

# LEADING A REVOLUTION

IN CLEAN METALS & BATTERY RECYCLING

NASDAQ: AQMS

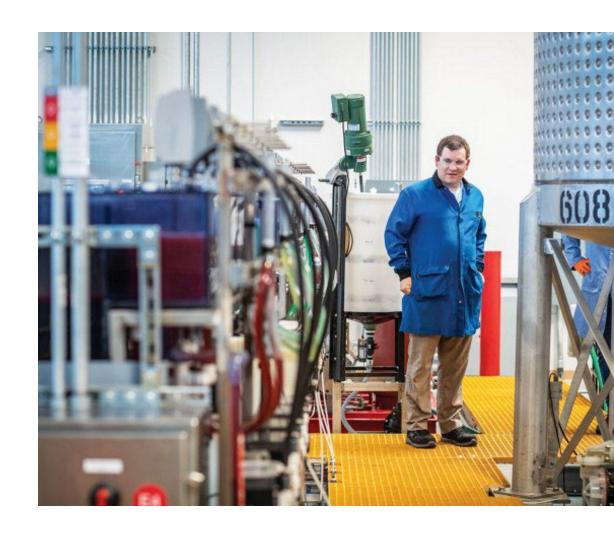
**June 2025** 



## Our Goal For LiB Recycling: Compete with China on Cost

### Key Cost and Time-to-Market Challenges

- Chemical consumption
- Waste streams
- Permitting
- Worker safety



# Our Goal For LiB Recycling: Compete with China on Cost

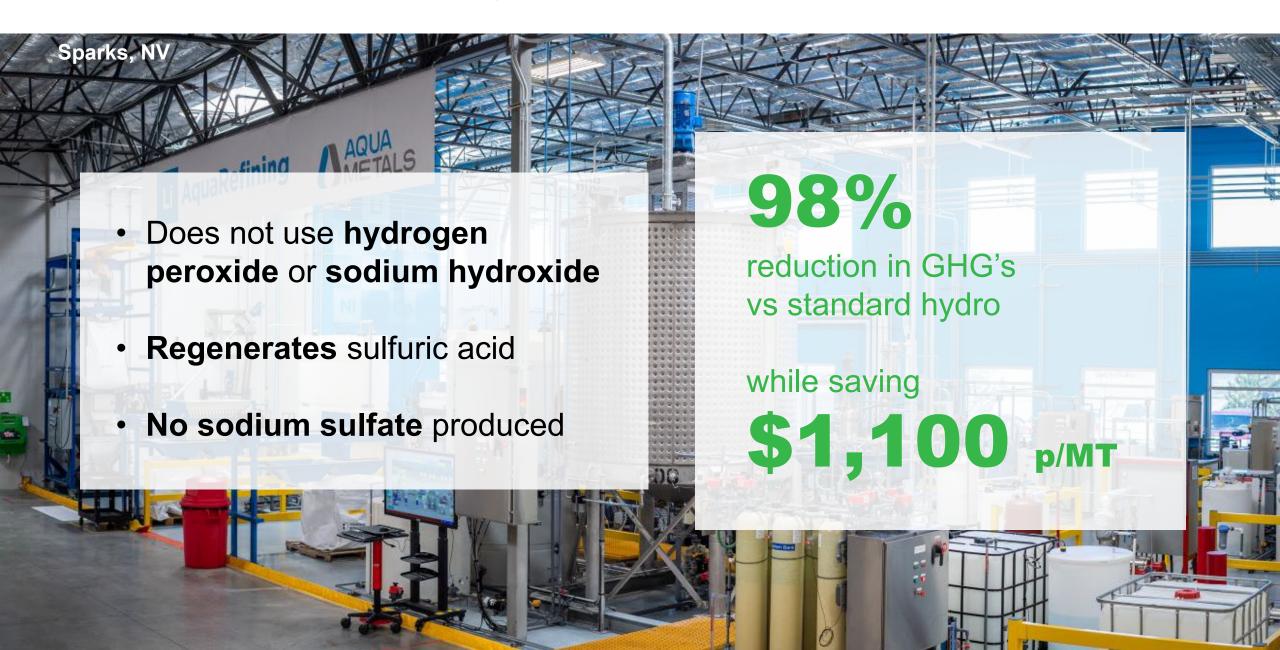
#### **Standard Hydro Too Costly To Compete With China**

- Consumables (Acid, Peroxide, Sodium Hydroxide) & associated waste streams make "standard" hydro flowsheets too costly to compete with China
- China has cheaper labor, chemicals, equipment, lax environmental regulations on sodium sulfate disposal, and lax workplace standards





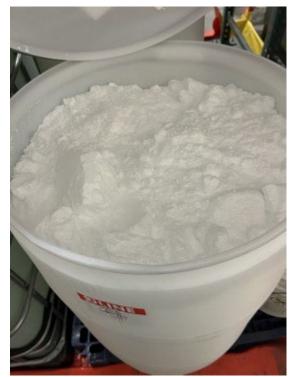




Cost	Hydro NA cost	AquaRefining	hydro China cost
Sodium Hydroxide	78%	0%	41%
Labor	34%	30%	14%
Peroxide	33%	0%	14%
Waste	27%	1%	5%
Maintenance	15%	15%	7%
Acid	14%	0%	10%
Power	8%	36%	8%
Other consumables	0%	22%	0%
Total	209%	105%	100%

Operating costs normalized to estimated total Chinese production costs based on Aqua's internal estimates for 50K MT/Y facility and May 2025 chemical market price data

### **AquaRefining Innovations – Diverse Product Suite**



Battery-grade Lithium Carbonate



NMC Cake w/ low Al, Fe, Zn







w/ optional separation systems:

- Nickel cathodes
- Cobalt rounds
- Nickel hydroxide, carbonate or salts

# **Empowering Our Partners Through Innovation**

#### Enabling a Circular Supply Chain

Aqua Metals partners with OEMs to recycle scrap and spent batteries back into the domestic supply

#### Flexible Technology Offering

Open to licensing full or partial systems to strengthen partner operations

#### Cost-Competitive with China

Operational efficiencies have brought costs in line with Chinese recyclers

#### Capital Is the Bottleneck

Innovation is ready—affordable capital is now the critical need

#### Call to Action

Public-private partnerships are essential to build a resilient U.S. critical minerals infrastructure



#### TAX INCENTIVE FOR BLACK MASS

Payables on Ni & Co in Asia are 74% Currently no recyclers refining black mass in the U.S.

#### Advantages:

- Keep Critical Minerals in the U.S.
- Prevent export of black mass to China & Korea by making domestic refining financially viable.
- ✓ Level the Playing Field Against Foreign Subsidies
- Offset Asia's inflated payables (74%+ of metal value) driven by industrial policy, not market forces.
- Secure Strategic Supply Chain Leadership
- Reduce dependency on foreign refining (China currently controls 89% of global refining capacity).
- ✓ Lower Input Costs for U.S. Recyclers
- Enable recyclers to offer competitive prices without operating at a loss.
- Accelerate Private Investment in Recycling Infrastructure

Strengthen Nevada's growing battery recycling hub and attract more capital into U.S. facilities.

### **Thank You For Listening**



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