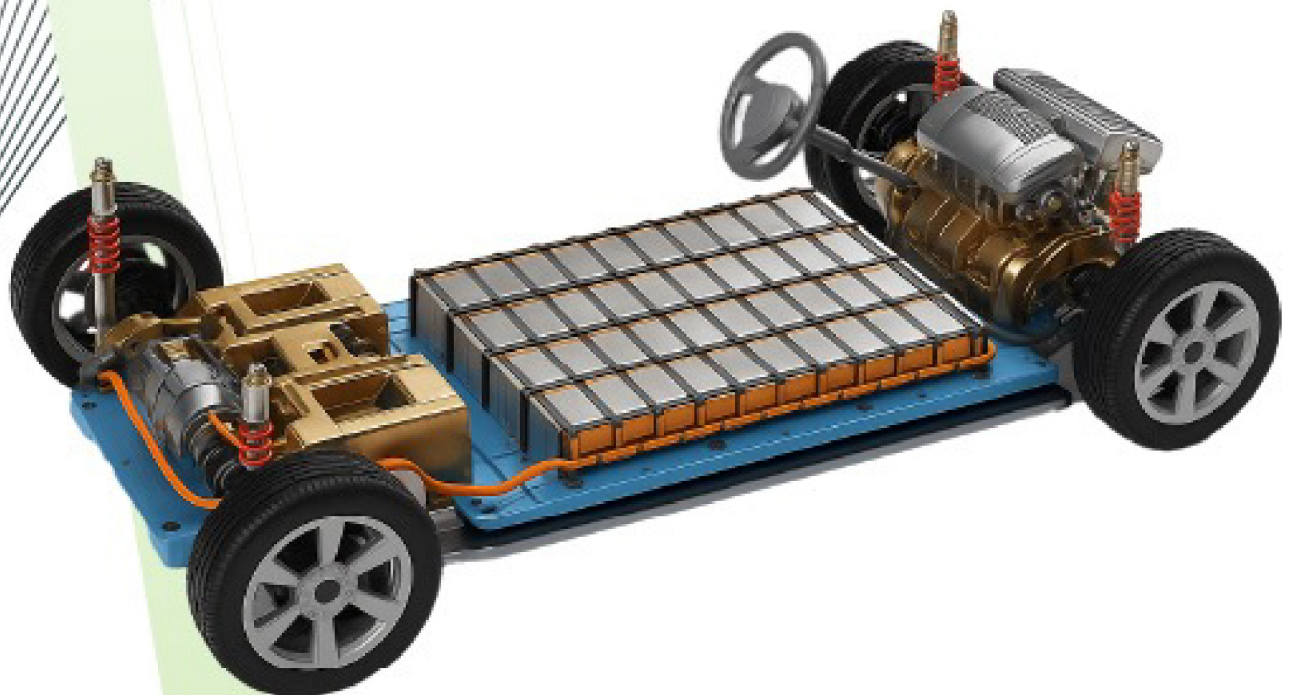


EV UPDATE MEDIA

MAGAZINE JUNE – JUL 2025 ISSUE



INDUSTRY INSIGHTS ON :

1. Future-ready battery systems must stay flexible to evolving chemistries and grid demands.
2. Localized energy storage solutions are key to stabilizing renewable-heavy power systems.
3. Strong leadership is essential to scale innovation and accelerate the energy transition.
4. AI and predictive analytics are transforming fleet management and driving EV adoption.
5. End-to-end innovation—from R&D to recycling—is shaping the next phase of battery sustainability.

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CEO,
Cygni Energy



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Dr. Ashok Chavda
Independent Director,
ARCTERN ENERGY

CONVERSATIONS



1. What inspired the founding or transformation of ARICTERN Energy, and what core problem is the company solving?

ARICTERN Energy was established to tackle one of the most pressing challenges in India's renewable energy ecosystem: reliable and scalable energy storage. The founders were driven by the gaps in energy access, grid reliability, and the lack of localized battery solutions.

By focusing on battery technology, ARICTERN addresses the core issue of intermittent renewable generation with safe, long-lasting, and cost-effective storage systems tailored for Indian conditions and particularly Grid Stability & optimum utilisation of Renewable Energy.

2. How would you describe your company's mission and how it aligns with the current global energy transition?

Our mission is to enable a cleaner, smarter, and more resilient energy future by manufacturing advanced battery systems in India. This aligns seamlessly with global energy goals focused on electrification, decentralization, and decarbonization.

ARICTERN Energy is committed to being a key enabler in the shift toward net-zero by offering high-performance, locally manufactured battery solutions.

At ARICTERN Energy, our mission is to support India's ambitious renewable energy targets by manufacturing advanced, high-performance battery systems domestically. As India aims to achieve 500 GW of non-fossil fuel capacity by 2030 and reach net-zero emissions by 2070, energy storage plays a critical role in enabling grid stability, round-the-clock clean power, and energy access. Our solutions are designed to complement the nation's rapid transition to clean energy - making us a key contributor to both national and global sustainability goals.

3. What have been the biggest challenges you've faced in scaling ARICTERN Energy,

and how did you overcome them?

Scaling a battery manufacturing operation in India came with hurdles like raw material procurement, certification delays, clarity of testing, available of testing facility & its high cost compare to overseas and a shortage of skilled workforce. We overcame these by securing long-term supplier partnerships, establishing a robust quality assurance framework, and creating internal training programs to build our talent pool from within.

4. How do you see your company evolving over the next five years?

We envision ARICTERN becoming a full-stack energy storage solutions provider. This includes not only manufacturing advanced battery packs but also offering integrated software for energy monitoring, predictive analytics, and remote diagnostics.

We also plan to expand into battery leasing and second-life battery applications, contributing to the circular economy.

5. Can you share a recent strategic decision that significantly impacted the direction of the company?

A pivotal decision was to pivot from generic ESS solutions to purpose-built battery modules for India's rooftop and small-scale solar segment. This shift increased our product-market fit, shortened our sales cycle, and positioned us as a niche leader in distributed energy storage.

6. What advice would you give to entrepreneurs looking to enter the clean energy

or tech-driven utility space?

Understand the problem deeply before developing a product. Focus on compliance,

reliability, and real-world usability from day one. The clean energy sector is capital intensive and regulation-heavy, so build for resilience and be ready to iterate quickly.