



12th VDV Electric Buses Conference and exhibition ElekBu

Mobility of the Future

16-17 March 2021 · Digital

- Political and social framework
- Sector coupling and hydrogen
- Field reports from public transport companies
- Depot designs
- Power supply and charging management
- Battery development and battery handling



Employee Training E-Mobility

Charge Management

Battery Development Hydrogen

12th VDV Electric Buses Conference and exhibition ElekBu

Mobility of the Future

The bus market is facing radical restructuring. The EU and the federal government push the change forward. Their goal: to make tomorrow's mobility fossil-free. To this end, various instruments, regulations and laws are currently being modified at the same time. As the technical development advances rapidly, the transport companies are forced to make substantial and long-term investments with uncertainty. Plus, the unanswered question of how to react to the national implementation of the Clean Vehicles Directive. One thing is clear: the decade of the e-bus - whether battery-electric or fuel cell - has begun.

As a result, transport companies have to make many fundamental decisions. The procurement of new buses is not enough: For the conversion to electrical energy in the form of a battery or hydrogen, new systemic approaches are necessary: tank and charging concepts, depot design, parking and IT systems for disposition taking into account the range or Tank and loading capacities must be designed. New space has to be found, new security areas have to be designated, the staff has to be retrained. It is therefore time to exchange experiences on operational and technical implementation, the latest developments, successfully introduced processes - perhaps also errors - as well as further training for employees and other topics. The ElekBu offers exchange opportunities with manufacturers and service providers and shows the potential of current and new technology and concepts.

The publication of the federal funding program for the procurement of e-buses is expected in January, immediately before the VDV electric bus conference and the exhibition ElekBu: a volume of up to 800 million euros is available for the period up to 2024. The program intends to provide funding of 80 percent of the additional costs of vehicles and 40 percent of the infrastructure - which can be combined with state subsidies. In order to make the right decisions about the system change and to learn from each other in the industry, the exchange of experiences is now crucial.

Our combined event offers the ideal environment to find the right technology and associated funding programs for your own company.

THE PROGRAM

Live stage March 16, 2021

09:00

Opening of reception, exhibition and the matchmaking

Focus on political and social framework conditions

10:00

Greetings from the organizers

Martin Schmitz, Managing Director Technology, Association of German Transport Companies (VDV) and Executive Chairman of Forum for Transport & Logistics

10:05

Greetings

Ingo Wortmann, President of the Association of German Transport Companies (VDV)

10:15

Title follows

EU commission (inquired)

10:25

Opening lecture

Sate Secretary Dr. Tamara Zieschang, Federal Ministry of Transport and Digital Infrastructure

10:45

Greetings

Cem Özdemir MdB, Chairman of the Committee on Transport and Digital Infrastructure, German Bundestag (inquired)

11:10

Keynote: Future of Electric Drives

Prof. Dr. Manfred Schrödl, Institute board, Institute for Energy Systems and Electrical Drives, TU Wien

11:30

Greetings

Kurt-Christoph von Knobelsdorff, Managing director, NOW GmbH

11:40

The VDV Bus Study - Decade of the Bus

Christiane Henrich-Köhler, Senior Managerin Infrastructure & Mobility, PricewaterhouseCoopers GmbH

12:00

Lunch break with a visit to the exhibition, networking via the networking tools and product presentations

Stream March 16, 2021

Focus on generation, transport, storage, depot design, petrol station

11:30

Local hydrogen production

Conrad Tschersich, Managing Director AWG Abfallwirtschaftsgesellschaft mbH Wuppertal (inquired)

11:45

Green hydrogen / Production costs and uses

Tilo Vogdt, Authorized officer, WV Energie AG

12:00

Storage and transport of hydrogen in LOHC

Dr. Marcus Guzmann, CSO Chief Sales Officer, Hydrogenious LOHC Technologies GmbH

12:15

Fuel cell technology as an alternative in public transport concepts

Alexander Bunzel, VCDB VerkehrsConsult Dresden-Berlin GmbH

12:30

Challenges in H2 refueling in heavy-duty applications (bus)

Markus Wiedemann, Head of the Automotive Division, Stuttgarter Straßenbahnen AG

12:45

Fuel Cell Electric Buses - a solution with many advantages for zero-emission public transit

Oben Uluc, Sales Director, Ballard Power Systems Inc.

13:00

Speakers Corner:

Conrad Tschersich

13:15

Boulevard of Ideas

13:30

Boulevard of Ideas

13:45

Boulevard of Ideas



#VDVElektrobusse
#ElekBu

You can find more information about the conference here:

<https://www.ebuskonferenz.de>

THE PROGRAM

Live stage March 16, 2021

Focus on charging management and energy supply

13:00

The Berlin way

Dr. Rolf Erfurt, Board member operations, Berliner Verkehrsbetriebe AöR (inquired)

13:15

Charging infrastructure and provider of depot visualization and load and charging management

Thomas Volk, Managing Director, Stromnetz Hamburg GmbH

13:30

Cloud-based smart grid solution

Alexander Wolf, Stadtwerke München GmbH

13:45

The change of a bus depot to an e-bus depot

Wolfgang Reitmeier, Head of Departments and Workshops, Electromobility, Association of German Transport Companies (VDV)

14:00

Energy supply for depots

Andreas Laske, Mobility Division, Siemens AG (inquired)

14:15

Speakers Corner:

N.N.

Coffee break with a visit to the exhibition, networking via the networking tools and product presentations

Focus on battery technology - operational experience

15:30

Market overview

Dieter Hanke and Kirsten Krämer, Omnibusspiegel

15:45

The eCitaro - introduction of technology and vehicle variants

Daniel Vorgerd, Head of High Voltage System Application, Daimler Buses

16:00

Findings from the SUVEREN project - Effects on the e-bus industry

Lukas Fast, FOGTEC Brandschutz GmbH

16:15

BOB - Battery trolleybus in Solingen

Adrian Dogge, Stadtwerke Solingen GmbH

16:30

Speakers Corner:

Dieter Hanke and Kirsten Krämer, Omnibusspiegel

Stream March 16, 2021

14:00

The colors of hydrogen

Marcel Corneille, Managing Director, EMCEL GmbH

14:15

Operating experience with the largest H2 bus fleet in Germany

Dr. Marcel Frank, Managing Director, Regionalverkehr Köln GmbH

14:30

DB subsidiary Autokraft - experience with the use of H2 buses

Christopher Alting, Head of Production Bus Division, DB Regio AG

14:45

Boulevard of Ideas

15:00

Speakers Corner:

Dr. Marcel Frank, Managing Director, Regionalverkehr Köln GmbH

Focus on battery technology - operational experience

15:00

Boulevard of Ideas

15:15

The new e-CITEA

Boris Höltermann, VDL Bus & Coach Deutschland GmbH

15:30 Uhr

Efficient operation despite electric buses

Matthias Rogge, Managing Director, ebusplan GmbH

15:45

We electrify the city!

Christoph Scholz, Head of automotive engineering and Lukas Lexy, Head of maintenance projects and deputy operations manager on German Ordinance on the Construction and Operation of Rail Systems for Light-Rail Transit / German Federal Regulations on the Operation of Motor Transport Companies for Passenger Services, BOGESTRA AG

16:00

Speakers Corner:

N.N.

Coffee break with a visit to the exhibition, networking via the networking tools and product presentations

THE PROGRAM

Live stage March 16, 2021

16:30

Coffee break with a visit to the exhibition, networking via the networking tools and product presentations

17:30

Status of the conversion of the KVB bus fleet
Jörn Schwarze, Member of the Board,, Kölner Verkehrs-Betriebe AG

17:40

Boulevard of Ideas

17:50

Kiel charged up
Dr. Stephan Nahmer, Member of the Executive Board, SBRS GmbH and Thomas Mau, Head of Operations and Technology / Authorized officer, KVG Kieler Verkehrsgesellschaft mbH

18:00

E-buses - how far can we get?
Elke Maria van Zadel, Head of Technology, IT and Infrastructure, ÜSTRA Hannoversche Verkehrsbetriebe AG and Managing Director, regiobus Hannover GmbH

18:10 - 20:00

Virtual get together in the matchmaking tool
Visit of the exhibition (appointment required)

Live stage March 17, 2021

Focus on Battery developments

8:30

Greetings
Werner Overkamp, Vice President of the Association of German Transport Companies (VDV) and Chairman of the Board of Directors BUS

8:35

Lecture by the Federal Environment Ministry
State Secretary Jochen Flasbarth, Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (inquired)

8:50

Current status of developments in battery technology / battery market
Prof. Dr. Dirk Uwe Sauer, Institute for Power Electronics and Electrical Drives, ISEA / RWTH Aachen

09:10

Battery technologies for commercial applications of the future - what options are in store for us
Sven Schulz, CEO AKASOL AG

Stream March 16, 2021

International experience reports

Moderation: Arno Kerkhof, Head of Bus Transport Unit, K&I, UITP (The International Association of Public Transport)

16:30

Title follows
RATP (inquired)

16:45

Title follows
Christophe Martin, GROUPE TEC Belgium

17:00

Title follows
Lidia Leon, Head of Service, EMT Madrid

17:15

Title follows
Slobodan Misanovic, Projektmanager, GSP Beograd

17:30

Title follows
Bob Blitz, Bus Network Planning Manager, Transport for London

17:45

ASSURED Project
Aida Abdulah, Senior Project Manager, UITP (The International Association of Public Transport)

18:00

Title follows
SEMITAN FRANCE, Nantes (angefragt)

18:10 - 20:00

Virtual get together in the matchmaking tool
Visit of the exhibition (appointment required)

THE PROGRAM

Live stage March 17, 2021

09:25

Microvast Sustainable Battery Solutions Tailored for Smart Cities

Sascha Kelterborn, Senior Vice President, Microvast, Inc.

09:40

Environmentally friendly recycling of lithium-ion batteries

N.N.

09:55

Fire protection for battery buses

Prof. Dr. Roland Goertz, Head of the Chair for Chemical Safety and Fire Protection, Bergische Universität Wuppertal

10:15

Speakers Corner:

N.N.

Coffee break with a visit to the exhibition, networking via the networking tools and product presentations

Focus on depot design / charge management and heating / air conditioning / ventilation

11:35

Future of the sustainable transport

Erhan Eren, Business Director Deutschland, Österreich und Schweiz, Iveco Magirus AG

11:45

Experience with management systems

Toralf Müller, Managing Director, Verkehrsbetriebe Hamburg-Holstein GmbH

12:00

Electromobility in the depot

Maximilian Haag, Sales Manager Electromobility, CarMedialab GmbH

Stefan Tintera, Product manager electromobility, initperdis GmbH

12:10

E-bus operation in Münster since 2016 - experiences, challenges and opportunities

Eckhard Schläfke, Operations manager for transport operations, Stadtwerke Münster GmbH

12:30

Boulevard of Ideas

12:45

Speakers Corner:

N.N.

Lunch break with a visit to the exhibition, networking via the networking tools and product presentations

Stream March 17, 2021

Topic block depot design / charge management and heating / air conditioning / ventilation

10:30

Boulevard of Ideas

10:40

Boulevard of Ideas

10:50

Boulevard of Ideas

11:00

Boulevard of Ideas

11:10

Boulevard of Ideas

11:20

Speakers Corner:

N.N.

Lunch break with a visit to the exhibition, networking via the networking tools and product presentations

Focus on processes and system selection

12:50

System selection decision-making process

Dr. Michael Faltenbacher, Team Lead Transport and Mobility, thinkstep AG

13:00

Decision-making process on the way to e-mobility

Janine Mielzarek, Authorized officer electromobility and new mobility, Offenbacher Verkehrs-Betriebe GmbH

13:15

Extract from many years of e-mobility experience and its success factors in partnership with a well-known operator from Göteborg

Marie Carlsson, Director Business Solutions, Volvo Bus Corporation

13:30

The importance of vehicle data for the efficient control of the depot and loading processes

Eric Nöh, Head of Sales Public Transport, PSI Transcom GmbH

13:45

Boulevard of Ideas

THE PROGRAM

Live stage March 17, 2021

14:15

ABB charging solutions for the sustainable reduction of emissions in local public transport
Christof Kunze, Produkt Manager HVC, ABB AG

14:25

Boulevard of Ideas

14:35

Autonomous and electric through the city: new solutions from ZF

Jochen Benz, Head of Key Account Management and Business Development, ZF Mobility Solutions GmbH and Bernd Wachter, Commercial Vehicle Technology - Director Sales Europe, ZF Friedrichshafen AG

14:45

New depot and charging infrastructure
Mark Hogenmüller, Managing Director / Operations Manager, Reutlinger Stadtverkehr RSV Service GmbH

15:00

Boulevard of Ideas

Focus on Assistance with the introduction of e-mobility

15:15

VDV activities to define the vehicle data set
Minh-Thuy Truong, Head of the automotive department, Association of German Transport Companies (VDV)

Tax aspects of e-mobility (energy storage, recovery, etc.)
Petra Maring, Head of Tax Department, Association of German Transport Companies (VDV)

15:25

Insurance requirements for loading and parking
N.N.

15:35

Sustainable procurement for battery buses
Janina Heel, Sustainability Management Officer, Hamburger Hochbahn AG

15:45

Requirements for training for workshop employees
Rico Seipel, Project manager e-mobility, Dresdner Verkehrsbetriebe AG

16:00

End of the conference

Until 17:00

Visit to the exhibition (appointment required)

Stream March 17, 2021

14:00

Speakers Corner:
N.N.

Lunch break with a visit to the exhibition, networking via the networking tools and product presentations

Focus on Assistance with the introduction of e-mobility

15:15

Retrofitting instead of buying a new one - conversion from diesel to electric buses
Harald Ludescher, Sales Manager, Ziehl-Abegg Automotive GmbH & Co. KG

15:25

Our way to regular service with electric buses in Leipzig
Torsten Schmidt, Project manager for electric buses, Leipziger Verkehrsbetriebe (LVB) GmbH

15:35

New version of VDV publication 260 charging infrastructure for electric buses
Eberhard Nickel, Chairman of the VDV Committee for Electrical Energy Systems (AEE), Leipziger Verkehrsbetriebe (LVB) GmbH

15:45

Carefree operation of the E-bus depot - thanks to VDV 463 and vCharM
Rebekka Haisch, Product Management Expert, Vector Informatik GmbH

16:00

End of the conference

Until 17:00

Visit to the exhibition (appointment required)

OUR MODERATION

Martin Schmitz

Managing Director Technology, Association of German Transport Companies (VDV)
and Chairman of the Forum for Transport and Logistics

Reiner Bieck

DEVK Versicherungen

Arno Kerkhof

UITP (The International Association of Public Transport)

Minh-Thuy Truong

Association of German Transport Companies (VDV)

Wolfgang Reitmeier

Association of German Transport Companies (VDV)

OUR SPEAKERS

Aida Abdullah

UITP (The International Association of Public Transport)

Christopher Alting

DB Regio AG

Jochen Benz

ZF Mobility Solutions GmbH

Bob Blitz

Transport for London

Alexander Bunzel

VCDB VerkehrsConsult Dresden-Berlin GmbH

Marie Carlsson

Volvo Bus Corporation

Marcel Corneille

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State Secretary Jochen Flasbarth

Federal Ministry for the Environment, Nature Conservation
and Nuclear Safety

Prof. Dr. Roland Goertz

Bergische Universität Wuppertal

Dr. Marcus Guzmann

HYDROGENIOUS LOHC TECHNOLOGIES GmbH

Maximilian Haag

CarMedialab GmbH, a company of INIT group

Rebekka Haisch

Vector Informatik GmbH

Dieter Hanke

Omnibusspiegel

Janina Heel

Hamburger Hochbahn AG

Christiane Henrich-Köhler

PricewaterhouseCoopers GmbH

Mark Hogenmüller

Reutlinger Stadtverkehr RSV Service GmbH

Boris Höltermann

VDL Bus & Coach Deutschland GmbH

Sascha Kelterborn

Microvast, Inc

Dr. Volkhardt Klöppner

üstra Hannoversche Verkehrsbetriebe AG

Kurt-Christoph von Knobelsdorff

NOW GmbH

Kirsten Krämer

Omnibusspiegel

Christof Kunze

ABB AG

Andreas Laske

Siemens AG

Lidia Leon

EMT Madrid

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BOGESTRA AG

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Dr. Jan Marien
Isabellenhütte Heusler GmbH & Co. KG

Petra Maring
Association of German Transport Companies (VDV)

Christophe Martin
GROUPE TEC Belgien

Thomas Mau
KVG Kieler Verkehrsgesellschaft mbH

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Cem Özdemir MdB
German Bundestag

Matthias Rogge
ebusplan GmbH

Prof. Dr. Dirk Uwe Sauer
ISEA / RWTH Aachen

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TU Wien

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BOGESTRA AG

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