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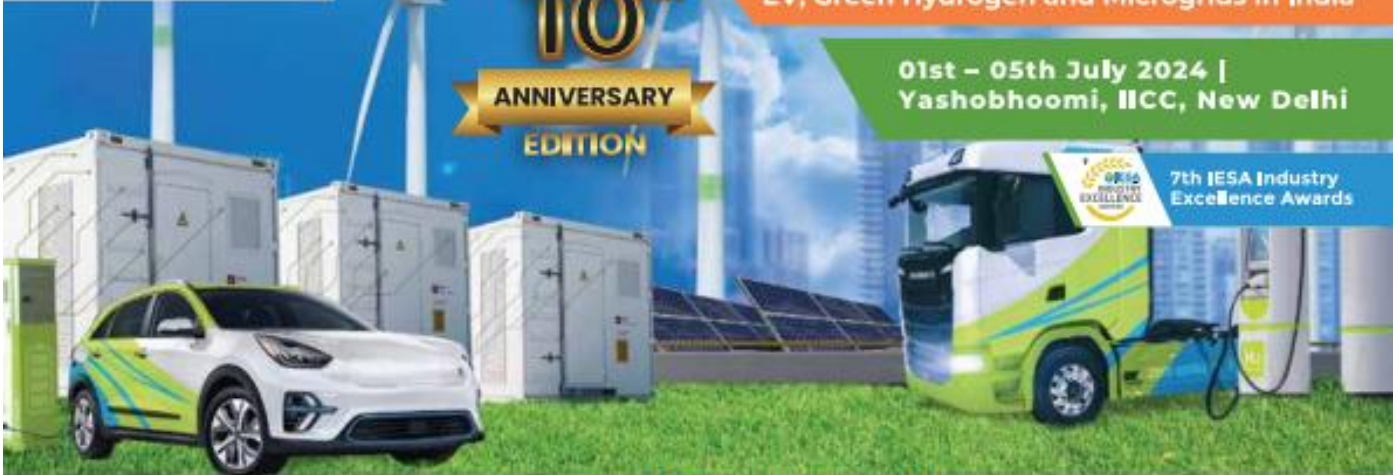
INDIA ENERGY STORAGE WEEK 2024

Conference and Exhibition on Energy Storage, EV, Green Hydrogen and Microgrids in India

10th
ANNIVERSARY
EDITION

01st – 05th July 2024 |
Yashobhoomi, IICC, New Delhi

7th IESA Industry
Excellence Awards



EXHIBITION (1ST-2ND JULY 2024)

EV & EV Infra Expo

Manufacturing &
Supply Chain Pavilion

Green Hydrogen Expo

Start-Up Pavilion

Recycling Pavilion

Stationary Storage Expo

Innovation & Research
Pavilion

Indigenous Battery
Cell Showcase

CONFERENCE (1ST-4TH JULY 2024)



> 01st July
e-Mobility



> 02nd July
Manufacturing &
Supply chain



> 03rd July
Stationary
Energy Storage



> 04th July
Green Hydrogen



> 05th July
Tech Tour

India EV Infra Forum

India Recycling & Reuse Forum

India LDES Forum

IESW 2024 Program Structure

10th edition of the **International Conference & Expo on Energy Storage, Electric Mobility & Green Hydrogen**

1-5 July 2024, IICC, New Delhi

For any queries email us at event@indiaesa.info

IESW 2024 Program Structure

1 st July (Monday)			
Main Conference	Skill Development Track	Parallel Sessions	Expo
India EV Day Conference (10:00 – 18:00 HRS IST) <i>(For Registered Delegates)</i>	Future Energy Learning Centre (FELC) (10:30 – 13:00 HRS IST) <i>(Open for all)</i>	Buyer-Seller Program (14:00 – 16:00 HRS) <i>(Limited Admission)</i>	IESW Exhibition (10:00 – 18:00 HRS IST) <i>(Open for all)</i>
	IESA Career Fair (14:00 – 16:00 HRS) <i>(Limited Admission)</i>		
India EV Infra Forum (15:00 – 18:00 HRS IST) <i>(For Registered Delegates)</i>	Skill Development Roundtable (16:00 – 17:30 HRS) <i>(Limited Admission)</i>	CXO Roundtable (17:00 – 18:30 HRS) <i>(Invitation only)</i>	
<ul style="list-style-type: none"> • IESA - Industry Excellence Awards & Gala Diner (18:30 HRS IST onwards) • I4C-IESA Energy Hackathon Awards Ceremony (19:00 HRS IST onwards) • IESA-Earth Day Awards Ceremony (19:00 HRS IST onwards) <i>(For Registered Delegates)</i>			

2 nd July (Tuesday)			
Main Conference	Parallel Sessions	IESW Start-Up Day	Expo
		<i>(Limited Participation)</i>	
India Battery Manufacturing & Supply Chain Conference (10:00 – 18:00 HRS IST) (For Registered Delegates)	Country Roundtable * (14:30-15:30 HRS IST) <i>(Limited Admission)</i>	New Energy Company Showcase (Start-Up Pitch Session) (10:00- 13:00 HRS IST)	IESW Exhibition (10:00 – 18:00 HRS IST) <i>(Open for all)</i>
	Safety Roundtable (16:00-17:00 HRS IST) <i>(Limited Admission)</i>	Founders Roundtable (14:30 -16:00 HRS IST)	
India Recycling & Reuse Forum (15:00 – 18:00 HRS IST) (For Registered Delegates)	US-India Energy Storage seminar <i>(As pat of Us-India Energy storage Taskforce, ESTF)</i> , 17:00 – 19:00 HRS IST <i>(Limited Admission)</i>	Tech Ignition Session (16:00-18:00 HRS IST)	
		Investment Talk (17:00-18:30 HRS IST)	
IESA Start-up Founders Networking Diner (19:00 HRS IST onwards) <i>(Limited Participation)</i>			

IESW 2024 Program Structure

3 rd July (Wednesday)		
Main Conference	Parallel Sessions	Parallel Sessions
India Stationary Energy Storage Day Conference (10:00 – 18:00 HRS IST) (For Registered Delegates)	State Roundtable on Energy Storage (11:00 – 12:30 HRS IST) <i>(Limited Admission)</i>	1st World Advanced Battery Conference (W-ABC), (10:00 – 14:00 HRS IST) (For Registered Delegates)
	LDES Roundtable (17:00 – 18:30 HRS IST) <i>(Limited Admission)</i>	
India LDES (Long Duration Energy Storage) Forum (15:00 – 16:40 HRS IST) (For Registered Delegates)	India LDES Forum Dinner and Happy Hours (18:30 HRS IST onwards) <i>(Limited Admission)</i>	Women in Energy Roundtable (16:30 – 18:00 HRS IST) <i>(Limited Admission)</i>
<ul style="list-style-type: none"> • Women in Energy Leadership Talk & Fireside Chat • Women in Energy Felicitation • Women in Energy Networking Diner <i>(Limited Admission)</i>		

4 th July (Thursday)	
Main Conference	Parallel Sessions
India Green Hydrogen Day Conference (10:00 – 18:00 HRS IST)	
	Green Hydrogen Roundtable (14:00 – 15:30 HRS IST)

5 th July (Friday)
Tec Tour 1: Focused on Energy Storage Projects
Tech Tour 2: Focused on Manufacturing & Recycling
Tech Tour 3: Focused on Green Hydrogen

India EV Day (1st July 2024) Conference Program

Time (HRs IST)	Session	Topic
09:00 - 10:00	Registration	
10:00 - 11:15	Inauguration Session	India's roadmap for vehicle electrification <ul style="list-style-type: none"> • Key Central and State government policies • Current Status of EV manufacturing and future potential • Ways to increase the EV adoption.
11:15 - 11:30	Networking Tea and Expo Visit	
11:30 - 11:45	Market Session	E2W- Driving India's EV growth story
11:45 - 12:00	Market Session	E4W- More product options will drive consumer adoption
12:00 - 12:15	Market session	Electric Bus transportation – India is already in the top 10 in the world
12:15 - 12:30	Market session	Our next focus should be on Electric Trucks, heavy-duty vehicles, MHE, Farm vehicles, and construction vehicles.
12:30 - 12:45	Market session	Hybrid Vehicle- Key to India's clean mobility ambition
12:45 - 13:00	Tech Session	EV Testing, Standards, Safety, Certification
13:00 - 14:00	Networking Lunch and Expo Visit	
14:00 - 14:15	Market session	Electric Fleet - Changing the landscape of shared mobility in India
14:15 - 14:30	Tech Session	Electric Pod and Urban Air Mobility – The future is here
14:30 - 14:45	Tech Session	EV Powertrain and EV Components Manufacturing – Opportunity for a decade
14:45 - 15:00	Financing Session	EV Financing – tech-enabled financing by Banks and NBFCs with support from Multinational funding agencies & banks
15:00 - 15:15	Market session	Charging Infra deployment – Let's understand the key challenges and focus on O&M, higher usage, and aggregation of EV Infrastructure
15:15 - 15:30	Policy Session	Battery Swapping – Let's address the roadblocks to higher the adoptions
15:30 - 15:45	Tech Session	Software solutions to enable a better electric Mobility ecosystem
15:45 - 16:00	Special Session	Electric Cycle – Connecting the end users
16:00 - 16:30	Networking Tea and Expo Visit	
16:30 - 17:30	Plenary Session	Panel Discussion on the Way forward to accelerate Electric Mobility R&D, Manufacturing, and safe adoption in India. <ul style="list-style-type: none"> • Export-Import opportunities • Global Partnerships and tech transfer • Innovation and R&D in India
17:30 - 17:45	Special Session	Global Electric Mobility Market Overview
17:45 - 18:00	Day Summary and Vote of Thanks	

India Battery Day (2nd July 2024) Conference Program

focused on Manufacturing, Supply Chain & Recycling

Time (HRs IST)	Session	Topic
09:00 - 10:00	Registration	
10:00 - 11:15	Inauguration Session	India's roadmap for Advanced battery manufacturing <ul style="list-style-type: none">• Indigenous R&D and Innovation in Manufacturing• Government polices to support manufacturing of batteries (ACC-PLI, Niche PLI, Stationary storage PLI etc.)• Key challenges and bottleneck• Global partnerships in Manufacturing
11:15 - 11:30	Networking Tea and Expo Visit	
11:30 - 11:45	Market Session	Updates on the Advanced Battery Giga factories in India
11:45 - 12:00	Tech Session	Li-Ion Cathode Manufacturing in India
12:00 - 12:15	Tech Session	Li-Ion Anode Manufacturing in India
12:15 - 12:30	Tech Session	Manufacturing Opportunities for Electrolyte, Separators, adhesive and binders
12:30 - 12:45	Tech session	Non-Lithium Battery Manufacturing in India (VRB, Zinc based Batteries, Al-Air Batteries)
12:45 - 13:00	Tech Session	Sodium based Batteries R&D, Manufacturing & Opportunities in India
13:00 - 14:00	Networking Lunch and Expo Visit	
14:00 - 13:00	Special session (Supported by Western Australia*)	Panel Discussion <ul style="list-style-type: none">• Battery Raw materials Availability in India – Lithium, Manganese, Copper, Nickel, Aluminum• Global Partnerships for Battery Raw materials• Raw materials constants• Opportunities in Mining, Refining and Processing
15:00 - 15:15	Market session	Export Opportunities for Global Giga Factories
15:15 - 15:30	Tech Session	Manufacturing components and Equipments
15:30 - 15:45	Innovation Session	Driving Advanced Batteries R&D ecosystem in India
15:45 - 16:00	Policy Session	Key government policies to drive the Indian market, BWMR and EPR guidelines for Recycling, refurbishment and second life
16:00 - 16:30	Networking Tea and Expo Visit	
16:30 - 17:30	Plenary Session	Battery Recycling – <ul style="list-style-type: none">• Global Recycling Market Overview• Key challenges and opportunities• Standards and testing before second use.• Import-export scenarios of battery waste and black mass.• Way ahead and market potential• Battery waste collections, Black mass production• Recycling technologies to get metal salts
17:30 - 17:45	Special Session	Second-life batteries – Key challenges and opportunities for Low power applications
17:45 - 18:00		Day Summary and Vote of Thanks

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India Stationary Energy Storage Day (3rd July 2024)

Conference Program

Time (HRs IST)	Session	Topic
09:00 - 10:00	Registration	
10:00 - 11:15	Inauguration Session	Energy Storage for 500 GW renewable, grid Modernization and decarbonization of C&I Sector <ul style="list-style-type: none">• Key central & state government policies• Industry adoptions• Modernization of electricity grid
11:15 - 11:30	Networking Tea and Expo Visit	
11:30 - 11:45	Market Session	Energy Storage Tender and Projects in India
11:45 - 12:00	Market Session	Energy Storage requirement for DISCOMs
12:00 - 12:15	Tech Session	Learning from the mega scale Energy Storage projects Installed in India
12:15 - 12:30	Market Session	Indigenous BESS Manufacturing in India
12:30 - 12:45	Tech Session	VGF scheme for 4000 MWh Energy Storage Projects
12:45 - 13:00	Tech Session	Energy Storage for Peak shifting, RE-RTC, FDRE
13:00 - 14:00	Networking Lunch and Expo Visit	
14:00 - 14:15	Tech Session	Energy storage for decarbonization of Commercial & Industrial Sector optimizing Diesel usage
14:15 - 14:30	Market session	Energy Storage for Telecom and Data Center
14:30 - 14:45	Tech Session	Pumped Storage Projects and opportunities in India
14:45 - 15:00	Special Session	Deep drive into Import- Export regulations for BESS
15:00 - 15:15	Special Session	Sustainability targets, RE100, VPPA & role of Energy Storage
15:15 - 15:30	Tech Session	BESS Manufacturing and associated Supply chain opportunities
15:30 - 15:45	Policy Session	Energy Storage Sizing & Technology selection
15:45 - 16:00	Special Session	Power Electronics for BESS
16:00 - 16:30	Networking Tea and Expo Visit	
16:30 - 17:30	Plenary Session	Addressing the Challenges in rapid Energy Storage deployment in India <ul style="list-style-type: none">• key financing challenges• need of skilled workforce• central govt. policy framework & state level support
17:30 - 17:45	Special Session	Learning from Global BESS Projects
17:45 - 18:00	Day Summary and Vote of Thanks	

India Green Hydrogen Day (4th July 2024)

Conference Program

Time (HRs IST)	Session	Topic
09:00 - 10:00	Registration	
10:00 - 11:15	Inauguration Session	India's roadmap on green hydrogen R&D, Manufacturing & Deployment <ul style="list-style-type: none">• Defining Green Hydrogen• Role of R&D, Innovation• Key challenges in deployment• Global Collaboration
11:15 - 11:30	Networking Tea and Expo Visit	
11:30 - 11:45	Tech Session	Electrolyzer manufacturing Opportunities in India
11:45 - 12:00	Tech Session	Opportunities for Electrolysis BoP Manufacturing
12:00 - 12:15	Policy Session	Updates on the Electrolyser PLI
12:15 - 12:30	Policy Session	States - driving the Green Hydrogen Deployment
12:30 - 12:45	Tech Session	Hydrogen Valleys in India- Cluster Approach to drive Hydrogen, R&D, Manufacturing Pilot
12:45 - 13:00	Market Session	Global Hydrogen Outlook
13:00 - 14:00	Networking Lunch and Expo Visit	
14:00 - 14:15	Tech Session	Scheme Guidelines for the implementation of R&D Scheme under the National Green Hydrogen Mission
14:15 - 14:30	Market session	Biomass based Green Hydrogen production
14:30 - 14:45	Tech Session	Green Hydrogen storage and transportation
14:45 - 15:00	Tech Session	Large scale hydrogen Infrastructure
15:00 - 15:15	Financing Session	Investments and Financing of Hydrogen Projects
15:15 - 15:30	Tech Session	Hydrogen RCS (Regulations, Codes & Standards) and Safety
15:30 - 15:45	Special Session	Skilled Workforce requirement in Green Hydrogen Ecosystem
15:45 - 16:00	Special Session	Country Session - Green Hydrogen
16:00 - 16:30	Networking Tea and Expo Visit	
16:30 - 17:30	Plenary Session	Key application areas for green hydrogen in Industrial and Mobility sector <ul style="list-style-type: none">• Refining• Specialty Chemicals• Fertilizers• Steel Sector• Mobility
17:30 - 17:45	Special Session	Opportunities in Global Clean Hydrogen Projects
17:45 - 18:00		Day Summary and Vote of Thanks