

*Presents*



**Theme: Roadmap for electric mobility & Charging infra adoption in 2021**

**FEBRUARY 25, 2021 | VIRTUAL CONFERENCE | TIMING: 10 AM TO 5 PM**

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HOST MEDIA PARTNER



India is poised to become one of the largest electric mobility markets globally in the coming decade with the Indian government's drive to curb pollution and reduce reliance on import-dependent fossil fuels. Although we are still in the infancy stage of EV adoption, changes in the technology landscape and due to the government's focussed vision, the coming years will see EV sales surge in the sub-continent. Tesla's entry into India will ensure a slew of quality products in the EV market which will bring about healthy competition between global and Indian players.

EV sales in India stood at 3, 80,000 in 2019-20, and the EV battery market at 5.4GWh in the same year. IESA expects the EV market to grow at a compound annual growth rate of 44 percent between 2020-2027, and to hit a 6.34 million annual unit sale by 2027. The annual battery demand is forecasted to grow at 32 percent to hit 50GWh by 2027. Of this, 40+GWh will be lithium-ion batteries. The battery market potential was estimated at \$580 million in 2019 and is forecasted to grow to \$14.9 billion by 2027. To boost indigenous manufacturing, the cabinet recently approved a production linked incentive scheme for 10 sectors, including Auto and Auto components and Advanced Cell Chemistry Battery.

Ever since EV became a buzzword, IESA has actively engaged with 12+ states and union territories to pioneer the way to increase production, infrastructure and services towards the adoption of EVs in India. Various State governments have led by example and announced EV policies to promote the development of electric mobility infrastructure and provide incentives for EV and energy storage manufacturing.

With a similar intention in mind we are delighted to announce the 8th Electric Mobility event India e-Mobility Conclave 2021 (IMC 2021) which focuses on the roadmap and outlook for e-mobility in India. This is a unique platform to interact, network and pick up on the market landscape, government policies, new products, EV and charging infrastructure deployment, as well as fast charging and swapping technologies.

[www.indiaesa.info](http://www.indiaesa.info)

Contact:

Tushar Kakade, Associate, IESA [tushar.kakade@ces-ltd.com](mailto:tushar.kakade@ces-ltd.com) M: +91-9404999270  
Devyani Salunkhe, [dsalunkhe@ces-ltd.com](mailto:dsalunkhe@ces-ltd.com), [contact@indiaesa.info](mailto:contact@indiaesa.info) M: +91-9975710139  
Shubham Gaikwad, [sgaikwad@ces-ltd.com](mailto:sgaikwad@ces-ltd.com), [contact@indiaesa.info](mailto:contact@indiaesa.info) M: +91-8379037205



# PANEL DISCUSSIONS

## **SESSION 1: Panel Discussion: Electric Mobility Manufacturing Ecosystem: Opportunities and way forward**

- Global & India - Current scenario and new opportunities
- Phased manufacturing program (PMP) to support indigenous manufacturing
- PLI Scheme: Auto and auto components, Advanced Cell Chemistry (ACC)
- State Level EV Policies (State procurement policies to drive adoptions)
- Demand creation through FAME II Scheme
- Early experience and consumer expectations
- Skill requirement and training

## **SESSION 2: Panel Discussion: EV 360 (Power Train, Power electronics, EV Components, Battery, Hydrogen & Fuel cell)**

- Opportunities to manufacture indigenous EV components (Enabling manufacturing hubs/clusters)
- Supply chain and scale-up of technologies
- Development and field testing of motors
- Thermal management and BMS, EV software and simulation
- Requirement of standards, validation and testing
- Recycling, safety and second life of EV batteries
- Industry R&D investments, Role of Centre of Excellences (CoE) and National Labs
- Green Hydrogen, Hydrogen Economy and Fuel cell based vehicle

## **SESSION 3: State Panel: EV Infrastructure & Innovative Business Models**

- Current status of charging infra deployment and Key players
- Business Models for charging service providers
- Swapping opportunities
- Charging Infra management platforms
- Battery as a service (BAS), vehicle to grid (V2G)
- Impact of EV on Electricity Grid and Load Balancing

## **SESSION 4: Panel Discussion: Government & Corporate EV Adoptions**

- IESA AV Adaptors Circle (IESA - EVAC)
- Shared Mobility and Fleet Operation
- EV adoptions for people and goods carriers
- EV adoption in India by corporates
- Governments – Industry partnership opportunities
- Learning from early adoptions and the way forward

## **SESSION 5: Panel Discussion: Start-up ecosystem**

- Challenges and roadmap
- Funding opportunities
- Investments and acquisitions
- New product, solutions launch
- Innovative and emerging applications

**Delegate Registrations:**

**For IESA Members: Free**

**For Non-Members: Early bird price till – February 10, 2021: ₹6,000+ taxes**

**Regular ticket price on or after – February 10, 2021: ₹8,000+ taxes**

## **For registrations, contact:**

Devyani Salunkhe, dsalunkhe@ces-ltd.com, contact@indiaesa.info M: + 91-9975710139

Shubham Gaikwad, sgaikwad@ces-ltd.com, contact@indiaesa.info M: + 91-8379037205

## **Speaking Opportunity:**

**Contact: Mr. Debi Prasad Dash**  
contact@indiaesa.info  
Mob-9699719818

## **For Speaking & Partnership:**

**Contact: Mr. Ashok Thakur**  
contact@indiaesa.info  
Mob -9819944543



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