



YOUR GATEWAY TO
**ENERGY
STORAGE
& EV
MARKETS**



ABOUT INDIA ENERGY STORAGE ALLIANCE (IESA):

IESA was launched in 2012 by Customized Energy Solutions to accelerate adoption of Energy Storage, Microgrid & EV Technologies in India, through an active dialogue amongst the various stakeholders. IESA aims to make India a global hub for research and manufacturing of advanced energy storage & EV technologies by 2022. In the past 6 years IESA membership has grown from 5 to 90+ and covers diverse verticals from energy storage & Power electronics manufacturers, renewable energy companies, EV manufacturers and research institutes & universities.

ABOUT IESA KNOWLEDGE PARTNER NETWORK (KPN):

Aim of IESA KPN network is to help members understand the various energy storage technologies, business applications and intertwined policy/regulatory issues. IESA team works with KPN members to make them an informed decision on technology adoption, target markets and conduct promotional/marketing activities of their products and services. IESA KPN has a tiered membership structure offering different benefits specially designed to meet needs of companies of different size. IESA KPN members have access to member only content including tender and RFP dashboard, IESA webinars, IESA working group resources and industry reports through IESA partner network.

ABOUT IESA LEADERSHIP COUNCIL (LC):

IESA Leadership Council (LC) was formed in 2016 so as to allow IESA members to play an active role in driving policy priorities for the industry. Individual representatives from Leadership member companies constitute the Leadership Council and leads different IESA working groups focusing on policy, financing and technical issues such as standards. IESA LC members lead IESA interactions with various government ministries and regulators through roundtables and meetings to provide inputs for policies. IESA Leadership Circle members can also propose new initiatives to be started by IESA or drive the existing initiatives. LC members also benefit from regular monthly calls with IESA's Executive Director and research team.



Over the past 7 years, IESA has launched over 10 new initiatives for the market growth to help market growth. IESA's Leadership Council helps drive the policy agenda for IESA. IESA's vision is to make India a global hub for R&D and manufacturing of advanced energy storage, micro grids and EVs.

IESA INITIATIVES



IESA – WORKING GROUPS

Three working groups on Business, Policy and Technology to discuss and gather inputs on various state & central government policies, tenders and new technologies.



ENERGY STORAGE STANDARDS TASKFORCE

Working on performance & safety aspects of energy storage. IESA is a part of the BIS standards committee (ETD-52) and provides inputs on new standards for Li-Ion cell, BMS, ESS systems and charging infrastructure.



INDUSTRY REPORT & MARKET SURVEY

IESA releases annual India Energy Storage Market overview report every year. It also releases white papers, case studies on various topics with co-operation from members and industry partners.



MICRO – THE MICROGRID INITIATIVE FOR CAMPUS AND RURAL OPPORTUNITIES

In 2016, we set a goal of reducing the cost of electricity from microgrids in India by 30%-50% by 2020 and have been working on bringing together various stakeholders to achieve this dream. Phase 1 of the initiative focuses on energy access for remote communities and Phase 2 will focus on the campus microgrids.



MOVE – MOVING ONWARDS VEHICLE ELECTRIFICATION

This is a new initiative to help India move towards Vehicle electrification and build a robust ecosystem for EV manufacturing & adoption. IESA is working with various stakeholders in the mobility sector to address barriers and focus on the aspects related to batteries for EVs and charging infrastructure.



I-LAB (IESA-LEAD ACID BATTERY FORUM):

This initiative is to help the current lead acid manufacturers to improve their technology and also to diversify into newer application areas. We also organize various workshops and seminars on advanced lead acid manufacturing and also encourage tender authorities to include advanced lead acid in the technology list.



INNOVATION & STARTUP

IESA is working to launch incubators focused on developing next generation storage, EV and microgrid technologies. IESA also organizes start up competition for new companies and facilitates the discussion between potential investors & member companies.



BEYOND BATTERIES INITIATIVES

IESA is working on other storage technologies like thermal storage, ultra-capacitors, fuel cell and mechanical storage. We are focusing on some specific applications for beyond battery storage and its manufacturing & implementation in India.



INDIA ENERGY STORAGE DATABASE (IESDB):

Is a database of energy storage and microgrid projects as well as manufacturing plants, research institute, recycling and EV charging stations in India. We are working with the IESA members to populate useful data to show the status of energy storage industry in India.



IESA ACADEMY

Skill development initiative with support from industry associations such as IEEMA, NSEFI and top research universities, training institutes, government departments to address the need for training and skill development for the sector. This includes various workshops, master-class and other training programs at various parts of India.



INDUSTRY ACADEMIC PARTNERSHIP

IESA is closely working with research universities, educational institutions and government organizations like DST, MEITY, and other R&D national labs to quicker energy storage technology development. Through this initiative, IESA plans to provide joint fellowship & scholarships for research in India.



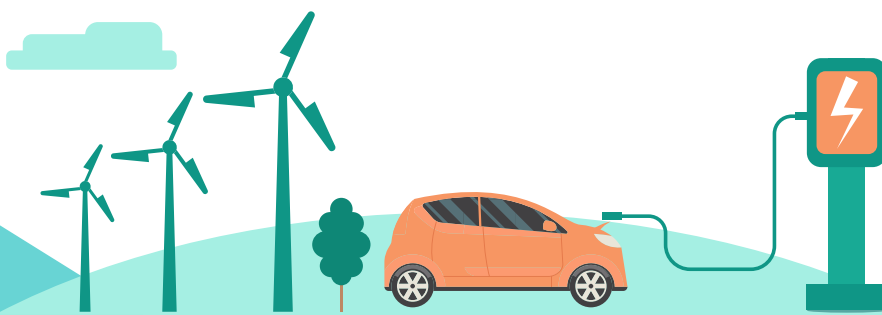
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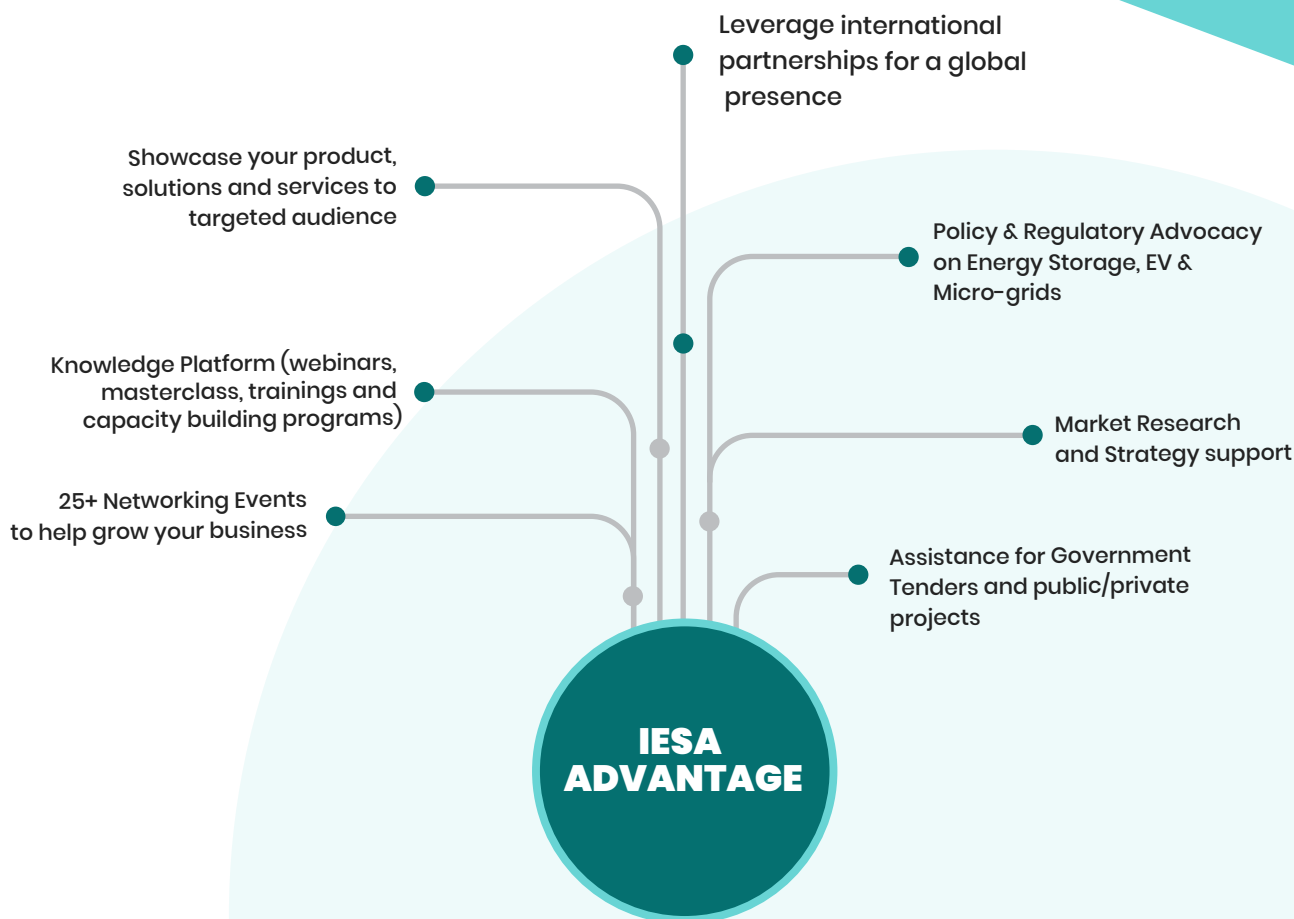
Exclusive online catalogue to showcase products & solutions of our member companies. Currently is a part of beta version, all member companies have a dedicated webpage on IESA website to list their services & solutions.



GLOBAL ENERGY STORAGE INDEX (GESI)

Is the sectorial index for global energy storage market. This is designed to track the energy storage industry comprising technology manufacturers, energy storage solutions providers, raw material providers, component suppliers and power electronics companies. CES - GESI includes companies from across the globe including USA, China, Japan, South Korea, Switzerland, India and Canada etc.





IESA works in three major verticals which are



POLICY & ADVOCACY

IESA Leadership Council working group members continuously work with state and central government authorities to create energy storage policies for India. It has also help its member companies in policy intervention and support.



PROJECTS

IESA supports various tender authorities to create energy storage tender in India and also works with private parties to create the business cases for energy storage projects.



PROGRAMMES

IESA organizes various capacity building workshops, seminars and webinars for its members throughout the year. It also organizes three national level conference called as EV Conclave, India Energy Storage Policy Forum and Energy Storage Technology Summit. In addition to this, IESA also organizes Energy Storage India (www.esiexpo.in), an annual International Conference and Exhibition

IESA outreach channels include Weekly Newsletters, Emerging Technology News (ETN) magazine, Emerging Tech Radio podcast and various Industry reports. IESA has strategic alliances with 20+ global and national associations including China National Energy Storage Alliance (CNESA), Energy Storage Association (ESA), California Energy Storage Alliance (CESA), Germany Energy Storage Alliance (BVES), Energy Storage Canada (ESC), Australian Energy Storage Alliance (AESA) and many more.

