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Greetings from Cygni Energy,

As 2022 is over, we wanted to reach out and thank you for spending another year with us! Cygni Wishing you and your family a safe, healthy, and prosperous new year in 2023! Thanks for all your support throughout the year. **CHEERS TO 2023!!**

We are saying farewell to this year by sharing with you our Company updates, News, Articles, Webinars .

Warm Holiday Greetings
Cygni Energy Pvt Ltd

Cygni to install Gigafactory to produce 4,00,000 battery packs per annum in India

Cygni is setting up a greenfield Gigafactory, with a 1,200 MWh capacity and having the capability to produce about 4,00,000 battery packs a year. This facility will be a state-of-art manufacturing unit.

Cygni Giga-Factory

Cygni Energy raises $12.5 million to set up EV battery manufacturing facility

The funds will be used to set up a new greenfield manufacturing facility in Telangana. The company has recently acquired a land parcel in the state under the state EV policy to set up the facility.

The Greenfield project will have the capability to produce 40,000 battery packs per month, with 1.2 GWh annual capacity, when all the lines are operational.

Read Full Announcement

IET India Mobility Award 2021

Cygni Extremely proud and humbled to receive IET India "The Mobility Award 2021" for contribution towards Indian Engineering and Technology.

India Mobility Award

Winner - Best Innovation Platinum Award

Cygni Energy is declared as the winner of "Best Innovation - Platinum Award" in the Government of Telangana State's Industries Awards 2022.

Telangana State's Industries Awards 2022

Cygni proud to announce one more Indian Patent on paralleling of batteries

3 Technical Patents in the area of EV

- A SEMI-AUTOMATED SYSTEM AND METHOD WITH A RESERVE MODE FOR ELECTRICAL VEHICLES - ***PUBLISHED***
- A SYSTEM AND A METHOD OF CONNECTING MULTIPLE MODULES IN A SERIES CONFIGURATION - ***GRANTED***
- AN AUTOMATED SYSTEM AND METHOD FOR IDENTIFYING FAULT IN AN LOW VOLTAGE DIRECT CURRENT (LVDC) SYSTEM – ***GRANTED***
- ***2 MORE PATENTS UNDER FILING***

Latest BIS 17855:2022 Standard On Lithium-Ion EV Batteries | ET Now

Mr.Venkat Rajaraman - CEO at Cygni Energy Private Limited discusses how the Battery Swapping Policy can largely benefit from cutting-edge technology.

Check out the video

The energy storage market to be around 80 gigawatt-hours by 2030

In this opinion piece, the following topics are discussed:

- Current market trends influencing the need for battery manufacturing in India?
- Prospects for increasing domestic production and localising energy storage systems in India?
- Government's drive for solar energy and energy storage, how will the demand change in the coming years?

Read Here

Battery Swapping Policy – Dawn of a new era!

The draft policy mandates that swappable batteries be enabled with Smart Battery Management System (BMS). Battery monitoring and data capture are essential for swappable batteries, and this policy ensures that the batteries need to be fitted with Smart BMS.

Read Here

Additional safety requirements for AIS-156 Standard by Venkat Rajaraman from Cygni Energy Private Limited

The Ministry of Road Transport and Highways (MoRTH) constituted a committee in May 2022 to formulate the safety requirements for traction batteries. It was constituted mainly in the wake of fire incidents in electric vehicles, and this had experts from several renowned institutes, including ARCI, IISc, IIT etc. Based on the committee's recommendation, MoRTH had proposed amendments to the AIS 156 & AIS 138 Rev 3 standard, which comes into effect in a phase-wise manner from 01-Dec-2022.

Read Here

Next Billion- India's Electric Vehicle revolution

India's electric vehicle revolution is here. We explore six trends that are likely to shape the sector's ongoing growth in the country.

India's transportation sector is very unique. Unlike most Western countries, Indian drivers predominantly ride on two-wheeled and three-wheeled vehicles like motorcycles, mopeds and auto rickshaws. With over 80% of the vehicles on Indian roads consisting of two-wheelers and three-wheelers.

Read Here

First Principles Thinking- Boiling Problems Down To Their Most Fundamental Truths

This article is on First Principles Thinking and how it is useful for organisations, especially for startups. This is based on our CEO's own personal experience as well as looking at how other organisations have done it.

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Why Indian electric vehicles require batteries made in India

India is on the verge of a major transformation and at the heart of it is the automobile industry, with electric vehicles (EVs) swiftly becoming the country's favourite mode of transportation. EVs encompass a wide range of vehicles, including two-wheelers, three-wheelers (e-rickshaws and L5 loaders), four-wheelers, and electric buses.

Read Here

To Swap or not to Swap – Battery Swapping for Electric Vehicles

Battery swapping is a method in which a depleted battery is replaced with a fully charged one. Battery swapping is a potential solution to range anxiety, reduced vehicle cost and efficient charging arrangement. This also addresses the recurring CapEx challenge of buying new battery packs and the economic viability of operating Electric Vehicles.

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