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16th Edition
ELEC RAMA 2025
Powering the Future of Energy

22 - 26
February 2025 | India Expo Mart
Greater Noida, Delhi NCR



eTECHnxt

Empowering Businesses for
a Tech-driven Future



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.

Solid-state batteries, Green Hydrogen and Hydrogen fuel cells will see a significant rise in innovative energy technologies in the next few years. These evolving technologies not only help in achieving environmental goals but also opens new avenues for businesses to innovate and profit while contributing to a more sustainable future.

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

Battery Energy Storage and Grid stability

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

Redefining Business Opportunities in Power Generation (Renewable, Thermal and Nuclear)

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



Business &
Thought
Leaders



CEO



Utilities



Renewable &
Storage
companies



Grid
Integrators



Supply Chain
Leaders



Government
Institutions



Think-tanks



Researchers &
Academicians



Policy
Makers



Consultants



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Glimpses of Past eTECHnxt



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