From Used to Useful: Higher Wire's Lithium Battery ReNew Collective

Opportunity

Upstream: Beachhead 79,000 forklift batteries in California, followed by entire U.S. followed by LiFePO4 EVs.

Downstream: Beachheads in Navajo off-grid applications followed by telecom resilient power supplies, with future expansion into other markets.

Innovation

Combining existing battery database and State of Health (SOH) algorithm with a reverse logistics system and incentives for used battery supplies for raw material supply. Field data collected and correlated with cell analysis to maximize reliability and safety.

Benefits

>95% reduction in emissions compared to a new battery

One Higher Wire battery = 200 kg of CO_2e savings

Partnerships with Purpose Focused 501(c)(3**),** Diné College, and White Mountain Economic Development for workforce development in local communities.

Plan

1. Establish reverse logistics processes with initial focus on CA forklifts (WAIRE Program)
2. Grow internal cell database
3. Pilot remote monitoring of ESS
4. Expand to other LiFePO4 and energy storage as a service

Reduced CO2e, maximized LiFePO4 battery life, and financial and life-enhancing benefits to up and downstream markets.

higherwire
Energy Solutions, Elevated

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