

"Batteries : The Reliable Frontier Powering the Future of Energy Storage"

DAY 1

4th October 2023

Hall Name "GreenVolt"

Time in Hrs

Session #

Topic and session details

1030-1045 Hrs

Breaking Barriers @Fire Side Chat by BloombergNEF by Mr.Shantanu Jaiswal Head of India Research, BloombergNEF

1045-1145

Session 1

" Powered by BloombergNEF"

Driving India's Road Transport Electrification: Challenges, Opportunities and the Road Ahead

EVs are making steady progress in India supported by favorable policies, increasing consumer interest, and rising fuel costs. Investor interest is also rising with India-headquartered electric mobility firms receiving \$1.2 billion in funding in 2022, nearly double the amount in 2021. What are the key near-term challenges that could threaten this momentum? With the FAME scheme set to phase out in a few months, how will the policy gap impact India's pace of electrification? Further, as countries across the globe are trying to reconfigure supply chains in their favor, can India position itself as a globally competitive manufacturing hub?

Moderator: Ms. Komal Kareer, Analyst, BloombergNEF

Speakers : (details coming soon)

1150-1310	Session 2	<p style="text-align: center;">Paper Presentations</p> <p style="text-align: center;">Ever changing world of Batteries</p> <p style="text-align: center;">Time 1150-1205</p> <p>Mr. Klaus Hamacher, Director New Business Development, BST GmbH</p> <p style="text-align: center;">Topic: Inline Quality Assurance - Proactive Defect Prevention Strategy in the Cell Production</p> <p style="text-align: center;">Time 1205-1220</p> <p>Dr. Pirmin Ulmann, Co-Founder & CEO, b-science.net</p> <p>Topic: Viability of Solid & Semi-solid Electrolytes in EV and Other Applications</p> <p style="text-align: center;">Time: 1220-1235</p> <p>Mr. Ferdinand ferstl, Associate Partner, P3 automotive GmbH</p> <p>Topic: Developments in Battery Recycling and the Battery Material Supply Chain</p> <p style="text-align: center;">Time:1235-1250</p> <p>Mr. Aloysius Daniel Gandhi, Head of PASS and Head of ZMCC, Carl Zeiss India (Bangalore) Pvt. Ltd.</p> <p>Topic: Zeiss Solutions for Advanced Battery Characterization and Qualification</p> <p style="text-align: center;">Time: 1250-1305</p> <p>Mr. Prasanna Srinivasan, Global Market & BD Manager, Parker Hannifin</p> <p>Topic: Encapsulant Foams for Thermal Runaway Mitigation, Light-Weighting, and Mechanical Dampening</p>
<p>1310-1400</p> <p>Networking Lunch</p>		

	1415-1600	Session 3	<p>Paper Presentations</p> <p>Ever changing world of Batteries Time 1415-1430 Mr. Topic: Time 1430-1445 Dr. Hannes Schmäser , CEO of Division - Clean Technology Systems, Dürr Systems AG Topic: Driving Sustainability in Lithium-Ion Battery Electrode Production. Time: 1445-1500 Mr. Nickil Shah, Energy Innovation Centre Topic: Endurance of single-crystalline Ni-rich cathodes in industrially prepared pouch cells Time: 1500-1515 Mr. Herve BEUFFE, CEO, TIAMAT Topic: Sodium-ion battery solutions for high power and moderate energy density applications Time : 1515-1530 Mr. Abhishek Murali, Senior Analyst, Rystad Energy Topic: Battery Storage - Understanding the market potential and its role in the new global energy system</p>
	1530-1600		Networking Tea break
	1600-1700	Session 4	<p>"Session powered by Bridge to India Pvt.Ltd" <u>India storage market – ready for take-off:</u> Large-scale deployment of intermittent renewable power requires storage solutions to address imbalances between supply and demand. Additionally, demand for dispatchable renewable power from DISCOMs and corporates has increased focus on a nascent storage market in the country. Recent government initiatives, like PLI and introduction of new market mechanisms, as well as corporate deals point to an impending boom in the storage sector. Moderator: Ms. Neha Makol, Manager, Consulting, Bridge To India (Speaker details coming soon)</p>

Day 2	5th October 2023		
	1030-1130	Session 5	<p>Session Powered by NHEV <u>India becoming a Battery Manufacturer from being a Market earlier.</u> Ease of Doing Business in the Indian battery segment has opened room for innovations and advancements. Indian players have picked up their trajectory to enter into manufacturing with Battery Production Linked Incentives (PLI), Advance Chemistry Cell (ACC) with various technologies to meet global and Asia Pacific market demands.</p> <p>The global market is driven by the increasing demand for lithium-ion batteries in various end users, such as portable electronics, electric vehicles, military, aerospace, and energy storage systems. The market size, value, and CAGR vary depending on the data's source, year, and region, but generally show a positive and high trend. The market is also segmented by different types of lithium-ion batteries, such as cobalt oxide, nickel cobalt manganese oxide, and others with different characteristics and applications. The largest regional segment of the market is Asia Pacific led by China followed by Europe. Now, the same is being envisioned by India. Session Moderator: Mr. Abhijeet Sinha, National Program Director - Ease of Doing Business, Project Director - NHEV, DIISHA Drone Pilot, President- CPOs of India Speakers: (Details coming soon)</p>
	1200-1300	Session 6	<p>Paper Presentations Ever changing world of Batteries Time: 1200-1215 Name: Tom Van Bellinghen, VP OEM Value Chain & Marketing, Umicore Rechargeable Battery Materials Topic: Closing the loop in India at Gigafactory scale Time: 1230-1245 Name: Mr. Thomas Grimm, ales Division Manager Energy, Electronics & Hygiene Converting, Erhardt + Leimer GmbH Topic: (Details Coming Soon)</p>

	1310-1400		Networking Lunch
	1400-1700	Session 8	<p>Half a day seminar by Federation of Electric Vehicle Association (FEVA), Barriers in EV Industry and Possible Solutions <i>LAMP LIGHTING followed by:</i> Presentations by : Dr. S.K.SAROJ, Chairman Federation of Electric Vehicle Association , BTech , MBA, PHD Mr. Vinod Bhatt, Ex, Honda Cars Mr. Atul Kapoor, Technical Expert on BLDC Motors, batteries & EV chargers Mr. Praveen Sood, Expert on Electrical Vehicle Prof Rajeev Kapoor, HOD , Delhi Technical University Dr. R.K.Bharti, MSME Joint Director, Government of India</p>
	1530-1600		Networking Tea Break
	1600-1710		<p>Mr. Tapas chattergii, Expert on Waste management Mr. Saurabh Dalela , Director ICAT Manesar Gurugram Dr. M. Parida, Director CRRI Government of India Vote of Thanks By Dr. Rajeev Mishra (President FEVA) and Distribution of Certificate to Speakers.</p>
Day 3	6th October		
	Time in Hrs	Session #	Topic and session details
	1030- 1130	Session 9	<p>Paper Presentations <i>Ever changing world of Batteries</i></p>

1145- 1250	Session 10	<p>" Powered by CEEW"</p> <p><u>Scaling up midstream battery manufacturing in India:</u></p> <p>India is aiming to scale up battery cell and battery module capacity in India through various policy incentives and 100+ GWh of battery cell manufacturing is expected to be set up in the next 5 years. However, the midstream manufacturing of cathode, anode separator etc is highly concentrated globally and technologically complex to indigenise. This session will deliberate on the steps that the industry, government and academia can take in the short to medium term.</p> <p>Moderator: Mr. Rishabh Jain, Senior Programme Lead, CEEW</p> <p>Speakers: (Details coming soon)</p>
1310-1400		Networking Lunch
1410-1510	Session 11	<p>Paper Presentations</p> <p>Ever changing world of Batteries</p>
1515-1615	Session 12	<p>"Powered by JMKresearch"</p> <p><u>Li-ion Battery Manufacturing in India- Opportunities and Challenges</u></p> <p>Discussion points</p> <ul style="list-style-type: none"> •LIB Manufacturing trends in India •New opportunities in Cell Manufacturing •Battery chemistry- NMC Vs LFP •Sourcing of raw material •Impact of PLI scheme •Battery Safety Issues and norms •Opportunity in lithium-ion battery Recycling •Key challenges faced by manufacturers <p><i>Moderator: Ms. Jyoti Gulia, Founder- JMK Research & Analytics</i></p> <p><i>(Speaker details coming soon)</i></p>