

Electromobility

A sustainable battery industry as an enabler of road transport decarbonisation

International
Energy Agency

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Developing a sustainable battery industry that can deliver on climate ambitions

Organised by IEA

Wednesday, 10 November 2021, 10.00-12.00, Korea Pavilion

The IEA's latest Global Electric Vehicle's Outlook projects over 120 million electric vehicles on the road by 2030 if stated government policies are implemented, translating to annual battery demand of 1.6 TWh. But for the world to be on a net-zero by 2050 pathway, over 6.5 TWh are needed by 2030. Therefore, decarbonising road transport calls for a battery manufacturing industry and related supply chains to expand very rapidly. This is not a simple task, and requires addressing several challenges, many of which can be best addressed by international cooperation. For instance, accelerated technological innovation is needed to make electrification viable across all road transport modes, and a reliable and sustainable battery supply chain must be developed even while satisfying rapidly growing demand. This event gathers stakeholders from across the world to showcase their strategies and their visions for the global battery industry. The objective of this event is to provide a platform for discussion on the challenges and opportunities that lie ahead for the battery industry with a focus on identifying what role governments can take to accelerate the development of a sustainable battery industry that lives up to these challenges; and to highlight the importance of international cooperation in this global challenge.

Agenda	
<i>Moderator</i>	Jinsun Lim, Energy Analyst, International Energy Agency (IEA)
10h00	Introductory remarks Tom Howes, Head of Division, International Energy Agency (IEA) Dan Dorner, Head of the Clean Energy Ministerial (CEM) Secretariat, Clean Energy Ministerial
10h25	Keynote speech by K-eco
<i>Participation</i>	Seoyoung Lim, Deputy General Manager / Advisor to UNFCCC Negotiation, Korea Environment Corporation(K-eco)
10h35	Batteries for electric vehicles as a key enabling technology for road transport decarbonisation.
<i>Participation</i>	Leonardo Paoli, Energy Analyst, IEA
10h45	Vision for sustainable battery industry: innovation and solutions
<i>Participation</i>	Frederic Hauge, President, BEBA and Founder of Bellona Foundation
10h55	Vision for sustainable battery industry, from an industry's perspective
<i>Participation</i>	Jihye Choi, Professional, LG Energy Solutions.
11h05	Europe's battery industry vision and challenges
<i>Participation</i>	Ilka von Dalwigk, Policy Manager, European Battery Alliance.



11h15	Opportunities for electric vehicles and battery industry from a South East Asian Perspective
<i>Virtual Participation</i>	Nuwong Chollacoop, Committee Member, Thailand Energy Storage Association
11h25	Moderated discussion and Q&A with the speakers
11h55	Closing remarks from Moderator