



**Dear Friends,**

As the automotive industry advances towards Connected, Autonomous, Shared, and Electric mobility, it is vital for us to adopt strategies that enhance productivity, efficiency, and overall performance. The rapid evolution of battery technologies over recent years has significantly transformed the landscape of energy storage and utilization. Additionally, advancements in battery management systems (BMS) are optimizing performance, extending battery life, and ensuring safer operation. These technological strides not only support the growing demand for sustainable energy solutions but also open up new possibilities for innovation and efficiency in battery applications.

We are now transitioning to our new Giga-factory plant in Maheswaram, Hyderabad. Recognizing these advancements and the burgeoning demand for high-performance batteries, our new lithium battery Giga-factory is poised to seize significant opportunities in the market. This state-of-the-art facility will leverage cutting-edge manufacturing processes and advanced equipment to produce next-generation lithium-ion batteries. By scaling up production capabilities, the Giga-factory aims to meet the rising needs of the EV industry and renewable energy sectors, ensuring a consistent supply of high-quality batteries.

It is crucial for our employees to receive the necessary training and skills development. We are dedicated to providing the resources and support needed for the Cygnians professional growth. We will be organizing training sessions, workshops, and mentorship programs to equip you with the knowledge and tools required to excel in your projects. I encourage active participation in these training initiatives. Seize these learning opportunities and apply your new skills to contribute effectively to our product's success.

Thank you for your unwavering commitment and hard work. I am excited about the opportunities that lie ahead for our company, and I am confident that together we will achieve great success.

Best regards,

**Venkat Rajaraman**

**CEO / Founder**

**Cygni Energy Pvt. Ltd.**

## Cygni in the News

### Cygni @ EV Conference2024



Cygni was participated in the FTCCI hosted EV conference 2024. This conference showcasing the best minds from the Policy , Business leaders, Industry, Start-ups, Finance, Entrepreneurs to understand the opportunities, Challenges and important decisions for fast development in EV charging Infra. and Battery technologies.

This panel discussion on Battery Technologies brought about some important aspects on Battery costs, Battery chemistry evolution, Battery passport, forming partnerships in critical minerals for manufacturing and Recycling of batteries.

## Cygni @ IESW2024



Cygni Energy participated in the India's flagship International conference **India Energy Storage Week #IESW2024** by India Energy Storage Alliance (IESA).



We unveiled our innovative products including Sodium-Ion battery packs for mobility and stationary storage applications. With our dedicated team and cutting-edge technologies, we're paving the way for a more sustainable world!

[Details Here](#)

## IEA's Global EV Outlook 2024 Report

iea 50

Search everything



Reports / Global EV Outlook 2024

# Global EV Outlook 2024

Moving towards increased affordability

[Download pdf](#)

Combining analysis of historical data with projections – now extended to 2035 – 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. The report includes analysis of lessons learned from leading markets, providing information for policy makers and stakeholders on policy frameworks and market systems that support electric vehicle uptake.

[Download Report Here](#)

## Industry News

### BIS introduces new safety standards for EVs in India



Bureau of Indian Standards (BIS) introduces safety guidelines for electric vehicles in India, focusing on powertrain components. New rules, IS 18590: 2024 and IS 18606: 2024, aim to enhance safety in L, M, and N vehicle categories.

IS 18294: 2023 is a standard for Electric Rickshaw/E-Kart — Construction and Functional Safety Requirements. Few important updates include mandated requirement for Pressure Relief Valve, Pack level fuse, Sealed enclosure, Secured battery mounting, SoC and charger indicators etc.

[Read the Full Article Here](#)

## Cygni Gigafactory- Battery Manufacturing Facility



Cygni Energy Pvt Ltd 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 Aug 2024, it signifies a significant advancement in the industry's landscape.

## BEE: Draft revised Guidelines & Standards for Electric Vehicle Charging Infrastructure



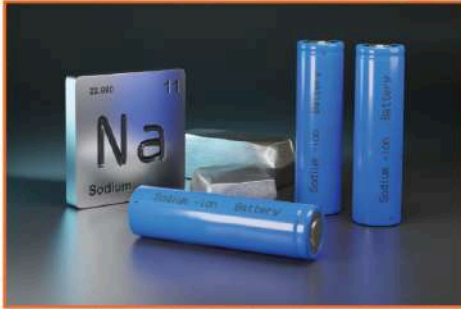
**BUREAU OF ENERGY EFFICIENCY**  
*Government of India, Ministry of Power*

The Bureau of Energy Efficiency has released the draft revised guidelines and standards for Electric Vehicle Charging Infrastructure, which are currently open for stakeholder comments.





## Leading India's Na-ion Adoption



- Low cost
- High cycle life
- 0V Transport
- 20 min charging
- Extremely safe
- No Critical Minerals

### Book Review: Sodium-Ion Batteries: Energy Storage Materials and Technologies

by Yan Yu

Yan Yu

# Sodium-Ion Batteries

Energy Storage Materials and Technologies

An essential resource with coverage of up-to-date research on sodium-ion battery technology. Eminent researcher and materials scientist Yan Yu delivers a comprehensive overview of the state-of-the-art in sodium-ion batteries (SIBs), including their design principles, cathode and anode materials, electrolytes, and binders. The author discusses high-performance rechargeable sodium-ion battery technology in the contexts of energy, power density, and electrochemical stability for commercialisation.

[Read Here](#)

## Upcoming Activities

# World Nature Conservation Day



World Nature Conservation Day is observed on 28 July every year. The main aim of this day is to spread awareness regarding the protection of nature and biodiversity for a healthy environment which is required for prospering humankind.

Subscribe Now

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



If you wish to unsubscribe from our newsletter, click [here](#)