

10th VDV Conference

Electric Buses – Market of the Future! ElekBu 2019

5–6 February 2019 in Berlin

10 years

MAIN TOPICS

- Framework conditions, environmental protection
- Financing and support programme
- Design of depots and workshops
- Intelligent charging infrastructure
- Field reports from public transport companies
- Development of the battery technology
- Standardisation

www.ebuskonferenz.de

ElekBu 2019
Electric Mobility Trade Fair

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10th anniversary of the VDV Electric Bus Conference Electric Buses – Market of the Future



Ten years ago, the founders of our Electric Bus Conference had a good idea: If we want to make the novel electric bus technology socially acceptable, we have to move it from the scientists' research centres to the public transport sector and to discuss its prospects within public transport in Germany as well as the challenges arising with the introduction of electric buses with representatives from the public transport sector. Certain terms should not be used too often, but from today's point of view this idea, which finally led to Germany's biggest conference on electric buses, was absolutely visionary.

Unlike ten years ago, nobody now doubts that it is meaningful to operate electric buses within public transport. The former "Market of the Future" with its imponderability has been a "Market of the Presence" for quite some years now. At present, about 50 German public transport companies test or operate electric buses in line service. And that's only the beginning: More and more VDV member companies organise themselves in a nationwide procurement initiative to purchase big batches of electric buses in the next few years. Meanwhile, the manufacturers have also got good vehicle portfolios (as regards the German market one is tempted to say "finally"!): Step by step, going by bus gets electric in Germany. And that's an important development in view of the challenges that the public transport sector faces with the impending bans on driving diesel-powered vehicles in many cities.

Electric mobility, and that is far more than electric buses, is a way of realising the zero-emission mobility, which is a worldwide objective according to the Paris Agreement on Climate Change. Quickly changing political, social and ecological conditions are a big challenge to the transformation of the transport sector. Therefore, it is still important after these ten years – perhaps more than ever – that representatives of the public transport sector meet decision-makers from policy and representatives from industry and exchange experience

with them to further improve and promote the young electric bus technology. The original subjects are not today's subjects, but there are still many open questions: How can public transport, and especially the bus, contribute even more to achieving the environmental and climate change objectives and which further solutions can it realise? Which steps have to be taken to further improve electric buses? When can a full-scale production of electric buses begin? Which financing models exist? How can we succeed in transforming transport so that more mobility can be realised with environmentally friendly transport modes?

I look forward to discussing the answers to the most important questions on electric buses within German public transport with you at our next VDV Electric Bus Conference, which will be the biggest ever, and at the parallel ElekBu trade fair. As already mentioned, it is the tenth time that we meet in this way and, therefore, we do not only want interesting discussions at this year's conference, but also to celebrate this anniversary with you in the form of an informal anniversary celebration, to which I also cordially invite you.

Conference languages

German and English (simultaneous translation)

Your moderator



Martin Schmitz
Managing Director, Engineering Business
Unit, Association of German Transport
Companies (VDV)
Forum für Verkehr und Logistik e.V.

Photo: Forum für Verkehr und Logistik e.V.

An event organised by:

10th VDV Electric Buses Conference - Market of the Future!

Programme - Tuesday, February 5, 2019

9:00 Admission and registration

10:00 Welcome, Association of German Transport Companies (VDV)

10:05 Opening speech by the Association of German Transport Companies (VDV)
Ingo Wortmann, President of the VDV

Thematic block: Political and social framework conditions

10:15 Opening lecture by the German Federal Ministry of Transport and Digital Infrastructure (BMVI)
State Secretary Dr. Gerhard Schulz, German Federal Ministry of Transport and Digital Infrastructure

10:30 Introductory key-note
Christian Hochfeld, Managing Director, Agora Verkehrswende

10:50 Federal funding programme
Dr.-Ing. Klaus Bonhoff, Spokesman of the Management of NOW GmbH, National Organisation Hydrogen and Fuel Cell Technology

11:00 Panel discussion and Q&A session concerning the challenges with the realisation

12:00 Opening of the trade fair | trade fair tour | lunch break

Thematic block: Depot design, charging management and power supply

13:30 Introduction of an intelligent availability system for electric buses – Example of the Hamburger Hochbahn
Johanna Ahrens, expert for the depot management system and for the load and charging management system, Hamburger Hochbahn

13:45 Shifting KVB's bus fleet to electric drives
Jörn Schwarze, Board Member, Kölner Verkehrs-Betriebe AG

14:00 Shifting to electric drives at Mainzer Mobilität in consideration of the local power supply and the integrated energy
Björn Kalter, Mainzer Verkehrsgesellschaft mbH

14:15 Experience with fleet transition and depot reconstruction as well as the further development
Toralf Müller, Director, Verkehrsbetriebe Hamburg-Holstein GmbH

14:30 Presentation of the electric bus strategy of the Berliner Verkehrsbetriebe (BVG)
Torsten Mareck, Manager of the Bus Department, Berliner Verkehrsbetriebe AöR

14:45 Discussion and questions

14:50 Coffee break at the trade fair

An event organised by:

10th VDV Electric Buses Conference - Market of the Future! Programme - Tuesday, February 5, 2019

Thematic block: Exchange of experience among the public transport companies

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|--------------|---|
| 16:25 | Interactive lectures by public transport companies |
| 16:30 | Rhein-Neckar-Verkehr GmbH Stefan Prüfer, Product Management/Corporate Development, Rhein-Neckar-Verkehr GmbH |
| 16:40 | Göttinger Verkehrsbetriebe GmbH Thomas Zimmermann, Operating Manager, Göttinger Verkehrsbetriebe GmbH |
| 16:50 | Stadtwerke Osnabrück AG Prof. Dr. jur. Stephan Rolfes, Board Member, Stadtwerke Osnabrück AG |
| 17:00 | ESWE Verkehrsgesellschaft mbH Frank Gäfgen, Managing Director, ESWE Verkehrsgesellschaft mbH |
| 17:10 | Kraftverkehrsgesellschaft mbH Braunschweig Axel Gierga, Managing Director, Kraftverkehrsgesellschaft mbH Braunschweig |
| 17:20 | Münchner Verkehrsgesellschaft mbH (MVG) Alexander Wolf, Transport Division, Stadtwerke München GmbH |
| 17:30 | Flixbus N.N. |

Thematic block: Development of the batteries

| | |
|--------------|--|
| 17:40 | Battery technology trends Lithium Ion in rapid transformation. Prices, manufacturers and new technological developments. Nächste Schritte von der Zelle zum Batteriesystem Sven Bauer, CEO, Batterien-Montage-Zentrum GmbH (BMZ) |
|--------------|--|

18:00 End of day 1

ab 19:00 Dinner in the trade fair area with networking

Your speakers

Johanna Ahrens

Hamburger Hochbahn

Sven Bauer

Batterien-Montage-Zentrum GmbH (BMZ)

Dr.-Ing. Klaus Bonhoff

NOW GmbH, Nationale Organisation Wasserstoff- und Brennstoffzellentechnologie

State Secretary Jochen Flasbarth

Federal Ministry for the Environment, Nature Conservation and Nuclear Safety

Frank Gäfgen

ESWE Verkehrsgesellschaft mbH

Axel Gierga

Kraftverkehrsgesellschaft mbH Braunschweig

Thomas Hablützel

Verkehrsbetriebe Zürich

Dieter Hanke

Omnibusspiegel

Christian Hochfeld

Agora Verkehrswende

Victor Hug

Movia Public Transport

Björn Kalter

Mainzer Verkehrsgesellschaft mbH

Kirsten Krämer

Omnibusspiegel

Claire Mann

Transport for London

Torsten Mareck

Berliner Verkehrsbetriebe AöR

Ulf Middelberg

Leipziger Verkehrsbetriebe (LVB) GmbH

Toralf Müller

Verkehrsbetriebe Hamburg-Holstein GmbH

Stefan Prüfer

Rhein-Neckar-Verkehr GmbH

Prof. Dr. jur. Stephan Rolfes

Stadtwerke Osnabrück AG

Univ.-Prof. Dr. rer. nat. Dirk Uwe Sauer

Institute for Power Electronics and Electrical Drives (ISEA), RWTH Aachen University

Martin Schmitz

Association of German Transport Companies (VDV)

State Secretary Dr. Gerhard Schulz

German Federal Ministry of Transport and Digital Infrastructure

Sven Schulz

AKASOL AG

Jörn Schwarze

Kölner Verkehrs-Betriebe AG

Robert Sonnenschein

REMONDIS Industrie Service GmbH & Co. KG

Gustav Tuschen

EvoBus GmbH

Alexander Wolf

Stadtwerke München GmbH

Ingo Wortmann

Association of German Transport Companies (VDV)

Thomas Zimmermann

Göttinger Verkehrsbetriebe GmbH

10th VDV Electric Buses Conference - Market of the Future! Programme - Wednesday, February 6, 2019

8:30 Welcome, Association of German Transport Companies (VDV)

8:35 Lecture by the Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)
State Secretary Jochen Flasbarth, Federal Ministry for the Environment, Nature Conservation and Nuclear Safety

Thematic block: Development of batteries

8:55 State of the battery technology / battery market
Prof. Dr.rer.nat. Dirk Uwe Sauer, Institute for Power Electronics and Electrical Drives (ISEA), RWTH Aachen University

9:15 Development of batteries in Germany
Sven Schulz, Principal Stockholder and CEO, AKASOL AG

9:30 Second-life applications and battery recycling in Germany
Robert Sonnenschein, Managing Director, REMONDIS Industrie Service GmbH & Co. KG

Thematic block: Electric buses

9:45 The answer to emission-free mobility – The e-Citaro
Gustav Tuschen, Manager of the Development Department, EvoBus GmbH

10:00 Overview of the offers and the technical concepts
Dieter Hanke und Kirsten Krämer, Omnibusspiegel

10:15 Discussion and questions

10:20 Coffee break at the trade fair

11:20 Boulevard of ideas - Presentation of ideas by the industry - Part I
New ideas by the industry, short presentations at the trade fair.
The exact presentations are listed in the separate thematic overview.

12:20 Lunch break at the trade fair

13:20 Boulevard of ideas - Presentation of ideas by the industry - Part II
New ideas by the industry, short presentations at the trade fair.
The exact presentations are listed in the separate thematic overview.

14:20 Coffee break at the trade fair

Thematic block: International experience

15:05 Field report from London
Claire Mann, Director of Bus Operations at Transport for London

15:20 Field report from Zurich
Thomas Hablützel, Manager of the Market Development Department, Verkehrsbetriebe Zürich

15:35 Field report from Denmark
Victor Hug, Project Manager, Movia Public Transport

15:50 Résumé of the event

16:00 End of the conference

Registration

E-mail: hewing@vdv.de

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10th VDV Academy Conference Electric Buses - Market of the Future!

5-6 February 2019 in the Estrel Congress Center Berlin

Please send your registration form by
15 January 2019 by post, e-mail or fax to:



VDV-Akademie GmbH
Kamekestr. 37-39
50672 Köln
Germany

First name _____ Last name _____

Position _____

Company _____

Street and house number _____

Postal code _____ Town _____

Phone _____ Fax _____

E-mail _____

Invoice address (exact data, if different from above address) _____

VAT Id. No. (for registrations from abroad) _____

Date and signature _____

Venue:

ESTREL BERLIN

Sonnenallee 225

12057 Berlin, Germany

The price for overnight stay incl. breakfast in a single room amounts to 139.00 €.

Room reservation:

Please reserve a room for me
from _____ to _____

No room reservation for me

Participation fee:

895.00 € plus VAT. Employees from companies with a VDV Academy Card only pay 766.00 € plus VAT. Training vouchers from the VDV Academy are creditable.

Registration deadline:

15 January 2019

Registrations will be processed in the order in which they arrive. In case of cancellation after the registration deadline up to one week before the event 50 % of the participation fee and any hotel costs are billed. Refund is not possible in the last week before the event. Cancellations are to be made in writing. Of course, it is possible to send a substitute.

Billing by VDV Akademie GmbH:

The registration fee will be invoiced upon receipt of the registration form.

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We look forward to welcoming you!

Your VDV Academy

Data privacy request

Your data will be used by the VDV Academy for the organisation of the event. The complete data privacy statement is found under <https://www.vdv-akademie.de/datenschutz/>.

You can revoke your consent anytime by mail to akademie@vdv.de.

I accept publication of my contact data in the list of participants of the event

yes no

Please inform me on events and products offered by the VDV-Academy.

yes no

During the event we record images and sounds, which will be used in reports on the event or to promote the service offer of the VDV Academy.