

EU ZERO EMISSION BUS CONFERENCE AGENDA

AGENDA:

TUESDAY 27TH NOVEMBER

Foyer, Flora Cologne, Cologne

09:00 - 09:30 30' **Coffee & Registration**

DAY 1 | SESSION 1 | WELCOME & INTRODUCTION | 09:30 – 10:50

Ballroom, Flora Cologne, Cologne

09:30-09:40	10'	<p>Welcome & Mayor's Address</p> <p>Henriette Reker, Mayor of Cologne</p>
09:40-09:50	10'	<p>Preparing for the Energy Transition: A Closer Look at North Rhine Westphalia</p> <p>Christoph Dammermann, State Secretary of Economy, Innovation, Digitisation and Energy of North Rhine-Westphalia</p>
09:50-10:00	10'	<p>Germany's Transition to a Zero Emission Mobility System</p> <p>Birgit Breitfuß-Renner, Head of directorate G2 (environment and noise protection), representing the Federal Ministry of Transport and Digital Infrastructure</p>
10:00-10:30	30'	<p>State of Play: Current Status and Prospects for Zero Emission Buses</p> <p>Nikolas Soulopoulos, Bloomberg New Energy Finance <i>Nikolas Soulopoulos, an expert on battery electric buses, will share his knowledge on battery electric buses currently operated in Europe.</i></p> <p>Bart Biebuyck, Director, Fuel Cell & Hydrogen Joint Undertaking <i>Bart Biebuyck as director of the FCH JU, the European funding agency for hydrogen and fuel cells, has the complete overview of all hydrogen bus activities in Europe.</i></p>
10:30 – 11:00	30'	<p>Are Zero Emission Buses Ready For Mass Market Production – A Technological Overview by Manufacturers</p> <p>Hans Bekkers, Business Development Manager Public Transport, VDL Bus & Coach bv</p> <p>Geert Van Hecke, Head of Sales Public Transport, Van Hool</p>
11:00-11:25	25'	Coffee break

DAY 1 | SESSION 2 | OPERATION & MAINTENANCE | 11:15 – 12:45

Ballroom, Flora Cologne, Cologne

11:25 – 11:35 10' **What Does the Data Tell Us About the Impact of Zero Emission Bus Deployment? A Summary**

Thinkstep, leader in Sustainability Performance Management, will show how the technology has evolved and is becoming mainstream.

Michael Faltenbacher, **thinkstep**

11:35 – 12:55 80' **Panel Session: The Impacts of Zero Emission Bus Deployment on Operation and Maintenance**

What can you learn from other cities experiences with zero emission buses?

Moderator: Umberto Guida, Director Research & Innovation, UITP

Josep Armengol Villa, **TMB**

Operator in Barcelona with extensive experience in operating battery electric buses.

Jörn Schwarze, **KVB**.

Operator in Cologne with eight battery electric buses operating daily scheduled services.

Marcin Sereczynski, **Luxembourg E-Bus Competence Center**

The E-Bus Competence Center, an initiative by Volvo, develops and implements smart E-mobility projects for cities.

G rard de Fleurieu, Vice-President Zero Emission Mobility **Michelin**

Aivars Starikovs, **Riga Satiksme**

Bus operator in Riga, Latvia operating 10 fuel cell buses.

Jens Conrad, **RVK**

Operator in the region of Cologne operating fuel cell buses on a daily basis.

Petra Piffer, **SASA**

Operator in Bolzano, Italy with 15 fuel cell buses.

DAY 1 | LUNCH | 12:45 – 14:00

Bistro & Orangery, Flora Cologne, Cologne

12:55 – 14:00 65' **Lunch Buffet & Exhibition**

See first hand the state of the art battery and fuel cell electric buses from Van Hool and VDL Bus & Coach bv, courtesy of RVK and KVB

DAY 1 | SESSION 3 | POLICY & PRACTICALITIES | 14:00 – 15:45

Ballroom, Flora Cologne, Cologne

14:00 - 14:15 15' **How is the European Commission Supporting Zero Emission Technologies?**

Maja Bakran Marcich, Deputy Director General, **Mobility & Transport, European Commission**

14:15 – 14:30 15' **Practicalities of Procurement**

Jos Sales, Vice President, **IRU**

14:30 – 15:45 75' **Panel Session: Creating Demand - Early Lessons from Implementing Zero Emission Policies and Procurement Guidelines in your City**

Moderator: Thorsten Herbert, NOW

Alix Butler (TBC), **Transport for London (TBC)**

London is a European leader in battery and fuel cell bus deployment. Close to 100 zero emission buses are currently in operation and the city has ambitious to revolutionise the procurement processes to secure further buses.

Heinrich Klingenberg, **hySOLUTIONS, representing the city of Hamburg**

The city of Hamburg will share their experiences of operating both fuel cell and battery buses.

Gerard Hellburg, **Transport Region Amsterdam (VRA)**

The region of Amsterdam is leading the way in battery bus procurement, with a fleet of over 100 already in operation.

Mikkel Krogsgaard Niss, **City of Copenhagen**

Copenhagen is currently test-driving batter electric buses. In 2019 Copenhagen will increase their electric bus fleet to 41.

Andreas Meyer, **City of Wuppertal**

Wuppertal is in the process of procuring a fleet of 20 fuel cell buses.

Nicolas Patriarche, **SMTU Pau**

The City of Pau in France has innovative plans, immersing their fuel cell buses into a complete transformation of the city centre.

15:45 – 16:15 30' **Coffee Break**

DAY 1 | SESSION 4 | AFFORDABILITY | 16:15 – 18:00

Ballroom, Flora Cologne, Cologne

16:15 – 16:30 15' **The Economics of Zero Emission Buses – Are They Affordable?**

Celine Cluzel, **Element Energy**

16:30 - 17:45 75'

Panel Session: Bringing the Cost Down - New Business and Financing Models

Expert panellists will discuss the support and mechanisms available to support affordable zero emission bus procurements in Europe.

Moderator: Lionel Boillot, FCH JU

The FCH JU provides support for the flagship hydrogen and fuel cell bus projects JIVE & JIVE 2.

Nicolas Pocard, Marketing Director **Ballard**

Leading global provider of innovative clean energy fuel cell solution

Frank Koch, **Energie Agentur NRW**

Service provider to the state of North Rhine-Westphalia in all matters relating to energy.

Neil Valentine, Head of Urban Mobility Division **European Investment Bank**

The European Investment Bank has a history of supporting ambitious transport projects.

Jacob Krogsgaard, Senior Vice President **Nel Hydrogen**

World leader in hydrogen infrastructure provision.

David Barnett, Business Development Director **Wrightbus**

Wrightbus produces battery electric buses and is the first manufacturer to produce fuel cell double decker buses.

17:45 – 18:00 15'

Closing Remarks Day 1

Valerie Bouillon-Delporte, President of the board **Hydrogen Europe**

END OF DAY 1 | CONFERENCE DINNER | 19:00 – 21:00

Sünner Brewery, Cologne; Sponsored by Linde & Michelin

19:00-21:00

120'

Networking & Dinner*

*A shuttle service will be arranged between the conference and dinner venues



WEDNESDAY 28TH NOVEMBER

Foyer, Flora Cologne, Cologne

09:00-09:30 30' **Coffee & Registration**

DAY 2 | SESSION 1 | GLOBAL PERSPECTIVES | 09:30 – 11:10

Ballroom, Flora Cologne, Cologne

09:30 – 09:40 10' **Welcome Address from Austria, Presidency of Council of the European Union**

Hans- Jürgen Salmhofer, Senior Expert E-Mobility
Austrian Ministry for Transport, Innovation & Technology

09:50 – 10:05 15' **What can Europe learn from the Asian zero emission bus markets?**

Speaker (TBC)

10:05 -10:20 15' **Zero Emission Bus Activity in the United States**

Dan Raudebaugh, Executive Director, **Center for Transport & Environment**

10:20-11:15 55' **Plans for large scale demand: Announcements & News**

In this session large scale deployments and big projects will be announced by major players. This will include among others:

- Supplying Amsterdam Airport – Transdev & City of Amsterdam
- Large scale deployment plans in Cologne and Germany – HyCologne
- Battery electric bus implementation – London
- REFHYNE: hydrogen production at scale - Shell

11:15-11:40 25' **Coffee Break**

DAY 2 | SESSION 2 | FUTURE PLANS: SCALING UP | 11:40 – 13:30

Ballroom, Flora Cologne, Cologne

11:40 – 12:20 40' **Bus Suppliers with big plans**

Global bus manufacturers share details of the zero emission bus options available to cities today.

Moderator: TBC

Daimler EvoBus
Irizar e-mobility
Safra
Solaris



Van Hool
VDL Bus & Coach bv
Volvo
Wrightbus
+ more to be confirmed!

12:20 – 13:20 60' **Panel Session: Practicalities of Infrastructure at Scale**
Can the infrastructure keep pace with the growing demand for zero emission buses?

Moderator: Ben Madden, Director Element Energy

Speaker TBD, **Engie**

Koen van Haperen, International Business Development Manager, **Heliox**

Graham Cooley, CEO, **ITM Power**

Ibon Cerro, Industrial Director, **JEMA Energy**

Markus Bachmeier, Head of Hydrogen Solutions, **Linde**

Speaker TBD, **McPhy**

13:20 – 13:30 10' **Closing Remarks**

Jorgo Chatzimarkakis, Secretary General **Hydrogen Europe**

LUNCH & CONFERENCE END | 13:30 – 15:00

Bistro & Orangery, Flora Cologne, Cologne

13:30 -15:00 90' **Lunch Buffet & Exhibition**

15:00

END OF EVENT
