

Forum elektromobilita 2023

October 11–12 2023

FORUM KARLÍN

The Sixth Annual Conference on the
Present and the Future of Battery
and Hydrogen Elektromobility

www.forumelektromobilita.cz

HOSPODÁŘSKÉ NOVINY

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TECHNOLOGIES

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PARTNEŘI



Forum elektro**||||**obilita 2023

6th annual conference on the present and future of battery and hydrogen electromobility

**FIRST DAY OF THE CONFERENCE:
WEDNESDAY, 11 OCTOBER 2023, FORUM KARLIN**

The Electromobility Forum will be simultaneously interpreted into Czech/English
Online queries: sli.do event code: #emobcz, Event App: HN Events QR code:



Moderators:

Eva Srpová (Head of Automotive Editorial, Economia)
Martin Cmíral (Managing Director, LEEF Technologies)
Lukáš Folbrecht (Tajemník, Elektromobilní platforma)

8:30 - 9:00

Registration and welcome coffee

9:00 - 9:05

Introductory remarks by organizers

Jaroslav Mašek (Editor-in-Chief, Hospodářské noviny)
Martin Cmíral (Director, LEEF Technologies)

1. KEY NOTE SECTION: PERSPECTIVE OF ELECTROMOBILITY IN THE CZECH REPUBLIC

9:05 - 10:15

Panel discussion with introductory lectures: Perspective of electromobility in the Czech Republic from the viewpoint of the Ministry of the Environment and key market participants

Petr Hladík (Minister of the Environment, Ministry of the Environment, Czech Republic)

- Promotion of alternative fuels as one of the key factors for achieving sustainable development and climate protection goals
- National Clean Mobility Action Plan and its update
- Fleet renewal at the Ministry of Environment – we want to set an example

Pavel Cyrani (Vice-Chairman of the Board of Directors, Director of Sales and Strategy, ČEZ)

- Development of public infrastructure
- EV charging services
- Trends in customer needs

Martin Gajdoš (Strategy & Business Analysis Director, ORLEN Unipetrol)

- The future of low-emission mobility
- Hydrogen electromobility
- Battery electromobility

Jiří Maláček (Head of Sales and Marketing, Škoda Auto)

- The eMobility ecosystem
- The future of eMobility at Škoda Auto
- eMobility charging infrastructure in the Czech Republic

10:15 – 10:35

Introduction to the topics of the Electromobility Forum 2023

Zdeněk Petzl (Executive Director, Automotive Industry Association)

Martin Cmíral (Director, LEEF Technologies)

- Overview of current electromobility topics and introduction to the conference content

10:35 – 10:50

Coffee break

2. VEHICLES AND FLEETS

10:50 - 11:00

Electromobility in Czech fleets – version 2023

Petr Knap (Senior Advisor, Mobility, EY Czech Republic)

- Results of the 3rd EY Fleet Survey 2023
- Electric Vehicle Representation – Key No's/Advantages and Employee Perspectives
- Charging as a major limiting issue
- How to effectively manage the sensible electrification of the corporate fleet

11:00-11:40

Panel discussion: Development of the electric vehicle market in the Czech Republic

- How has the electric vehicle market shifted over the year? How does the electrification of fleets and the development of the secondary market look?
- Is electromobility a matter of life and death for the Czech (European) automotive industry?
- What does a typical fleet offering look like? Just vehicles and their financing? In combination with other products/services?
- What needs to happen for the electrification of fleets to become truly mass?

Vratislav Stražil (Managing Director, Volkswagen Financial Services CZ)

Martin Saitz (Managing Director, Hyundai Motor Czech)

Zbyšek Jordák (Head of Marketing, Kia Czech)

Miroslav Holan (Head of Strategy & Business Network Development CR, Škoda Auto)

Petr Knap (Senior Advisor, Mobility, EY Czech Republic)

11:40 – 12:00

E-mobility as a service in Czech Republic versus in Europe

Martin Brix (Managing Director, Drivalia Lease Czech Republic)

- How is e-mobility really doing in the Czech Republic compared to Europe?

- What products will Drivalia bring to the Czech market to support e-mobility?
- Where are the opportunities for innovation in financing products?

12:00-12:20

Development of the secondary market for electric vehicles

Jan Dedek (Electromobility Expert, AURES Holdings)

- What is the current state of the market and what to expect in the near future
- What the buyout/sale process looks like
- Verification of battery state of health, warranty and financing

12:20 – 12:40

EV technology MG

Robin Babický (Technical Director, AB MOTORS CZ)

- EV Modular Plattform (MSP)
- Battery
- Electric Drive

12:40 - 13:40

Lunch Time

13:40 – 14:10

Panel discussion: Financing electromobility

- How are electric cars financed? Is there any difference from internal combustion vehicles?
- What about warranties and insurance?
- What is the experience with battery life and how does that affect financing?

Jana Faltová (Business Performance Manager, Drivalia Lease Czech Republic)

Jan Pařízek (Head of Fleet and Remarketing, Volkswagen Financial Services CZ)

Vilém Sklenář (Sales Director, Leasing České spořitelny)

Tomáš Kadeřábek (Consultant, Arval CZ)

14:10 - 14:30

Shell and electromobility in the fleet segment

Eva Belák Heberová (Sales Director Shell Fleet Solutions, Czech and Slovak Republic)

- Electric mobility from the perspective of one of the largest global mobility providers
- Premium charging services
- Comprehensive solutions for the fleet segment

3. LEGISLATION AND SUBSIDIES

14:30 – 15:20

Panel discussion with introductory lectures: Overview of current and upcoming support programs and legislative measures

- State plans for the development of passenger and freight electromobility
- Current legislative topics
- Current and upcoming subsidy programs

Eduard Muřický (Deputy Minister, Ministry of Industry and Trade)

Jan Bezděkovský (Minister of Transport for Clean Mobility, Ministry of Transport of the Czech Republic)

Jaroslav Kepka (Head of the Department of Environmental Policy and Strategies, Ministry of the Environment)

4. THE PRESENT AND FUTURE OF EV CHARGING

15:20 – 15:40

Development of electromobility in Brno

Tom Kratochvíl (Head of Electromobility Department, Teplárny Brno)

- Presentation of a unique project to build a comprehensive network of public charging stations in Brno
- Building charging infrastructure in residential districts and housing estates
- Building quality infrastructure even in locations that are not yet economically beneficial

15:40 – 16:00

Development of electromobility in Prague

Daniel Mazur (Councillor for ICT, Smart City, Science, Research and Innovation, City of Prague)

- Current state and future of electromobility in Prague
- Concept of support for the development of public charging by the city
- Implementation of public charging support

16:00 - 16:15

Coffee Break

16:15 – 16:35

Urban charging infrastructure: Examples from the Netherlands

Matthijs Kok (Senior Policy Advisor/Project Manager, Municipality of Utrecht, Netherlands)

- In Utrecht, a city of 350.000 inhabitants, about 70 % of houses have no private parking and rely on public chargers
- The currently operational 3,200 public chargers will be increased to 5,700 AC and additional 500 DC chargers by 2025, to serve 25 thousand EVs
- To meet this demand Utrecht has developed a Plan Charging Infrastructure 2030 that will be presented

16:35 – 16:55

Facilitating reliable charging infrastructure with efficient power electronics

Ignacio Diaz (Business Director EV Charging, Huawei Digital Power Europe)

- Reliability of charging equipment as a key driver for better customer experience and satisfaction
- Higher power densities will increase delivered energy while reducing charging times and increase number of available chargepoints per site

16:55 – 17:25

Panel discussion: Development of charging infrastructure and services in the Czech Republic

- What's new in building public charging infrastructure? What are the trends in charging technologies and solutions?
- How are fast-charging hubs being built?

- Charging in buildings: what's new? Is interest in it growing? What is the state of fire regulations?

Tomáš Dzurilla (Emobility Director, ČEZ)

Martin Klíma (Managing Director, E.ON Drive Infrastructure CZ)

Libor Hladík (Head of E-Mobility, Pražská energetika)

17:25 – 17:45

Chargee Fleet – from charging infrastructure to driver services

Zdeněk Havelka (Group Executive Director, CPI Property Group)

Petr Brňák (Director, Chargee eMobility)

- Chargee eMobility - Connecting the world of electromobility
- Comprehensive fleet solutions
- Electrification of CPI Property Group's corporate fleet

17:45 – 18:05

Charging stations trends

Michal Fojtík (Operations manager, ELEXIM)

- A look behind the curtain of charging station production
- Implementation of new trends from a manufacturer's perspective
- Users and their requirements

18:05 – 18:10

Final summary

Presentation of partners (Forum Karlín)

The conference will also include presentations of vehicles from major automakers and other products and services for electromobility and the opportunity to test drive selected models.

18:10 – 20:30

Networking cocktail (Forum Karlín)

Forum elektro**mobilita** 2023

6th annual conference on the present and future of battery and hydrogen electromobility

**SECOND DAY OF THE CONFERENCE:
THURSDAY, 12 OCTOBER 2023, FORUM KARLIN**

The Electromobility Forum will be simultaneously interpreted into Czech/English
Online queries: sli.do event code: #emobcz, Event App: HN Events QR code:



Moderators:

Eva Srpová (Head of Automotive Editorial, Economia)

Martin Cmíral (Managing Director, LEEF Technologies)

Aleš Doucek (Chairman of the Board of the Czech Hydrogen Technology Platform (HYTEP))

8:30 - 9:00

Registration and welcome coffee

9:00 - 9:05

Introductory remarks by organizers

1. CURRENT TOPICS IN ELECTROMOBILITY

9:05 - 9:25

Electromobility and energy

Pavel Elis (Managing Director, Pražská energetika)

- Electromobility in Prague from the perspective of the municipal energy sector
- Development and operation of charging infrastructure
- The role of energy companies in the further development of electromobility

9:25 - 9:45

Batteries versus hydrogen: Those who are prepared are not surprised

Martin Peleška (General Manager, Toyota Central Europe – CZ)

- Batteries versus hydrogen: pros and cons, and what's new
- It is not wise to put everything on one card (batteries)
- How Toyota sees it

9:45 - 10:05

E.ON. Drive: Experience from Scandinavia

Martin Klíma (Managing Director, E.ON Drive Infrastruktura CZ)

- The view of the charging infrastructure operator
- New pricing models to increase charging station utilisation
- Barriers to the deployment of this service in the Czech Republic

10:05 – 10:25

Smart Charging: State of the play

Baerte de Brey (Chief International Officer, ElaadNL)

- European and national objectives
- Deployment and network integration plans
- How to overcome difficulties

10:25 – 10:45

Automotive industry transition to electromobility

Arun Rajeevan Krishnan (Managing Director, Vitesco Technologies)

- Driving into the world of electromobility: Our evolution from combustion production to electrification and clean mobility
- Innovation and technology as the moving force behind transformation
- Together towards a sustainable future

10:45- 11:00

Coffee break

11:00 – 11:20

Devil's invention: Why Czechs are afraid of electromobility and the future

Nikola Hořejš (Director of Research on International Issues, STEM Institute for Empirical Research)

- The public debate is full of fears about electromobility, even though most of society has not yet formed a firm opinion on this change
- What does a large-scale survey of attitudes about the Czechs and climate policy tell us about this?
- How do we push for big changes and why is it difficult in our country?

11:20 – 11:40

Digitisation and automation of product and service carbon footprint management

Pavel Štefek (Partner a Automotive Industry Leader, PricewaterhouseCoopers Czech republic)

- How to use technology effectively
- Effectively managing customer demand from a carbon footprint perspective
- Optimising the cost of compliance with legislation

2. ELECTRIFICATION OF FREIGHT TRANSPORT

11:40 – 12:00

Projection of electrification of heavy duty vehicles in the Czech Republic

Filip Vančura (Project Manager, LEEF Technologies)

- How fast the share of electric trucks will increase
- What kind of charging infrastructure it will need
- What is happening in neighbouring countries

12:00 – 12:40

Panel discussion: Challenges of freight transport electrification

- Is it conceivable that by 2030 there will be thousands of electric trucks in the Czech Republic? And where will they be recharged?
- Will there be enough suitable locations and power for truck electrification?
- How are retail chains and carriers preparing?

Aleš Willert (Vice-Chairman of the Board of Directors, CEO of C.S.CARGO Group)
Henning Häder (International Public Policy Manager – Sustainable Transportation, Amazon)
Jan Pihar (Chief Executive Officer and Chairman of the Management Board, DACHSER Czech Republic)
Tomáš Chmelík (Head of Implementation and Operation of Charging Stations, ČEZ)

12:40- 13:40

Lunch Time

13:40 - 14:25

Panel discussion with introductory lectures: Electric truck technology

- What electric trucks are currently available?
- What are their technical characteristics and how are they expected to evolve in the future?
- What about the price, will it go down significantly? And will there be enough vehicles for the Czech market?

Iveco Group Electromobility

Vladimír Šťastný (Product Manager CZ/SK, Iveco Group)

- Introducing Daily

Electromobility in the Daimler Truck concept

David Chleboun (Head of Product Management and Marketing, Daimler Truck CZ)

- Current product range in the Mercedes-Benz portfolio
- Fuso eCanter - new for the city
- eActros 600 - the new generation of battery-powered trucks

Volvo Trucks electromobility

Petr Jirásek (Electromobility Key Account, Volvo Trucks Czech Republic)

- Introduction of electrified models
- Benefits of operating electric truckk
- The future of freight transport

3. BATTERY BUSES

14:25 - 14:55

Panel discussion: Current development and status of the introduction of battery electric buses

- Trends and developments in the field of electric bus transport in the Czech Republic, EU directives and commitments in the field of electric buses
- Charging options for electric buses and suitability of their use
- Experience to date in vehicle operation and charging
- Financing and subsidy possibilities for the acquisition of vehicles and charging infrastructure

Martin Machek (Business Development Manager, ČEZ ESCO)

Radek Chobot (CEO, ARRIVA CITY)

Martin Janda (IROP Sustainable Mobility Priority Guarantor, Ministry of Regional Development of the Czech Republic)

4. HYDROGEN

14:55 – 15:15

The reality and potential of the hydrogen economy in the Czech Republic by 2030

Jan Sochor (Hydrogen Economy Development Specialist, Czech Hydrogen Technology Platform Hytep)

- Current status of planned or implemented projects in the Czech Republic (production, consumption)
- EU and Czech ambitions in renewable hydrogen production and consumption
- Where do we see hydrogen in the Czech Republic and Europe by 2030?

15:15 – 15:50

Panel discussion with introductory lectures: Hydrogen propulsion technologies

- How do fuel cell drives work? What further technological developments can be expected?
- Where are fuel cells more advantageous than batteries? Examples of projects
- What is the market for hydrogen propulsion? How fast is it developing? In which applications? Can we expect prices to come down?

Hyundai hydrogen fuel cell vehicles

Marek Trešl (Product and Marketing Director, Hyundai Motor Czech)

- Product news
- Interesting deployment case studies
- Plans and reality in the Czech Republic

Alan Celić (Vice President Powertrain Engineering in the Czech Republic, Bosch)

15:50- 16:05

Coffee break

16:05 - 16:40

Panel discussion with introductory lectures: Renewable hydrogen projects in the Czech Republic

- Examples of current "green" (renewable and low-carbon) hydrogen production projects that have been successful in subsidy programs
- How can we imagine the development of "green" hydrogen production and distribution in the Czech Republic: how, how much and when?
- How to provide "green" hydrogen in winter?
- What prices can be expected?

ORLEN Unipetrol and hydrogen mobility projects

Martin Růžička (Ředitel pro dekarbonizaci, ORLEN Unipetrol)

- Sustainability is a key component of ORLEN Unipetrol's strategy, and renewable hydrogen (not only) for mobility is an important point for meeting the objectives
- ORLEN Unipetrol will play an important role in the development of hydrogen in the Czech Republic, from production to final consumption
- Presentation of specific projects along the hydrogen chain and especially hydrogen mobility

Veolia's hydrogen plans in the Czech Republic

Miroslav Zajíček (Director of Strategy and Regulation, Veolia Energie ČR)

- Vozartek project in Frýdek Místek
- Hydrogen trains in Krnov
- Other projects under consideration

16:40 - 17:10

Panel discussion: Hydrogen trains in the Czech Republic and the intention of the Moravian-Silesian Region

- Plans of the Moravian-Silesian Region for the development of hydrogen trains and how does the Railway Administration see it?
- Where will the hydrogen come from, what infrastructure is needed?
- Experiences from hydrogen train operation abroad

Daniel Kurucz (Managing Director, Alstom Czech Republic and Slovakia)

Jiří Pavel (Director of Strategy, Správa železnic)

Daniel Minařík (Hydrogen Technology Officer, Moravian-Silesian Region)

17:10 - 17:30

Convincing results of four years of operation of hydrogen fuel cell buses in Dutch public transport

Jan van Beckhoven (CCO, HyMove B.V.)

- Reliability and availability
- Fuel consumption and total cost/km
- Lessons learned

17:30 - 17:35

Final summary