



# 2023 NAATBatt Annual Conference Aquatech Member Update



# Your Trusted Partner for High-Purity EV Battery Metal Production

Aquatech is the global leader in producing high-quality lithium products for EV batteries and recycling. Our end-to-end solutions ensure efficient and reliable results for your business, from testing to final output. We guarantee the highest-purity EV battery metal production.



Over  
**2,000**  
installations in  
60 countries

Founded in  
solely focused on  
water treatment

**1981**

**Cutting-Edge**  
Laboratory, Piloting,  
and R&D Capabilities

Over **200**  
Engineers

**Offices in:**  
North America  
The Middle East  
Europe  
India  
China





# OUR COMMITMENT TO RESEARCH & DEVELOPMENT

Our commitment to R&D has led to our early engagement & emerging leadership in key ESG-centered industries.



**Biofuels**



**Green & Blue  
Hydrogen**



**EV Batteries**



**Carbon Capture  
& Sequestration**

Aquatech has positioned itself as a technological partner to emerging industries focused on addressing climate change.

Our technical capabilities position us well to solve complex issues and support our customers through the project lifecycle.

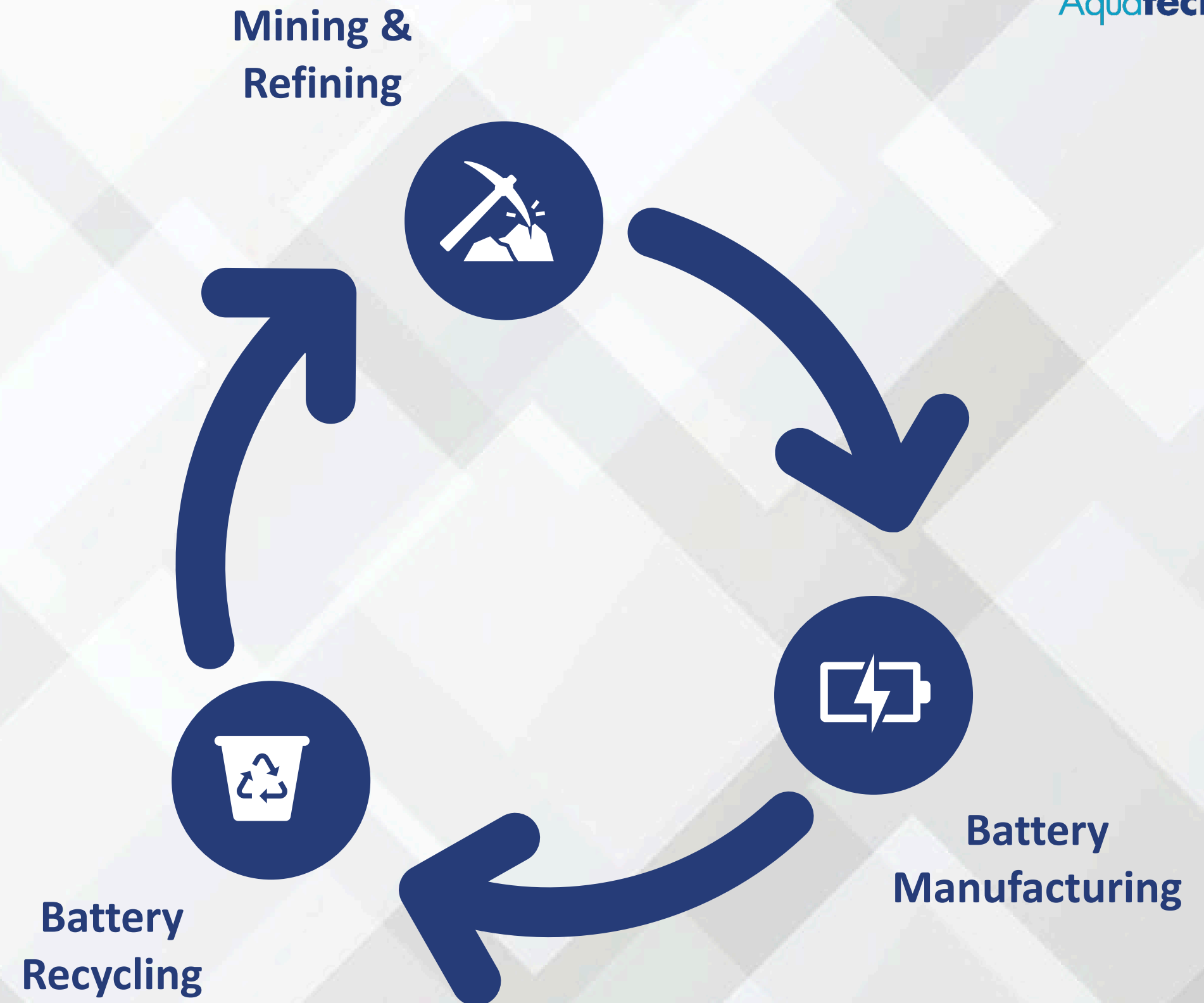
# CIRCULAR ECONOMY

## Product crystallization

- ❖ Lithium Salts
- ❖ Nickel Sulfate
- ❖ Cobalt Sulfate
- ❖ Manganese Sulfate

## Refining & Purification Technologies

- ❖ UF-NF-RO Membranes
- ❖ Physical – Chemical Treatment
- ❖ Ion Exchange
- ❖ Brine Concentration





# PROCESSING BATTERY GRADE LITHIUM



Salar



Clay



Brine



Spodumene

## Complete lithium processing capabilities:

- ❖ **Battery-Grade:** lithium carbonate (>99.9% purity), lithium hydroxide monohydrate
- ❖ **Lithium Salts:** lithium chloride, lithium sulfate, lithium bromide, lithium phosphate
- ❖ **Resource Recovery:** boric acid, potassium chloride, potassium sulfate, magnesium sulfate, sodium sulfate, sodium chloride

## END-TO-END SOLUTIONS

- ❖ Process Development
- ❖ Pilot Testing
- ❖ Process Engineering
- ❖ Detailed Engineering
- ❖ Full Solution Supply
- ❖ Commissioning & Start-up



# APPLIED DEVELOPMENT & TESTING

📍 Hartland, Wisconsin

## ❖ Process Development

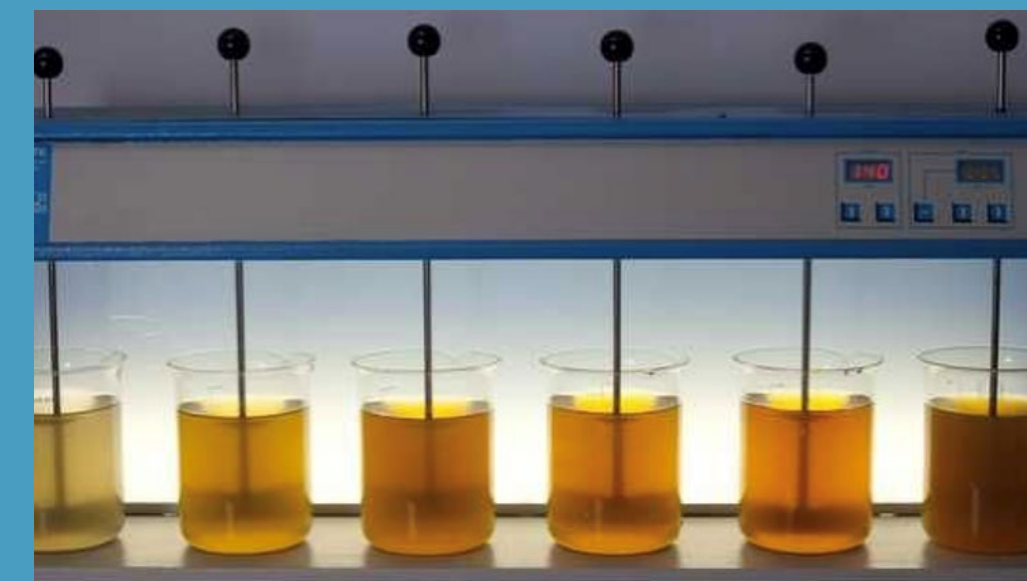
- Bench-Top Testing
- Process Simulation

## ❖ Process Demonstration

- Pilot Testing
- Product Samples for Market

## ❖ Product Characterization

- Elemental Analysis
- Microscopic Imaging
- Property Determination

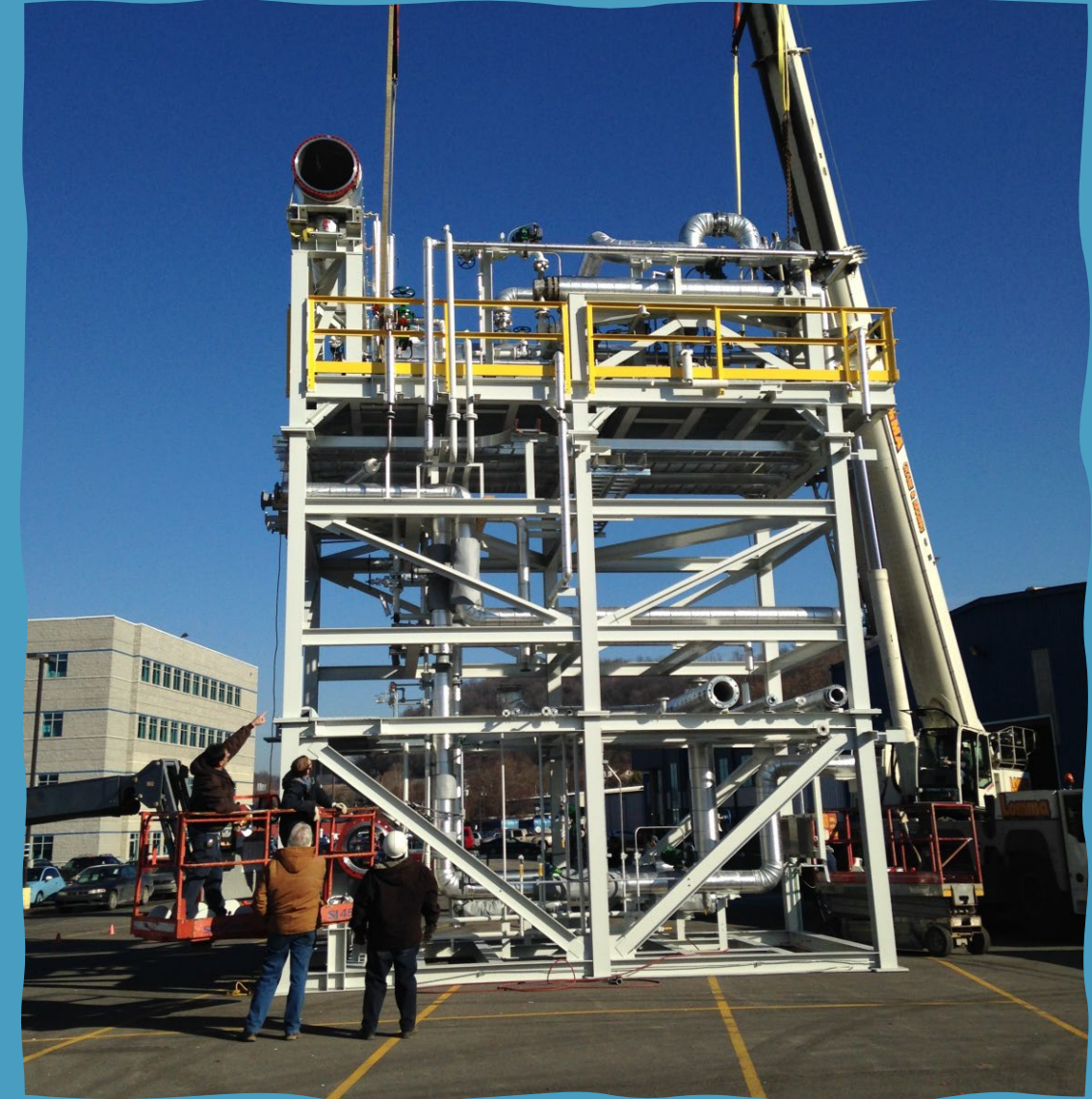




# MODULARIZATION ASSEMBLY SHOP

📍 Canonsburg, Pennsylvania

- ❖ 100,000 ft<sup>2</sup> manufacturing facility
- ❖ Engineering & fabrication
- ❖ Module fitting & final assembly





# AFTERMARKET SERVICES

- Water Treatment Audits & Plant Optimization
- Operations & Maintenance
- Build, Own, Operate, Transfer (BOOT) & Leasing
- Short-Term Rentals & Leases
- Digital & Monitoring Tools
- Performance Chemicals & Spare Parts





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