



Introducing

## ZAF Energy Systems Company Update

“Changing the Way We Power the World”™

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# Success of an Energy Storage Solution

## The Technology Dilemma

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Does it work?





## Success of an Energy Storage Solution

The Market Trial

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Is there a value proposition?

# Success of an Energy Storage Solution

## Adoption Challenge

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Will someone buy it?



# Success of an Energy Storage Solution

## The Final Hurdle – Manufacturability

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Can it be economically made?

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# ZAF Energy Systems

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- **Disruption Opportunity** - ZAF's nickel zinc ("NiZn") technology targets the lead-acid battery market but has applications in certain li-ion applications
- **Performance** - ZAF's NiZn battery dramatically outperforms lead-acid batteries in every metric including power output, size, weight, environmental friendliness, recyclability, and cycle count
- **Market Acceptance** - Early adoption from trucking, equipment OEM, and stationary storage operators plus testing by top battery manufacturers indicates market readiness
- **Framework** - ZAF's Research and Development facility is located in Bozeman, Montana and is expanding production capacity in its facility in Joplin, Missouri
- **Proprietary Technology** - The company has a robust intellectual property and patent portfolio
- **Proven Team** – Company moving from development to low-rate to full-scale commercialization with expertise of battery manufacturing professionals with decades of experience







# ZAF Nickel-Zinc Batteries

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[www.zafsys.com](http://www.zafsys.com)

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