



**Dear Friends,**

I am excited to share several noteworthy accomplishments and updates from Cygni Energy:

Cygni has successfully launched India's first certification-ready Sodium-ion battery pack for two-wheelers, featuring impressive specifications. This innovative battery pack offers a range of 40 to 50 km per charge and can be fast-charged in just 30 minutes. It supports over 3000 cycles with fast charging and maintains only a 15% capacity loss under extreme temperatures (-20°C to +55°C).

We have also contributed an insightful article on "ESG Integration and Battery Storage in Indian Manufacturing," published in OEM Update Magazine. We believe that the growth of battery storage systems in manufacturing is expected to be driven by three important factors - BRSR Core (Business Responsibility and Sustainability Reporting) introduced by SEBI, Sustained reduction in Lithium-ion storage prices and Economic benefits from rooftop solar and enforcement of local storage capacity to absorb the intermittency.

Additionally, Cygni Energy has been honoured as a TiE50 Award Winner at TiEcon 2024 in Santa Clara, CA, a prestigious recognition for early to mid-stage startups. This accolade highlights the global recognition of newer energy storage technologies.

In the EV Update Media May 2024 issue we have shared our opinion piece on the topics such as Battery Recycling and Reuse, Scalability of Battery Production, Safety Regulations for EV Batteries in India, Competition in the EV Battery Market, Growth Drivers for the Indian EV Battery Market etc.

These achievements reflect our ongoing commitment to innovation and leadership in sustainable energy solutions. I invite you to peruse our latest Cygni Newsletter and share your insights with us. Your support is invaluable, and we wish you continued success in your endeavours.

Thank you,  
**Venkat Rajaraman**  
CEO / Founder  
Cygni Energy Pvt. Ltd.

# Cygni in the News

## Cygni- EV Update Media Interview

### CONVERSATIONS



#### **1) What is your take on battery recycling and reuse for Lithium-ion batteries used in electric vehicles, and how will this impact the overall sustainability of electric vehicles?**

Battery recycling and reuse for lithium-ion batteries is essential for enhancing the sustainability of the EV ecosystem. With the recent amendment to the Battery Waste Management Rules 2023, Extended Producer Responsibility (EPR) for Lithium recycling is made mandatory. Recycling helps recover valuable materials like lithium, cobalt, and nickel, reducing the need for environmentally damaging mining activities and conserving natural resources. Additionally, repurposing batteries for second-life applications, such as stationary energy storage, extends their lifespan and efficiency. These practices lower the overall carbon footprint of battery production, decrease environmental pollution from battery waste, and contribute to a circular economy. By ensuring a steady supply of critical materials and promoting eco-friendly disposal, battery recycling and reuse play a crucial role in making electric vehicles a more sustainable and viable transportation solution.

EV Update Media featured our CEO Mr. Venkat Rajaraman interview in "Apr-May 2024" E-magazine. Mr. Venkat has shared valuable insights on the topics like Battery Recycling and Reuse, Scalability of Battery Production, Safety Regulations for EV Batteries in India, Competition in the EV Battery Market, Growth Drivers for the Indian EV Battery Market etc.

[Read the Full Conversation - Pg No.- 48](#)

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## Cygni- TiE50 Awards Winner | TiEcon 2024



TiE50 is TiE Silicon Valley's premier annual awards program, contested by several early to mid-stage startups worldwide.

We are thrilled to announce that Cygni Energy Private Limited has been named as TiE50 Award Winner at TiEcon 2024, held at the Santa Clara Convention Center, CA, USA. This goes to prove that Sodium Ion is recognized as a future storage technology world over! 🏆

[Details Here](#)

## ESG integration sparks a surge in battery storage in Indian manufacturing



**Venkat Rajaraman**  
Founder/CEO  
Cygni Energy

The manufacturing of battery storage systems is growing, and this aspect is revamping energy management. This will strengthen ESG commitments, decrease costs, and provoke sustainable power sources in India's evolving industrial landscape.

Secondly, with the constant reduction in lithium-ion storage prices (from about \$220 per kWh in 2019 to around \$120 per kWh in 2024), the economics of using battery storage for levelling energy usage are compelling. The prices are predicted to drop below \$100 per kWh immediately. This is due to the ongoing commercialisation



**Gautam Patil**  
Head of Strategy  
Cygni Energy

sectors. Integrating solar photovoltaic (PV) systems with storage provides a

Energy storage systems have been an integral part of most manufacturing

### ESG Integration Sparks a Surge in Battery Storage in Indian Manufacturing

Cygni contributed their valuable insights to an article titled "ESG Integration Sparks a Surge in Battery Storage in Indian Manufacturing" This insightful piece has been published in the May edition of OEM Update Magazine.

This growth of battery storage systems in manufacturing is expected to be driven by three important

factors - BRSR Core (Business Responsibility and Sustainability Reporting) introduced by SEBI, Sustained reduction in Lithium-ion storage prices and Economic benefits from rooftop solar and enforcement of local storage capacity to absorb the intermittency.

[Read the Full Article Here](#)

## EV Reporter- Cygni's Sodium-Ion Battery



Cygni has launched India's first certification ready Sodium-ion 2W battery pack!

- > 40 to 50 km range per charge
- > 30 mins fast charging
- > 3000+ cycles with fast charging
- > 15% capacity loss even in extreme temperatures (-20 'C & +55 'C)

Imagine being able to sweat the same pack 2 to 3 times per day and still getting a 5 year life!

[Read the Full Article Here](#)

## **Clean Energy Summit, organized by USAID's South Asia Regional Energy Partnership (SAREP)**

Cygni's Founder & CEO shared his reflections on The Clean Energy Summit, organized by USAID's South Asia Regional Energy Partnership (SAREP) program and Impact Investors Council (IIC).

He highlights that the event as an excellent avenue for investors and investees to meet, promoting collaboration and driving impactful initiatives in the clean energy sector.

[Know More about the Event](#)

## **Industry News**

### **Electric 2W sales cool off in scorching May at 63,700 units**



A combination of growth-impacting factors played spoilsport with the market performance of the electric two-wheeler industry in May 2024. After six straight months of over 75,000-unit sales and best-ever monthly sales of 137,000 units in FY2024-ending March, May 2024 more or less replicated the poor e-two-wheeler sales of April 2024.

[Read the Full Article Here](#)

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### **India needs a coherent EV charging policy - Govt official**



India needs to urgently evolve a well-thought-out policy for strategically increasing the penetration of EV charging stations in the country, urged Dr Hanif Qureshi, Additional Secretary of the Ministry of Heavy Industries.

[Read the Full Article Here](#)

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## The Little Book of EV Myths



# FairCharge<sup>®</sup>

# The Little Book of EV Myths



**EV batteries don't last?**

**EVs pollute more than ICE cars?**

**Hydrogen will displace EVs?**

**EVs cost more to maintain?**

**and much more...**

The truth about EVs.

- Batteries don't last?
- Tires wear out faster?
- Regularly catch fire?
- Have short range?
- Cost more to maintain?

and many other myths debunked in this little masterpiece of a publication by FairCharge.

[Read Here](#)

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**Book Review: Emerging Battery Technologies to Boost  
the Clean Energy Transition**  
by Stefano Passerini & others



The Materials Research Society Series

Stefano Passerini · Linda Barelli ·  
Manuel Baumann · Jens F. Peters ·  
Marcel Weil *Editors*

# Emerging Battery Technologies to Boost the Clean Energy Transition

Cost, Sustainability, and Performance  
Analysis

MIR | S MATERIALS  
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SOCIETY™

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This "free for download" book provides a totally new perspective on the rapidly developing sector of electrochemical energy storage, putting a spotlight on their sustainability taking into account the latest developments and emerging future technologies. A number of selected, high-level authors from different disciplines discuss the potential contribution of batteries to a cleaner society, the need for new battery concepts, necessary new chemistries and their sustainability.

# Upcoming Activities

## India Energy Storage Week (IESW) 2024



Cygni will be participating in the 10th Edition of India Energy Storage Week (IESW) 2024. This event will take place on July 1st-5th, 2024, at the India International Convention and Expo Centre (IICC) in Dwarka, New Delhi, India. Please visit us to know about our new Sodium Ion battery and other latest technologies that we are working on!

[Subscribe Now](#)

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