

Renewable Energy
India **E-Expo**
An Online Energy Festival

3.0
edition



informa markets

CONFERENCE AGENDA

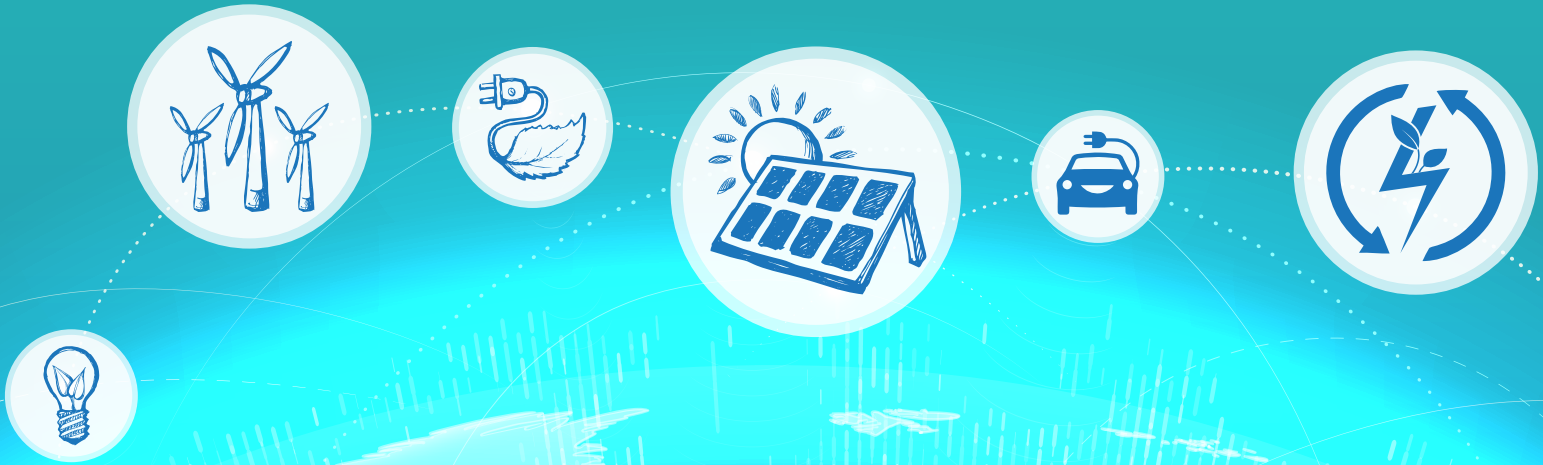
TRANSFORMING TO CLEAN GREEN WORLD



5 - 6 August 2021



1100 Hrs – 1900 Hrs (IST)



SOLAR | WIND | ELECTRIC VEHICLES | ENERGY STORAGE | BIO- ENERGY

RENEWABLE ENERGY INDIA E-EXPO

Introducing the 3rd Edition of Renewable Energy India E-expo “An Online Energy Festival” With The Objective To Connect & Collaborate With Stake Holders. Ours Is The World Class Virtual Platform To Enhance The Opportunity of Showcasing The Product & Technology Offerings To The Right Target Audience.

This Event Is Organized Under The Aegis Of Renewable Energy India Expo.

KEY FEATURES OF THE EVENT



**Real-Time
Chat With The
Exhibitors**



**Exclusive
Webinars**



**Products
Showcase**



**Easy Access
Via Desktop,
Laptop, Tablet
& Mobiles**



**2 Days Training on Exploring
Renewable Energy
Businesses and Engineering**

Opening Ceremony 1115 Hrs- 1215 Hrs (45 mins)

Welcome Address

Mr. Yogesh Mudras, Managing Director, Informa Markets in India

Keynote Address

Dr. Stephan Hesselmann, Economic Minister Counsellor, German Embassy, New Delhi

Keynote Address

Mr. Alexis Issaharoff, CBC Vice-Chair for Asia; CEO, Antah Renewables
(Company of the Royal Family of the Negeri Sembilan State in Malaysia)

Keynote Address

Ms. Jennifer Fagan, First Secretary, Trade and Investment – Energy and Clean Growth,
Department for International Trade, British High Commission, New Delhi.

Vote of Thanks/Closing Address

Mr. Rajneesh Khattar, Group Director - Energy Portfolio, Informa Markets in India.

RENEWABLE ENERGY INDIA E-EXPO

WELCOME ADDRESS



Mr. Yogesh Mudras
Managing Director,
Informa Markets in India

On behalf of Informa Markets in India, I am happy to welcome you to the 3rd edition of the REI E-Expo. We have been greatly encouraged in our endeavour by the positive feedback that we've received for the first two editions.

Like other sectors, the renewable energy domain has been hit by a stream of issues due to the pandemic. These include regulations, funding, project delays and delivery due to cash and manpower crunch. The need, therefore, for policy makers and industry players to continue engaging for a sustainable Covid-19 recovery is immense. This would help scale up sustainable, innovative, reliable, technological efficient, and modern energy to move forward. The two-day REI E-Expo is one of the steps to help in this eco-system wherein India added 2,320 MW of solar capacity amidst COVID-19 pandemic from January to September 2020.

Supported by the World Business Council of Sustainable Development, India Energy Storage Alliance (IESA), CleanTech Business Club, Indo German Energy Forum, Indian Biogas Association, and National Solar Energy Federation of India, the E-Expo is also bringing together renowned brands, consultants, business experts and officials under its virtual platform.

Significantly, with renewable energy continuing to be a much focused upon sector, its construct in the current pandemic is a challenge as well as an opportunity. Accordingly, the REI E Expo includes a power packed conference named 'Transforming to Clean Green World'. A panel of internationally renowned eminent speakers, from different time zones, will do justice to the subjects within the conference.

A special round of thanks go to all our sponsors and exhibitors for the support and trust shown towards the E-Expo.

I sincerely wish you all a productive and successful time at the show.

RENEWABLE ENERGY INDIA E-EXPO

CONFERENCE AGENDA

5th August 2021

1115 – 1215 Hours (IST)	Opening Ceremony
1215 – 1315 Hours (IST)	Session Topic: CEO's Vision: The Next Big Leap in Solar Sector
1400 – 1500 Hours (IST)	Policies To Fast-Track Deployment Of EV Charging Infrastructure In India
1500 – 1600 Hours (IST)	“Innovations : The force RE sector thrives on”
1600 – 1700 Hours (IST)	Energy Storage for Ancillary Services, T&D and RE-Hybrid for India - The Way Forward
1700 – 1800 Hours (IST)	Driving The CleanTech Decade Together - The 1st India CleanTech Organisations Leaders Conclave #TogetherWeAreStronger

6th August 2021

1100 – 1200 Hours (IST)	Can Low-Carbon Hydrogen Power Indian Businesses? – Preliminary Hurdles And Way Forward
1200 – 1300 Hours (IST)	India’s Decade Energy Transition: Innovation, Integration and Indigenization – A Techno-Economic Perspective
1400 – 1500 Hours (IST)	CBC Financial & Investor Hub Session: Financing Battery Storage Deployment: The Next Energy & Transportation Disruption
1500 – 1630 Hours (IST)	New Agri Voltaic Developments In India
1630 – 1730 Hours (IST)	The Potential Of Biogas Between Dream And Reality

RENEWABLE ENERGY INDIA E-EXPO

CONFERENCE AGENDA DAY 1

Session 1 1215 – 1315 Hrs (IST)

Session Topic: CEO's Vision: The Next Big Leap in Solar Sector

India's solar sector has grown rapidly in the past decade, aided by favorable economics and strong policy support. Now the government aims to have 280GW solar projects built by 2030, a sevenfold increase in less than 10 years. New opportunities are opening up with a renewed push for domestic manufacturing and also with the evolving strategies of power producers.

- Imports v/s make in India
- Keeping up with evolving technologies
- Managing global supply chain
- Financing the future
- Role of automation and data analytics

Session Chair:

- Sri Manu Srivastava, IAS, Administrative Member-Board of Revenue, Govt of Madhya Pradesh

Moderator:

- Rohit Gadre, Solar Analyst, Bloomberg NEF

Panelists:

- Chiranjeev Saluja, Founder and Managing Director, Premier Energies
- Kapil Maheshwari, President - Renewable Energy Development, Reliance Industries Limited
- Manish Narula, Head of Business Development & Senior Director, Sales, Jinko Solar Co., Ltd

LUNCH 1315 Hrs – 1400 Hrs (IST)

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Session 2 14:00 – 1500 hrs (IST)

Topic: Policies to fast-track deployment of EV charging infrastructure in India

This decade will be crucial for India's ambitions. India needs to install ~2 million public/semi – public chargers by 2030 (up from a few thousand today) to align with the 30% sales target. Despite the central and state governments progressive policies, the charging infrastructure in India is still in its infancy. As businesses start to invest in the transition, they often find themselves in uncharted territory, where legacy regulations do not provide the intended social benefits but instead often become bottlenecks to growth. Resolving the challenges will require immense collaboration between policymakers and businesses from mobility, power and real estate sectors.

Welcome address:

Jasmeet Khurana, Manager-Mobility, WBCSD

- Policy opportunities and challenges in charging
- Lessons from the WBCSD's recent India EV policy report:
- Appurva Appan, Associate-Mobility, WBCSD

Panel discussion:

Policy recommendations to accelerate business action on investments in India's charging infrastructure

- Regulations on charging standards

Topics for discussion: Policies related to:

- Clear market rules on grid upgradation
- Defined grid upgradation timelines
- Elimination of artificial distortions related to land allocation
- Enable access to clean energy to power clean mobility
- GST reduction on charging services

Moderator:

Jasmeet Khurana, Manager - Mobility, WBCSD

Speakers:

- Awadhesh Jha, Vice President, Fortum Charge & Drive
- Krishna Sharma, Vice President & Business Head – EVSE, Exicom
- Maxson Lewis, Managing Director, Magenta Power
- Kartikey Hariyani, CEO & Co-Founder, ChargeZone

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Session 3 15:00 – 16:00 hrs (IST)

Topic: "Innovations : The force RE sector thrives on"

(Presentations)

1. Sai Charan Kuppili, Technical Director, Jinko Solar Co., Ltd.

Topic: Latest trends in PV – 2022 & Beyond

2. Harshit Agarwal, Deputy Country Sales Manager, Process Licensing. Axens Solutions

Topic: AXENS RENEWABLE SOLUTIONS – A Step Further Towards Sustainable Mobility and Future

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Session 4 16:00 – 17:00 hrs (IST)

Topic: Energy Storage for Ancillary Services, T&D and RE-Hybrid for India, the way Forward

Theme: Indian energy storage market is shaping up very well on manufacturing and adoptions in both stationary and e-mobility applications. Recently Government announced the PLI scheme for ACC & Niche ACC battery storage incentive scheme worth USD 2.5 billion. Earlier this year, the government also released draft ancillary services framework and draft National Electricity Plan (NEP) 2021, which will lead to increase energy storage installations in India. The Ministry of New and Renewable Energy (MNRE), India has issued Guidelines for Tariff Based Competitive Bidding Process for Procurement of Round-The Clock Power (RTC) and Re-Hybrid last year.

Discussion points:

This session is conceptualized to focus on such concepts, policies, guidelines, energy storage technology, cost analysis and discussions and also look into the gaps which needs to be taken care of for making this sector truly sustainable. Energy Storage technologies for Renewable and grid

- Global installations and learnings
- Policy landscape and opportunities in India
- Cost Analysis & ROI
- Current projects and tenders in India
- Key application areas (Ancillary Services, T&D applications & Re-Hybrids)
- Challenges and way forward

Moderator:

- Dr. Rahul Walawalkar, President, IESA & MD, CES India

Speakers:

- Akilur Rahman, Chief Technology Officer (CTO) - Hitachi ABB Power Grids India
- Vineet Mittal, Founding Director, Navitas Green Solutions Pvt LTD
- Abhishek Ranjan, VP of Power Markets and Head Renewable, Smart & DSM projects, BSES Delhi
- Nilesh Kane, Chief- Distribution (Mumbai Operations), TATA Power Mumbai

RENEWABLE ENERGY INDIA E-EXPO

Session 5 17:00 – 18:00 hrs (IST)

Topic: CBC High Level Leadership Session

Hosted by CBC In Partnership with Informa Markets

Driving The CleanTech Decade Together - The 1st India CleanTech Organisations Leaders Conclave
#TogetherWeAreStronger

Hosted by CBC In Partnership with Informa Markets

This first ever High- Level Leadership Conclave in the Country will bring together Leaders of the Leading Indian Industry Organisations representing wide spectrum of Clean Technologies from Energy to Auto-motive sectors, but also Leaders of Other Disruptive Industries (e.g. FinTech, AI, Blockchain, IoT...) that together with Clean Technologies will drive Transformation of the Country towards a New Paradigm.

The Objectives of the Conclave are as follows:

- To introduce each other (Leaders & Organisations)
- To discuss Opportunities, Challenges related to the Country Transformation during the current CleanTech Decade
- To explore Possible Cooperation Schemes between the Leaders of the Organizations and Organizations themselves based on H2H (Human To Human) and #TogetherWeAreStronger principles during The CleanTech Decade:
- Within the Country
- With International Counterparts

RENEWABLE ENERGY INDIA E-EXPO

Honorary Chairs:

- Shri K.S.Popli, Advisor to International Solar Alliance & Former CMD of Indian Renewable Energy Development Agency (IREDA); Honorary Co-Chair of CBC for India
- Pranav R. Mehta, Chairman at NSEFI; Immediate Past Chairman - Global Solar Council; Honorary Co-Chair of CBC for India

Chair:

- Dr. Hitesh Doshi, Chairman, Waaree Group; CBC Co-Chair for Asia & Chair for India; President, All India Solar Industries Association

Moderator:

- Tomasz Slusarz, Vision Streamliner, CleanTech Business Club

Confirmed Speakers:

- Subrahmanyam Pulipaka, CEO - NSEFI (National Solar Energy Federation of India)
- Debi Prasad Dash, Executive Director, India Energy Storage Alliance (IESA)
- Dr. Jami Hossain, Vice President & Technical Chair, World Wind Energy Association (WWEA); Board Member, International Association for Wind Engineering (IAWE); President, Renewable Energy Welfare Society (REWS)
- Sohinder Gill, Global CEO, Hero Electric, Official Spokesperson, SMEV (Society of manufacturers of Electric Vehicles)
- Raj Kapoor, Founder & CEO, India Blockchain Alliance
- Gaurav Kumar Kedia, Chairman, Indian Biogas Association
- Reji Kumar Pillai, President, India Smart Grid Forum; Chairman, Global Smart Energy Federation
- Monish Ahuja, Chairman, Confederation of Biomass Energy Industry of India; Managing Director, Punjab Renewable Energy Systems

RENEWABLE ENERGY INDIA E-EXPO

CONFERENCE AGENDA DAY 2

Session 6 11:00 – 12:00 hrs (IST)

Topic: Can low-carbon hydrogen power Indian businesses? – preliminary hurdles and way forward

Low-carbon hydrogen is slated to play a critical role in India's decarbonization strategy. With its potential uses across various high emitting sectors including industries, transport and power systems, it has rightly been termed the fuel of the future. Having taken a lead in renewable energy generation, India is well placed to be at the forefront in producing price competitive low-carbon hydrogen, given that the right policy and market framework is provided for its development. Interest in this sector has picked up further following the Government of India's proposed creation of a National Hydrogen Energy Mission earlier in 2021. While availability of green energy sources may be less of a concern for production of green hydrogen in India, the road ahead to low carbon hydrogen is fraught with concerns around commercial viability given lack of a country wide pipeline distribution network, high costs attached with transportation and storage as well as need for universal standards for production.

Key points of discussions:

- Current plans to manufacture/ use low carbon hydrogen – Opportunities and enablers
- Specific challenges faced by businesses in use of low-carbon hydrogen to meet their energy needs
- Outlook on the mix of blue and green hydrogen as well as respective techno-commercial viability aspects
- Areas of focus and priorities both at national and business level to scale-up production and use
- Required policy and regulatory support

Moderator:

- Surbhi Singhvi, Manager Energy, WBCSD

Panelists:

- Dr. G Balachandran, Vice President, R&D, JSW Steel
- Dr. Pradeep Perera, Principal Energy Specialist and Head Energy (India), Asian Development Bank
- Girish Sethi, Senior Director, Energy Program, TERI
- Akshay Bhardwaj, General Manager and Lead, Hydrogen and New Business, Acme Cleantech
- David Hart, Partner ERM and Director, E4Tech

Key Takeaways

- Corporate plans in production and consumption of low-carbon-hydrogen
- Required policy and regulatory support
- Favourable sectors for use of low-carbon hydrogen
- Existing barriers and enablers for using low-carbon hydrogen as a critical fuel for energy transition

RENEWABLE ENERGY INDIA E-EXPO

Session 7 12:00 – 13:00 hrs (IST)

Topic: India's Decade Energy Transition: Innovation, Integration and Indigenization – A techno-economic perspective

India is home to one of the most ambitious energy transition programs across the globe. With a target of 175 GW of RE by 2022 and 450 GW by 2030, this decade will be dictated by India's energy transition journey. With the increase in share of renewables in the grid, integration of storage, promoting domestic manufacturing and innovative technologies like Green Hydrogen, Agri-PV will play a vital role this decade.

This panel discussion will focus on the Innovation, Integration and Indigenization of techno-economic trends that will influence India's energy transition journey.

Points of discussion:

- Accommodating exponentially growing renewables in the grid
- Role of energy storage, grid integration and technologies like Green Hydrogen
- Innovation in Generation, Distribution and Transmission sectors
- Indigenization of solar and storage manufacturing.
- Regulatory and policy reforms required to achieve India's targets

Moderator:

- Subrahmanyam Pulipaka, Chief Executive Officer, National Solar Energy Federation of India

Speakers:

- Prashant Mathur, CEO, Saatvik Green Energy (P) Ltd
- Lt. Col. Monish Ahuja (Retd), Managing Director, PRESPL & Ex. Chairman Bioenergy, FICCI
- Debi Prasad Dash, Executive Director, IESA
- Sri Murali Surapaneni, COO, Axis Energy Group
- Naushad Saifi, Sr. Director Sales -India, Jinko Solar
- Krishnendu Mukherjee, Chief Executive Officer, Sova Solar Limited

LUNCH 13:00 – 14:00 Hrs (IST)

RENEWABLE ENERGY INDIA E-EXPO

Session 8 14:00 – 15:00 hrs (IST)

Topic: CBC Financial & Investor Hub Session:

Financing Battery Storage Deployment: The Next Energy & Transportation Disruption

Hosted by CBC In Partnership with Informa Markets

The Goal of this High-Level Financial Session hosted jointly by CBC Financial & Investor Hub in cooperation with CBC Energy Storage Hub is to analyze Governmental and private financial instruments as well as respective business models that will drive the Next Energy & Transportation Disruption in India that will happen thanks to wide Battery Storage Deployment during the current CleanTech Decade.

The Panelists will also discuss on World Bank and International Finance Corporation supporting schemes of the Government of India in its National Mission on Transformative Mobility and Battery Storage and in National Mission on Advanced Chemistry Cell.

Honorary Chair:

- Shri K.S.Popli, Advisor to International Solar Alliance & Former CMD of Indian Renewable Energy Development Agency (IREDA); Honorary Co-Chair, CBC for India

Chairs/ Moderators:

- Mani Khurana. Senior Energy Specialist and Task Team Leader, the World Bank; Head the World Bank's Battery Storage Program in India
- Dr. Rashi Gupta, Managing Director, Vision Mechatronics; CBC Vice-Chair for India & Chair of CBC Energy Storage Hub

Confirmed Speakers:

- Simay Akar, Chief Commercial Officer, Innoses; CBC Empowering Women Hub, Chair for Turkey
- Harssh Chhaajer, Renewable Energy Industry Leader, Marsh India Insurance Brokers
- Kushagra Nandan, Co-Founder & Managing Director at SunSource Energy | Co-Chairman ASSOCHAM UP State Development Council
- Achal Sondhi APAC Market Director, Fluence
- Ankit Doshi, Director, Waaree ESS
- Dr. Pawan Singh, Managing Director, PTC Financial
- Sunil Dayal, Energy Sector and Climate Finance Expert at World Bank; Member of South Asia Chapter, CBC Financial & Investor Hub
- Ketan Chitnis, Vice President, Stationary BU, Exide Leclanche Energy Pvt Ltd
- Raj Kapoor, Founder & CEO, India Blockchain Alliance
- Sandeep Chopra. Founder, CEO, Metafin Cleantech Finance Pvt Ltd (invited)

RENEWABLE ENERGY INDIA E-EXPO

Session 9 15:00 – 16:30 hrs (IST) 11:30 hrs to 13:00 hrs (CEST)

Session Topic: New Agrivoltaic Developments in India

- | | |
|---|--|
| 15:00 – 15:10 (IST)
11:30 – 11:40 (CEST) | Inauguration and Opening Remarks <ul style="list-style-type: none">• Shri Amitesh Kumar Sinha, Joint Secretary (Solar), Ministry of New and Renewable Energy*• Dr. Nicole Glanemann, Dpty. Head of Division, Federal German Ministry for Economic Affairs and Energy |
| 15:10 – 15:25 (IST)
11:40 – 11:55 (CEST) | Introduction and Overview on Indian Agrivoltaic Pilots <ul style="list-style-type: none">• Subrahmanyam Pulipaka, CEO, National Solar Energy Federation of India |
| 15:25 – 15:40 (IST)
11:55 – 12:10 (CEST) | Installation of vertical Bifacial Solar Pilot in India <ul style="list-style-type: none">• Dr. Jai Prakash Singh, Director Technical, National Institute of Solar Energy |
| 15:40 – 15:55 (IST)
12:10 – 12:25 (CEST) | Experiences with 110 kW Agrivoltaics plant in NCR <ul style="list-style-type: none">• Hravan Sampath, Managing Director, Oakridge Energy Pvt. Ltd |
| 15:55 – 16:10 (IST)
12:25 – 12:40 (CEST) | Overview on International Agrivoltaics <ul style="list-style-type: none">• Maximilian Vorast, Researcher Agri-Photovoltaics, Fraunhofer Institute for Solar Energy Systems ISE |
| 16:10 – 16:30 (IST)
12:40 – 13:00 (CEST) | Questions & Closing |

*invited, yet to confirm...

RENEWABLE ENERGY INDIA E-EXPO

Session 10 15:00 – 16:30 hrs (IST)

Topic: The Potential of Biogas between Dream and Reality

For the overall development and sustainability of the biogas in India, a developed and stimulating technology and policy framework for biogas is a must. It can then help in decarbonization and provide the foundation of a circular and waste-to-energy-based economy to ensure a greener future for the country.

Key Discussion Points:

- Attendee will have an idea about biogas, bio-CNG, and SATAT scheme,
- Biogas scenario of India and the world,
- Experience exchange about the international biogas scenario and practices,
- Information about the potential of Biomass (Agri-waste) to be used in biogas, and
- Importance of waste segregation and its supply chain.

Session Moderator:

- Srinivas Kasulla, Arka BRENStech Pvt. Ltd.

Panelists:

- Florian Wueck, Sales Director, ARMATEC-FTS
- Jan Rapp, MD and founder, Biogas Academy
- Agronomist Guenther Stocker, Managing Director, Eta GaS

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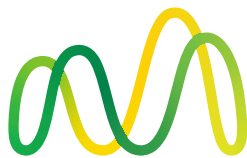


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UPCOMING EVENT



**Renewable Energy
India Expo**

15 - 17 SEPTEMBER 2021
India Expo Centre, Greater Noida



RenewX

19 - 20 NOVEMBER 2021
Hall 1, Hitex, Hyderabad

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