



eTECHnxt

Green Energy (R)Evolution-
Carbon Markets, Storage &
Generation

24-25 February 2025
India Expo Mart, Greater Noida
Delhi NCR



Mustafa Wajid

Chairman, eTECHnext 2025 &
Chairman, MEHER Group

Message from the Desk of Chairman

Welcome to the 4th edition of eTECHnext. This year's theme, "The Green Energy (R)Evolution" will focus on key technologies and business opportunities that will drive significant value creation in the green energy sector.

This edition of eTECHnext @ ELECRAMA 2025 features three key tracks

- The emerging "Carbon Eco System & Markets"
- The rapidly evolving area of "Energy Storage - Enabling Round the Clock Renewable Energy", across the Electricity value chain
- Power Generation NxT - New Frontiers

By focusing on these key tracks, eTECHnext aims to drive innovation, foster collaboration, and accelerate the transition to a sustainable energy future.

Join us at eTECHnext 2025 to know more about the changing technology and policy landscape and imagine business opportunities that you can pursue.



An Overview

The energy landscape is undergoing a profound transformation, driven by the urgent need to reduce greenhouse gas emissions and transition to a more sustainable future. New energy technologies are emerging at a rapid pace, offering innovative solutions to meet the energy demands while minimizing environmental impact.

The Union Budget 2024-25 underscores India's commitment to a sustainable energy future. Commercializing indigenous Advanced Ultra Super Critical (AUSC) thermal power plant technology, promoting energy storage solutions for seamless integration of renewable energy, exploring geothermal energy potential, advancing green hydrogen production, and developing a robust carbon market are key steps towards enhancing energy efficiency, ensuring grid reliability, reducing carbon emissions, and fostering a sustainable energy landscape.

eTECHnxt platform is created to serve as a catalyst for innovation, discussing and showcasing the technologies and trends that will shape the future of electrical and allied electronics industry.

Previous editions of eTECHnxt have successfully illuminated pathways in new and cutting-edge areas like EV's, Green Hydrogen, Energy Storage, IOT and Artificial Intelligence. The conference consistently emphasizes the need for industry to seize these opportunities proactively rather than passively waiting.

Key Tracks

The 4th edition of eTECHnxt will delve in details on the below tracks:

Track 1

Carbon Eco System & Markets

Decarbonization is a global imperative and carbon compliance & markets are emerging as a critical tool. India is poised to play a significant role.

Focus Areas:



Understanding carbon eco system & markets (compliance and voluntary)



Challenges & Opportunities for the electrical and allied electronics manufacturing industry



Carbon credit generation and trading



Policy landscape and future outlook



Track 2

Energy Storage- Enabling RTC Renewable Energy

Energy storage is pivotal for grid integration of renewables, ensuring power reliability and resilience. Battery storage technologies are advancing at an unprecedented pace, significantly transforming the energy sector with increasingly efficient, scalable, and cost-effective solutions.

Focus Areas: _____



Enhancing Grid Efficiency and Reliability by Integration of Battery Storage with Renewable Energy Forecasting and Scheduling Grid-scale applications and case studies



Role of Battery Storage in Enabling Round-the-Clock Renewable Energy Systems: Challenges, Opportunities, and Policy Implications



Roadmap for Utilities & Industries to achieve Flexibility, Resilience, and Decarbonization



Policy and regulatory frameworks for storage deployment



Challenges & Opportunities for the electrical and electronics industry



Track 3

Power Generation NxT- New Frontiers

While renewables are at the forefront, conventional generation continues to play a role. New advancements and approaches are needed to blend diverse power sources and enhance their efficiency and sustainability.

Focus Areas:



Clean & efficient coal technologies



Small modular reactors (SMRs) for distributed generation



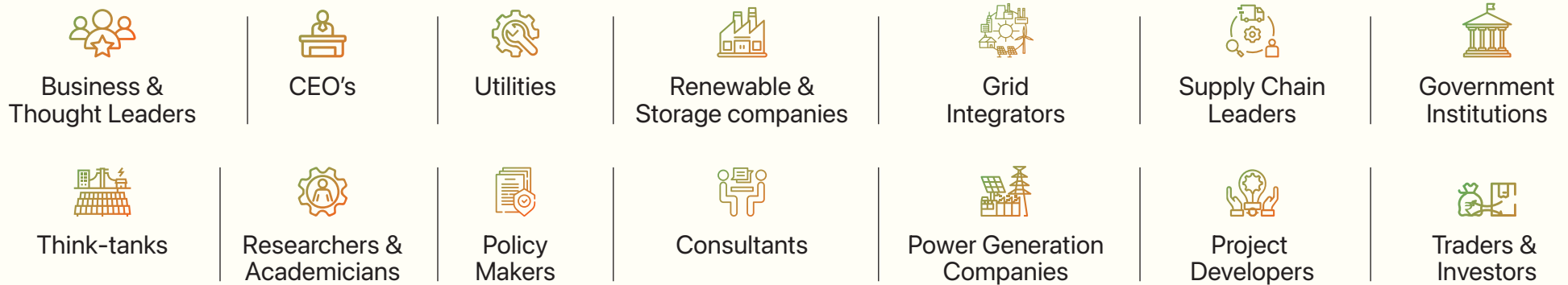
Hybrid models combining renewables with conventional sources



The evolving role of thermal and nuclear within India's energy mix till 2032



Who Should Participate



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Glimpses of Past eTECHnxt



For details, please contact:

Kumar Rahul
kumar.rahul@ieema.org | +91 87890 98209

Ginni Banga
ginni.banga@ieema.org | +91 99581 98875

Pratik Shah
pratik.shah@ieema.org | +91 75060 75756

Indian Electrical & Electronics Manufacturers' Association

85A, First Floor, Rishyamook Building, Panchkuian Road, New Delhi-110001, INDIA

T: +91-11-23363013 | F: +91-11-23363015

etechnxt.elecrama.com

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