



Dear Friends,

I am delighted to share with you that Cygni Energy has been honored as a TiE50 Award Winner at TiEcon 2024, hosted at the prestigious Santa Clara Convention Center, CA, USA. TiE50 is TiE Silicon Valley's premier annual awards program, contested by several early to mid-stage startups worldwide. This remarkable achievement underscores the global recognition of Sodium Ion as a pioneering storage technology of the future!

We have an exciting announcement! At Cygni we've always believed there will be no winner-takes-all battery chemistry. **We're extremely thrilled to launch India's first certification ready Sodium-ion 2W battery pack!**

And share one more fantastic news with all of you. Cygni Energy has earned a well-deserved place among India's elite Solar Tech startups, as highlighted in an exclusive report by @RealtyNXT.

This recognition underscores our collective efforts in driving the renewable energy revolution forward. It speaks volumes about our innovative approach, commitment to sustainability, and dedication to making a meaningful impact in the realm of green technology.

I invite you to peruse our latest Cygni Newsletter and share your insights with us. Your support is invaluable to us, and we wish you continued success in your endeavours.

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

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! 🏆

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Launch India's first certification ready Sodium-ion 2W Battery Pack!



We have an exciting announcement! At Cygni we've always believed there will be no winner-takes-all battery chemistry. **We're extremely thrilled to launch India's first certification ready Sodium-ion 2W battery pack!**

Why Sodium-ion and why now?

- First generation cells are already in commercial production
- Lower carbon emissions than Li-ion based cells

Significantly lower risk of thermal runaway

- Superior performance at extreme temperatures
- Lower cell cost compared to Li-ion

Here's a summary of what you can expect from our 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 and +55 degree 'C)

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

If you are a 2W OEM or a swapping operator interested in validating the pack, please email us- **info@cygni.com** or if you are a drivetrain components manufacturer we would love to collaborate with you to co-develop a Sodium-ion drive train to accelerate adoption!



Commissioning Of Cygni Gigafactory- Battery Manufacturing Facility

Cygni Energy Pvt Ltd, a provider of world-class energy storage solutions, is currently in the last phase of installing its Giga factory. Situated in Maheshwaram, Hyderabad, this state-of-the-art facility is set to revolutionise battery production, boasting an annual capacity of 400,000 battery packs. Anticipated to commence operations by July 2024, it signifies a significant advancement in the industry's landscape.



Alternative Battery Technologies Roadmap 2030+

This "Alternative Battery Technologies – Roadmap 2030+" was developed as part of the accompanying project BEMA II, which is funded by the German Federal Ministry of Education and Research (BMBF) under the "Battery 2020" initiative. Fraunhofer ISI is supporting German battery research with a roadmap and monitoring process, strategic information processing and status seminars for the exchange of information on scientific progress and technology transfer

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EV sales in April are 50% of mega March's 210,000 units

The first month of FY2025 sees electric vehicle industry sales of 112,396 units, down 54% on best-ever monthly sales of 209,276 units in March 2024. Put that down to the trend of slower uptake in April as well as the reduced subsidy for two- and three-wheelers, which account for 94% of industry sales.

[Read Here](#)

Year	January	February	March	April
CY2024	1,44,330	1,21,500	2,09,276	1,12,396
CY2023	1,02,882	1,07,221	1,40,919	1,11,354
% change	41%	32%	49%	1%

Data: Vahan, May 1, 2024

EV SEGMENT-WISE RETAIL SALES SPLIT IN APRIL 2024 & YoY COMPARISON	April '24 (Units)	% share	April '23 (Units)	% difference
Two-wheelers	84,073	36.95%	66,873	-4.27%
Three-wheelers	41,127	36.69%	38,083	7.99%
PVs (EMVs)	6,577	5.85%	5,412	21.52%
Light PVs	390	0.18%	624	-71.10%
Buses	219	0.19%	87	151.72%
Heavy goods vehicles	0	0.00%	46	-100.00%
Light goods vehicles	276	0.24%	221	24.88%
Others	4	0.00%	16	-75.00%



Global EV Outlook 2024

Moving towards increased affordability



International Energy Agency

Global EV Outlook 2024 – Analysis

The report examines key areas of interest such as the deployment of electric vehicles and charging infrastructure, battery demand, investment trends, and related policy developments in major and emerging markets. It also considers what wider EV adoption means for electricity and oil consumption and greenhouse gas emissions.

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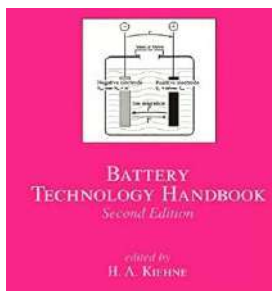


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Book Review: Battery Technology Handbook

by H.A. Kiehne

This practical reference remains the most comprehensive guide to the fundamental theories, techniques, and strategies used for battery operation and design. It includes new and revised chapters focusing on the safety, performance, quality, and enhancement of various batteries and battery systems.

[Read Here](#)



International Earth Day

As the world celebrates International Earth Day on April 22nd, 2024, the focus on sustainable energy solutions has never been more critical. Cygni Energy is in the list of India's top SolarTech startups leading the renewable energy revolution.

In an exclusive report by @RealtyNXT, present a comprehensive list of the top 15 SolarTech startups in India, each playing a pivotal role in revolutionising the renewable energy landscape.

[Read More](#)

Upcoming Activity



EFY Expo Pune 2024

Cygni Energy is set to engage at the EFY Expo Pune 2024, with our CEO, Mr. Venkat Rajaraman, slated to speak at the upcoming session titled "**Technology and Innovation in R&D in Batteries**" delving into avant-garde advancements and research propelling the automotive sector. The event is slated for May 16th-18th at the Auto Cluster Exhibition Center, Pune.



MHI's ACC Battery Consultation

IESA in association with MHI organizing the first stakeholder consultation on 7th May in New Delhi. The discussion will focus on EV Battery manufacturing, Battery components and recycling. Cygni Energy will participate in this meeting.

Cygni Ugadi Celebration



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