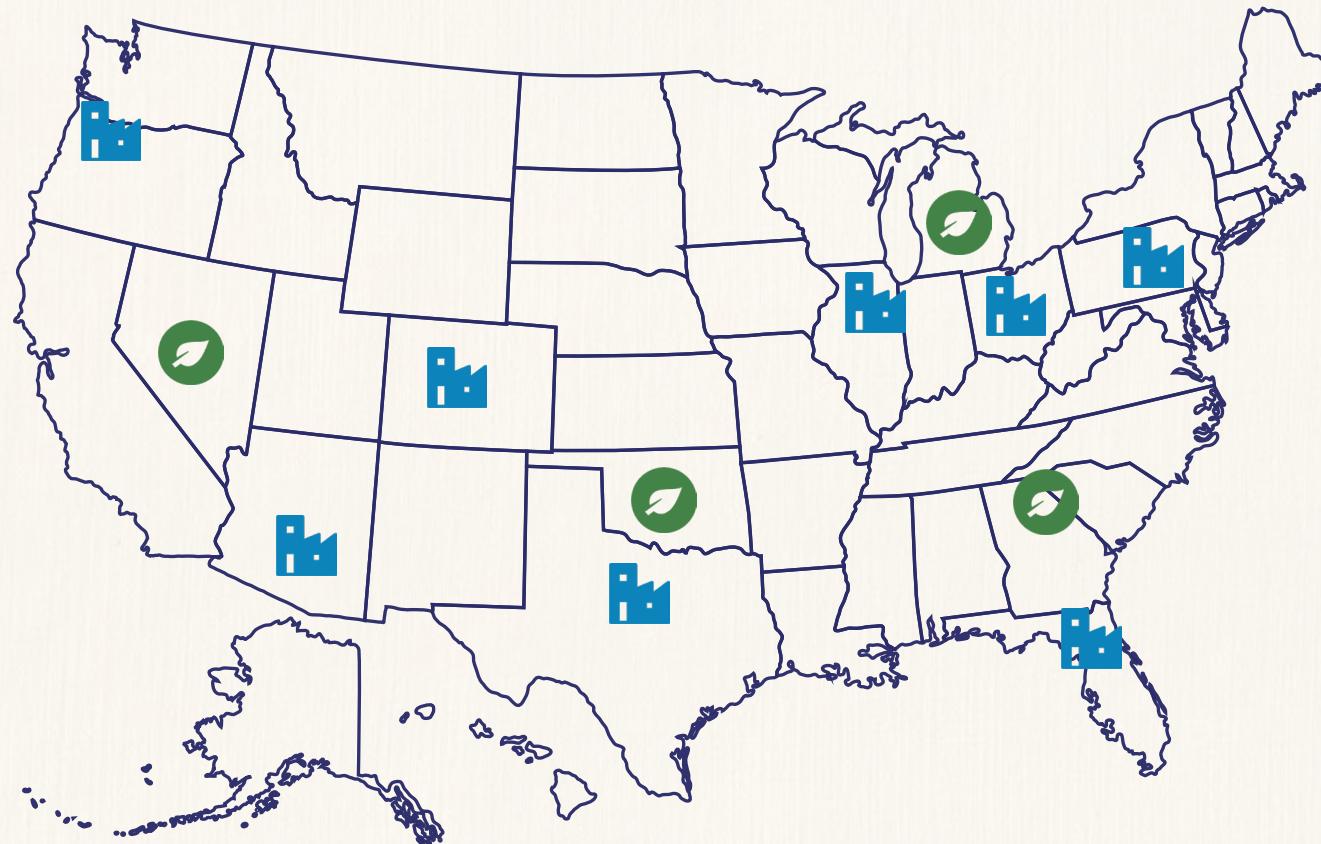
- High Metal Concentration – 98% Recovery Rate
- Customized for hydrometallurgical refining
 - ✓ Dry Product (less than 5% moisture content)
 - ✓ Organics & Impurities Removed
 - ✓ Less than 1% Al and Cu

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



BLUE WHALE MATERIALS

THANK YOU



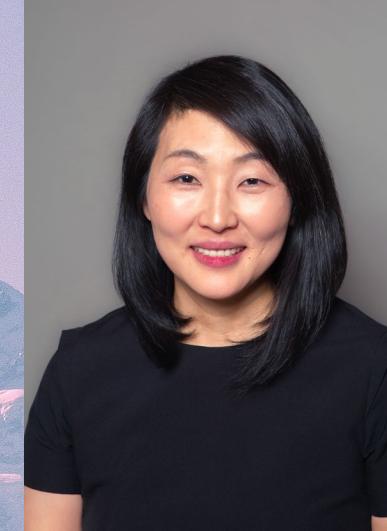
Robert Kang, CEO



David Fauvre, CSO



Cory Spaugh, CFO



Christina Chilcote,
Director of Development

