Quino Energy: Practical, Affordable Grid Storage

Opportunity: Storage is necessary for grid decarbonization through renewables

Solution: Quino Energy’s redox flow batteries

What we do: Quino is scaling up aqueous redox flow batteries made from abundant coal/wood tar that will beat Li-ion in $/kWh for 5-12 hour storage durations.

Features

Low Cost. Made from abundant coal/wood tar in a simple patented zero-waste process. Low maintenance and easy recycling.

Ultralong Lifetime. Decadal lifetime enabled by patented low degradation molecules and in-situ capacity recovery process.

Unmatched Safety. True zero fire risk: water-based, no hydrogen production, no lithium, no organic solvents, no volatiles.

Company and Project Status

- Lab-scale systems demonstrated, characterized, and published
- Awarded $4.6M Department of Energy grant for scaleup
- Technology license with strategic partner signed Feb 2022
- Product demo with strategic partner expected in Q2 2022
- $1.2M of $2.0M currently raised for seed round (Feb 2022)

Questions for C2M

- What is the best beachhead market: residential, commercial, utility?
- Which users actually care about fire safety and will they pay more?
- How much is safety worth: installation, insurance, intangibles?