

Plug in to the Greener World



Summit 2017

New Delhi



Summit Brochure

India is looking to have all-electric car fleet by 2030 with express objective of lowering the fuel import bill and running cost of vehicles. However, India's mobility system is complex, involving many stakeholders and interdependent parts.

This ambitious vision is certainly achievable if we create an ecosystem which helps all the stakeholders to contribute to this vision. A whole-systems approach can best address and exploit these diverse perspectives and deep relationships.

ElectroMobility India Summit 2017 aims to bring all stakeholders of the Electric Vehicle Ecosystem on a common platform to share, learn and discuss the opportunities and challenges in achieving vision 2030.

"E-vehicles need to be promoted in order to cut down the huge crude oil bill, reduce pollution and create cost effectiveness in transportation." Nitin Gadkari, Minister for Road Transport and Highways.

"We are going to introduce electric vehicles in a very big way. We are going to make electric vehicles self-sufficient... The idea is that by 2030, not a single petrol or diesel car should be sold in the country." Piyush Goyal, Former Minister for Power.

## 24th Nov 2017

08:30 AM Registration

09:15 AM Opening Session and Keynote Address

09:30 AM-09:45 AM

Presentations:  
Report on Current State of the Auto Industry & E-Vehicle Industry in India

09:45 AM-10:45 AM

Panel Discussion: India's Transportation Future & ElectroMobility

In the future, urban transportation is expected to be electric, autonomous, and on-demand. This is the vision that captures the major trends in mobility and is one that companies like Uber and Google already appear to be working toward. Wireless connectivity is a key building block technology for future where personal transportation transitions to mobility as a service. This type of connectivity is already central to Electric Vehicles, which have navigation systems that alert the driver to available charging stations and provide battery charge status updates. The convergence is also occurring between Electric Vehicle and shared mobility.

Discussion Topics

Envisioning the Future of India and the Transportation  
Digital India and Electric Vehicles

The Roadmap and the Vision 2030  
What after 2030? Are we planning for it

10:45 AM-11:15 AM

Networking Break

11:15 AM-11:30 AM

Keynote: Is India ready for Electric Vehicle? Questions to be Answered

11:30 AM-12:30 PM

Panel Discussion:  
Make in India vs Manufactured in India- How Industry is Gearing to Embrace the Change?

The Indian Auto Industry is one of the largest in the world. The industry accounts for 7.1 per cent of the country's Gross Domestic Product (GDP). But most of the auto-component players are focussed on plain vanilla manufacturing of components with limited focus on integrated system. Some of the critical components, especially for passenger cars segment such as engine, transmission, and electronic parts are still being imported. According to the Automotive Component Manufacturers Association of India (ACMA), during FY 2013-14, 21 percent of components were imported from China alone, and the rest from Germany, Japan and South Korea. Further, almost all Indian OEMs launch new models, but very few new launches can be considered as cutting edge next generation models.

Discussion Topics

Major Achievements and learning by the Auto Sector  
Steps for Electric Vehicle Transition

Near Term Focus for the Auto Sector  
Opportunities and Threats for New Players

12:30 PM-01:45 PM

Lunch

## Panel Discussion: The Electricity, the Grid and the Electricity Retailers 01:45 PM-02:30 PM

India is the fifth largest producer and consumer of electricity with a capacity of 302 Gigawatts (GW). It has become a power-surplus country this year with an energy surplus of 1.1% and a peak surplus of 2.6%. This would have been a remarkable feat but for the fact that almost 30 Crore people in the country are still waiting to harness the benefit of electricity. Due to reasons like breakdown of transformers, inadequate transmission capacity and distribution infrastructure, the engineers switch to power generation.

### Discussion Topics

- What's in for the Power Producers
- Creating a Reliable and Sustained Power Distribution System
- Integrating the on-grid systems

## Sponsored Session 02:30 PM-02:45 PM

## Panel Discussion: Battery and Charging Technologies 02:45 PM-03:45 PM

The battery market in India is projected to reach \$8.6 billion by 2022, on account of growing demand from automobile and industrial sectors. From plug-in hybrids to vehicles equipped with "start-stop" technologies, lead-acid batteries are most favoured by automakers for starting, lighting and ignition (SLI) functions. For high voltage "power assist" functions in hybrid electric vehicles, the nickel-metal hydride (NiMH) and Lithium-ion (Li-ion) systems are up to now the storage batteries of choice for automakers. However, Lithium-ion (Li-ion) batteries are sparse and expensive in India due to low domestic availability, absence of a domestic auto-battery market, and exclusion from manufacturing tax breaks.

### Discussion Topics

- Present and Future Powerbank Technologies
- Mining Lithium and Cobalt
- Battery Recycling and Waste Management
- Charging Technologies

## Networking Break 03:45 PM-04:15 PM

## Panel Discussion: From Oil to Electric. The Big Picture 04:15 PM-05:15 PM

The widespread adoption of Electric Vehicles (EVs) in place of Internal Combustion Engine (ICE) vehicles in India will have a significant impact on the macro-economic picture. It will impact government revenue, trade balance, energy infrastructure and also other aspects including jobs, education and research.

### Discussion Topics

- Investment
- Employment
- Other Industries
- Sustainability

## Closing Remarks

Checkpoint 2018- What Needs to be Achieved until ElectroMobility India Summit 2018?  
End of the 1st ElectroMobility India Summit 2017 05:15 PM

## WHO SHOULD ATTEND

### Auto Manufacturers

Two Wheeler  
Three Wheeler  
Cars  
Buses  
Trucks  
Heavy Machinery

### Auto Component Suppliers

Batteries  
Electric Motors  
Motor Controllers  
Breaking System  
Electric Diodes  
Charging Component

### The EV Enablers

Solar Charging Companies  
Power Manufacturers  
Power Transmission and Grid  
Power Distributors  
Financers and Banks  
Technology Investors

### User Group

Transport & Courier Fleet  
Tourist Buses  
SRTC  
Mini Buses Fleet/School Bus etc  
Taxi Fleet & Car Rental Fleet  
Auto Fleet  
E-Rickshaws Fleet  
E-Two Wheelers Fleet  
Private Vehicles  
Government Vehicles

### Other Stakeholders

Sustainability Experts  
Technical Experts  
Community  
Battery Recyclers

## WHAT TO EXPECT

State of the Art

R&D

How to Integrate EVs into Mainstream Transport?

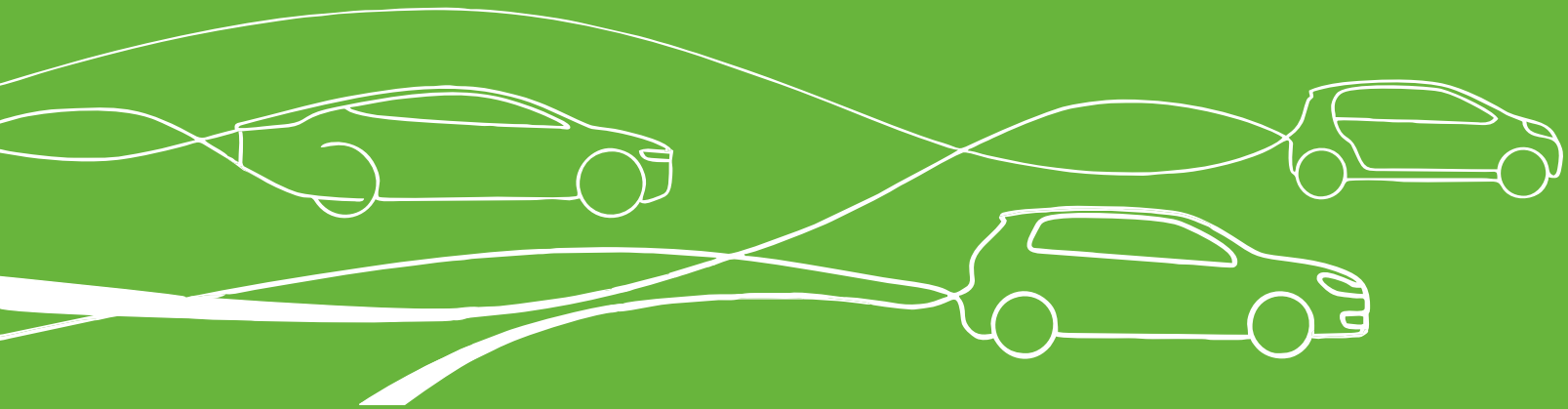
Infrastructure

Legal aspects

Policy and Economic Aspects

Challenges & Opportunities

How to Foster the Market to Take-off?



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