



CYGNI DREAMZ

NEWSLETTER - SEP 2023

Dear Team,

I am writing to extend my heartfelt gratitude and congratulations on our significant achievement for the IATF (International Automotive Task Force) certification for Cygni. The **IATF Certification** is a testament to our collective efforts to continuously improve our processes, ensure the highest quality standards, and meet the rigorous requirements of the automotive industry. It reaffirms our commitment to excellence and positions us as a trusted and reliable partner in the automotive sector. I want to personally acknowledge and thank you all for the significant contributions.

I had the privilege of contributing an **Authored Article** titled "Critical minerals and cell chemistry technology evolution roadmap" EV Reporter October Month Magazine on minerals critical to a clean energy future, their global distribution, the status of the current value chain and its geopolitical implications.

In September, we embraced the spirit of giving and charity through our **CSR activity**. We visited the Jeevodaya Home for Children, an experience that touched our hearts deeply. It reinforced the idea that by sharing and giving, we create abundance not only for ourselves but also for those around us. Our small acts of kindness can make a world of difference in someone's life.

As we move forward, let's continue to innovate, collaborate, and work towards a more sustainable and brighter future. Your dedication and hard work are the driving force behind our success, and I am proud to have you all as part of our Cygni family.

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

Cygni Energy - IATF Certified Company

Proud to share that Cygni has achieved the coveted IATF 16949 (International Automotive Task Force) Certification. 🏆🏆

This accomplishment reflects our commitment to excellence and quality in everything we do. IATF certification demonstrates that we have met rigorous standards and have the processes in place to consistently deliver high-quality products and services to our customers.

Let's continue to build on this achievement and maintain our dedication to quality, innovation, and customer satisfaction. Together, we can reach even greater heights in the future.





Article-Critical minerals and cell chemistry technology evolution roadmap

EV Reporter recently hosted an insightful webinar focussed on Battery materials and the Lithium-ion battery value chain. Mr. Venkat Rajaraman, CEO of Cygni Energy, made an impactful presentation on minerals critical to a clean energy future, their global distribution, the status of the current value chain and its geopolitical implications.

[Read Full Article Here](#)



The Battery Show India

Cygni Energy recently participated in The Battery Show India, in Greater Noida from October 4th to 6th, 2023. We participated in the panel discussion on "Lithium Ion Battery Manufacturing." This event served as an exceptional opportunity to present cutting-edge battery solutions to a diverse international audience and industry experts. Attendees had the chance to engage with influential decision-makers, establish valuable partnerships, and enhance their visibility within the rapidly expanding battery market.

[Read Full Article Here](#)



EV India Expo - EV Future of Transport

Cygni was participated in the EV India Expo, 14, 15 September 2023, Greater Noida, UP. Mr. Venkat Rajaraman, CEO of Cygni Energy Private Limited, made an impactful insights on "EV Charging Network - Future of Energy Management in the EV Charging Ecosystem." This event promises to be a significant platform for sharing insights and knowledge in the rapidly evolving electric vehicle sector.



Production of ACC batteries likely to start by Jan 2024

India is set to begin production of Advanced Chemistry Cell (ACC) batteries in India by January 2024, according to Union Minister Sh. Mahindra Nath Pandey. The government approved a scheme for manufacturing ACC batteries in May 2021, with an estimated cost of Rs 18,100 crore.

[Read Here](#)



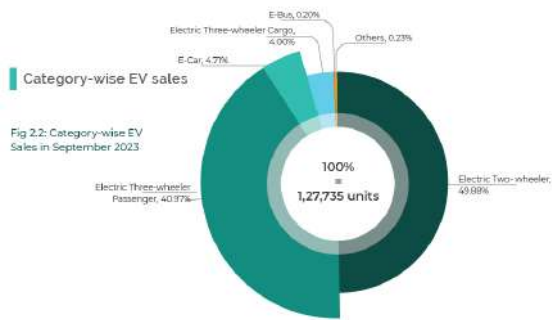
BloombergNEF's 2023 Electric Vehicle Outlook - Report Summary

Technology changes are at the core of this transition as battery prices have fallen dramatically over the last decade. Battery prices rose for the first time in 2022 but innovation in the area is not slowing down, with advances in areas like solid-state batteries, next-generation cathode and anode chemistries, and sodium-ion technology all reaching commercialization in the next few years.

Batteries and electric vehicles have taken center stage in new discussions on industrial policy, with countries now competing to attract investment and build new clusters of high-value manufacturing. Meanwhile, regulators and grid

operators are looking at ways to ensure EVs benefit the power system.

[Click Here for Report Summary](#)



Source: Vahan Dashboard, JMR Research
Note: Data figures represent EVs registered across 1,352 OTOs in 34 states/UTs. Others include adapted vehicles, articulated vehicles, goods carrier, and private service vehicle.

EV Sales

EV registrations in September 2023 were again driven by electric two-wheelers and passenger-type electric three-wheelers, which together accounted for 90.85% of total registrations in the month

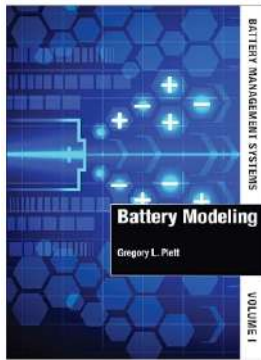
[Full Report](#)

cygni

Annual Day Celebration

8TH OCTOBER 2023

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Book Review: Battery Modeling by Gregory L. Plett

This comprehensive resource derives physics-based micro-scale model equations, then continuum-scale model equations, and finally reduced-order model equations. This book describes the commonly used equivalent-circuit type battery model and develops equations for superior physics-based models of lithium-ion cells at different length scales.

This resource also presents a breakthrough technology called the "discrete-time realization algorithm" that automatically converts physics-based models into high-fidelity approximate reduced-order models.

Cygni @ CSR Activity

September, is known as the month of Giving (Charity), this beautiful truth resonated deeply with us: the more we share, the more abundance we create. We are wholeheartedly aligned with the principle of 'We rise by lifting others.' It was a significant moment the day we visited "Jeevodaya Home for Children". It was incredibly heartwarming and absolutely poignant to see all the young children.



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Cygni Energy Private Limited,
B 58-60, Assisted Private Industrial Estate,
Balanagar, Hyderabad, Telangana - 500037

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