



4th Annual Conference on

CLEAN BUSES IN EUROPE

September 28-29, 2021 | 9:30 to 16:00 Central European Time (CET)

A VIRTUAL EVENT

Hosted by:

Global **Mass Transit**

Sponsors:



BACKGROUND

The deployment of clean buses, especially zero-emission buses, is advancing at a faster than anticipated rate in Europe to meet the decarbonisation goals of the region. Supported by the European Commission (EC), cities across the continent have drafted policies and strategies, as well as procured and deployed a large number of battery-electric and fuel-cell buses following the launch of the European Clean Bus Deployment initiative in 2017.

The EC has also continued to advance the clean bus agenda through the revision of the Clean Vehicles Directive (2019), the upcoming revision of the Directive on Alternative Fuel Infrastructure (2021), the launch of the European Green Deal (2019) and the release of the Sustainable and Smart Mobility Strategy (2020). Further, the EC has strengthened its focus on developing alternative fuel infrastructure, electric vehicles and hydrogen technology in its proposed recovery plan for Europe in response to the Covid-19 pandemic.

Despite the guidance available and the progress made over the years, transport agencies continue to face multiple challenges while transitioning towards clean-fuel buses, especially zero-emission buses. There are questions about the most appropriate fuel mix for a city, drafting a strategy for the deployment of clean buses, procuring and financing zero-emission buses, setting up infrastructure, total cost of ownership (TCO) in a rapidly changing technology environment, and specific risks and challenges for public transport operators (PTOs).

These challenges need to be addressed at a rapid pace as zero-emission buses are set to be in the spotlight, with many cities and agencies strengthening their focus on the deployment of sustainable transport in the post-Covid era.

Global Mass Transit is organising its fourth annual conference on “Clean Buses in Europe”, on September 28-29, 2021 as a virtual event. The mission of the conference is to focus on the progress and opportunities in the deployment of clean buses in the region. It will explore the EC's initiatives, nationwide programmes, city-level commitments, relevant experiences, recent developments, best practices, issues with large-scale deployments and lessons learnt. It will also provide information on formulating urban strategy plans, as well as on procuring, financing, operating and maintaining clean buses.

The conference will bring together policymakers, transit agencies, city government officials, OEMs, bus manufacturers, suppliers of bus components, technology providers, energy providers, charging solution suppliers and battery manufacturers, hydrogen-fuelling infrastructure providers, funding agencies, multilateral development banks, consultants, researchers and academicians. It will cover a range of clean buses and solutions. Examples will be provided for large, medium and small transit agencies.

The conference will have 12 targeted sessions, panel discussions and case studies, with participation from a wide range of international experts, who will provide valuable insights and actionable advice. The agenda will cover the plans of cities for deploying clean buses in Europe. It will also highlight the latest technological developments and solutions to improve the customer experience.

The conference will, moreover, help understand the role governments, transit agencies, operators, manufacturers and consultants can play in deploying clean buses in a city or region. Besides, it will provide insights into the offerings of leading manufacturers and suppliers.

There will also be a dedicated session on the experience of leading cities in the deployment of clean buses. This will provide an opportunity to learn how to deploy clean buses and charging/fuelling infrastructure, mobilise funding, and manage stakeholder expectations.

Key topics to be explored

- EU initiatives in promoting clean buses
- Guidance on Clean Vehicles Directive, Sustainable and Smart Mobility Strategy, Revision of the Alternative Fuels Infrastructure Directive
- Impact of Covid-19 on the deployment of clean buses and the way forward
- Nationwide programmes for the deployment of clean buses
- Plans of cities in Europe for the deployment of clean buses
- Opportunities available for suppliers of clean buses
- Progress in the deployment of clean buses
- The experience so far, best practices and case studies
- Transitioning to zero-emission buses: Strategies, policies, case studies and best practices
- Total cost of ownership of zero-emission buses
- Electric bus charging infrastructure: Innovations, new technologies and infrastructure for large-scale fleets
- Challenges for grid capacity
- Hydrogen refuelling stations and infrastructure
- Economics and business models
- Planning for, scheduling of and monitoring clean buses
- Experience with alternative fuels
- Financing zero-emission buses
- Innovative financing mechanisms, private financing
- Autonomous and electric bus trials
- Key recent trends and market outlook for clean buses in Europe
- Development of tender documents, selection of suppliers and development of contracts

CLEAN BUSES IN EUROPE

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DAY 1: SEPTEMBER 28, 2021

Time (CET)	Session	Topics	Speaker
8:30–9:00	Login and Start of the event		
9:00–9:15	Welcome Remarks	Welcome remarks & mission of the conference	Namrta Bangia, Director, Global Mass Transit
9:15–9:50	Session 1: European Commission's Initiatives	- Clean Vehicles Directive: Implementation & its role in the promotion of zero-emission buses - Clean Bus Europe Platform: What it is & how it can help cities switch to zero-emission buses - An overview of the key measures in the "Fit for 55" Package for the bus sector - European Green Deal - Directive on Alternative Fuels Infrastructure (DAFI), Sustainable and Smart Mobility Strategy	- Dario Dubolino, DG Transport and Mobility – Sustainable & Intelligent Transport, European Commission, Belgium Moderator: Namrta Bangia, Director, Global Mass Transit
<i>Discussion and Q&A with the delegates</i>			
9:50–10:30	Session 2: Keynote Session – Green Public Transport in Copenhagen, Denmark	- Movia's initiatives towards green public transportation - Deployment of zero-emission buses and future plans	- Dorthe Nøhr Pedersen, Chief Executive Officer, Movia, Denmark Moderator: Namrta Bangia, Director, Global Mass Transit
<i>Discussion and Q&A with the delegates</i>			
10:30–11:00	Session 3: Sustainable Public Transport in C40 Cities	- C40 global cities and their support towards sustainable public transport - Making the case for zero-emission buses - The future is public transport	- Naomi Baster, Senior Manager, Mass Transit, C40 cities, UK Moderator: Namrta Bangia, Director, Global Mass Transit
<i>Discussion and Q&A with the delegates</i>			
11:00–12:00	Session 4: Keynote Panel Discussion on Transit Authority and Operator Perspective	- Key case studies, the experience so far and the lessons learnt - Drafting a clean bus deployment strategy - Impact of Covid-19 on the plans for clean bus deployment - Key challenges and expectations from suppliers - Future plans, investments and timelines	- Tom Cunnington, Head of Bus Business Development, Transport for London (TfL), UK - Gerard Hellburg, Program Manager Clean & Sustainable, Vervoerregio Amsterdam, The Netherlands - Bruno Lapeyrie, Director Centre of Excellence Energy Bus, Keolis Group, France - João Vieira, Director - Strategy and Innovation on Transport, Energy and Environment, Carris, Portugal Moderator: James Nix, Freight and Climate Director, Transport & Environment (T&E), Belgium
<i>Discussion and Q&A with the delegates</i>			
12:00–12:50	Session 5: Spotlight on Hydrogen– Fuel of the Future? Part 1	- Benefits of distributed hydrogen production as well as supply for operators of fuel-cell bus fleet including cost savings, scalability, lower emissions and improved reliability of supply by BayoTech - Ambitious plans to deploy hydrogen buses; supporting infrastructure improvements; and deeper and more meaningful mutually beneficial collaborations with local stakeholder partners by Brighton & Hove Buses, Metrobus, The Go-Ahead Group	- Steve Jones, SVP BayoTech Europe, BayoTech, UK - Patrick Warner, Head of Innovation, Brighton & Hove Buses, Metrobus, TheGo-Ahead Group, UK Moderator: Michael Dolman, Partner, Element Energy, UK
<i>Discussion and Q&A with the delegates</i>			
12:50–13:20	Break		
13:20–14:10	Session 6: Spotlight on Hydrogen– Fuel of the Future? Part 2	- Hydrogen refuelling stations and infrastructure by Haskel - Modular fuel cell stack and system approach, single and multistack systems and future applications by Proton Motor Fuel Cell	- Nick Power, Hydrogen Business Development Manager-EMEA, Haskel, UK - Matteo Schmid, Sales Manager Commercial Vehicles, Proton Motor Fuel Cell GmbH, Germany Moderator: Michael Dolman, Partner, Element Energy, UK
<i>Discussion and Q&A with the delegates</i>			
14:10–15:40	Session 7: Transitioning to a Zero-Emission Bus Fleet–Part 1	- Go-Ahead's climate change strategy and approach to decarbonising a fleet of 3,000 buses; Billion Journey Project for environmental and technological innovation; air filtering bus initiative; and prospects for hydrogen by The Go-Ahead Group - PSI: Transition to e-mobility: Ensuring maximum availability of personnel and (e-)buses by PSI Transcom - Electrification of buses and fleets within Europe by e-Traction - Electric buses in Turin by GTT	- Mark Anderson, Customer and Commercial Director, The Go-Ahead Group, UK - Jost Geweke, Business Development Manager, PSI Transcom GmbH, Switzerland - Paul Galama, Business Development EMEA, e-Traction, The Netherlands - Marco Zanini, Head of Maintenance Engineering, Gruppo Torinese Trasporti (GTT), Italy Moderator: Steve Jones, SVP BayoTech Europe, BayoTech, UK
<i>Discussion and Q&A with the delegates</i>			
15:40–16:15	Virtual Speed Networking and Close of Day 1		

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DAY2: SEPTEMBER 29, 2021

Time (CET)	Session	Topics	Speaker
9:00–9:15	Login and Start of the event		
9:15–9:55	Session 8: Transitioning to a Zero- Emission Bus Fleet– Part 2	• Birmingham - Enabling a clean bus future • The challenge to improving air quality and reducing GHG emissions to achieve net zero • Supporting actions to enable clean buses	• Councillor Waseem Zaffar, Cabinet Member for Transport & Environment, Birmingham City Council, UK • Moderator: Namrta Bangia, Director, Global Mass Transit
		Discussion and Q&A with the delegates	
9:55–11:35	Session 9: Promise of Electric Buses	• Topic to be confirmed by Karsan • Vision zero – how to implement an electric bus system in a major German city and bring all stakeholders together by Stadwerke Osnabruck • Electrification of buses and innovation by EMT Madrid • Electrification of buses and fleets within Europe by Enel X • Impact of quality on bus operations; diversity of bus technologies and related problems; and challenges in bus purchasing/delivery process by TÜV NORD Mobilität GmbH	• Halit Özgür Altınsoy, International Sales Manager, Karsan, Turkey • Joachim Kossow, Project Coordinator- New mobility, Stadwerke Osnabruck AG, Germany • Álvaro Rodríguez, Director of Operations, EMT Madrid, Spain • Alessio Tizzanini, Head of Global Business Development and Sales- eBus, Enel X, Italy • Bartłomiej Wójtowicz, Head of Mobility Business Unit, TÜV NORD Mobilität GmbH, Poland • Moderator: Alexandre McCraw, Global eMobility Sales Manager, Hitachi ABB Power Grids, Switzerland
		Discussion and Q&A with the delegates	
11:35–12:45	Session 10: Electric Bus Charging Infrastructure	• Topic to be confirmed by INIT Mobility Software Solutions GmbH • Topic to be confirmed by Hitachi ABB Power Grids • Large-scale development of charging infrastructure with focus on load management for bus depots and energy management for fleets by ABB	• Steffen Balack, Account Manager, INIT Mobility Software Solutions GmbH, Germany • Alexandre McCraw, Global eMobility Sales Manager, Hitachi ABB Power Grids, Switzerland • Laurens Peterse, Global Product Marketing Specialist, ABB, The Netherlands • Moderator: Namrta Bangia, Director, Global Mass Transit
		Discussion and Q&A with the delegates	
12:45–13:00	Break		
13:00–13:30	Session 11: Berlin on the Way to Zero- Emission by 2030	• Key initiatives • Experience so far • Future plans, challenges and the way forward	• Dr. Rolf Erfurt, VorstandBetrieb / COO at Berliner Verkehrsbetriebe (BVG), Germany • Moderator: Namrta Bangia, Director, Global Mass Transit
		Discussion and Q&A with the delegates	
13:30–14:00	Session 12: Euro VI buses in London	• The technical specification for the Euro VI retrofit systems • Managing the delivery of the Euro VI retrofit project • Lessons learnt, best practices and the way forward	• Lisa Dipnarine, Senior Business Development Manager - Bus Operations and Finn Coyle, Head of Engineering, Buses, Transport for London (TfL), UK • Moderator: Namrta Bangia, Director, Global Mass Transit
		Discussion and Q&A with the delegates	
14:00–14:50	Session 13: Closing Keynote Session- Moving to Zero-emission Fleet in The Netherlands	• Zero-emission buses in Amsterdam by GVB • The Dutch approach and strategy to realise the zero-emission ambition by 2030 as well as current status and experience so far by Ministry of Infrastructure and Water Management	• Dirk Jan Brakel, Program Manager Electric (Zero Emission) Bus Amsterdam Implementation, GVB, The Netherlands • Kaj Sanders, Coordinating Policy Officer for ZE buses and Special Transport Services, Ministry of Infrastructure and Water Management, The Netherlands • Moderator: Namrta Bangia, Director, Global Mass Transit
		Discussion and Q&A with the delegates	
14:50–15:30	Virtual Speed Networking and Close of the Conference		



WHO SHOULD ATTEND?

The event is expected to draw participation from CXOs, executives, managers and decision-makers from:

- Public transport authorities / agencies
- Public transport operators
- Ministries and government transport departments
- City governments/municipalities
- Policymaking and regulatory bodies
- Bus OEMs and technology providers
- Infrastructure OEMs
- Suppliers of bus components
- Electric charging solution suppliers and battery manufacturers
- Energy providers
- Providers of Hydrogen Refuelling Stations Infrastructure
- Hydrogen producers and suppliers
- Fuel cell companies
- Hydrogen storage companies
- Autonomous shuttle technology providers
- Autonomous shuttle manufacturers
- Multilateral agencies
- Banks and financial institutions
- Leasing companies
- Academic institutions
- Research and development organisations
- Transport associations
- Consultants
- Environmental services organisations
- Oil & Energy Companies

www.globalmasstransit.net

ABOUT THE ORGANISERS

Global Mass Transit is a leading provider of information and analysis on the global mass transit industry. We publish a monthly market intelligence report (**Global Mass Transit Report**), a weekly newsletter (**Global Mass Transit Weekly**) and operate the www.globalmasstransit.net (website).

We publish **multi-client research studies** and **undertake custom research assignments**. Global Mass Transit tracks developments in over 100 countries across all regions to ensure reliable and actionable research. Some of our leading research reports are Global Transit Ticketing & Fare Collection Report 2020; NFC Mobile Ticketing for Transit 2018; 1,000 Global Rail Projects Database; Investment and CAPEX Plans of Transit Authorities/Agencies Report 2019-2030; Global Light Rail Projects Report 2018-2030; Global Metro Projects Report 2018; and Europe Urban Bus Market Outlook Report 2017-2030.

Global Mass Transit also organises **conferences** on topical and crucial issues with focused sessions and discussions featuring speakers with vast experience and expertise in the **US, Europe, Asia and the Middle East**. Some of our past conferences include Transit Ticketing & Fare Collection APAC, Transit Ticketing & Fare Collection MENA, Clean Buses in Europe, Clean Buses in APAC, Transit State of Good Repair in the US, Rail Asset Management Europe, Rail Asset Management APAC and Wireless Communications in Mass Transit. These conferences received a strong response from speakers and delegates alike.

We have been serving over 300 clients since 2009. Our clients include leading organisations across the world such as ABB, Accenture, Access IS, Agence Métropolitaine de Transport (AMT), Apple Pay, Arriva Nederland, Auckland Transport, Aurecon, Autoritat del Transport Metropolità (ATM), Bangkok Payment Solutions Company Limited, Bombardier Transportation, Bosch GmbH, Conduent Business Solutions (France) SAS, Confederation of Passenger Transport, Confidex, Cubic Transportation Systems, DB Engineering & Consulting GmbH, DB Stadtverkehr GmbH, Datamatics Global Services, Deloitte & Touche Enterprise Risk Services, Discover Financial Services, DXC Technology, FEIG Electronic, FIME, Gemalto, a Thales Company, GFI Genfare, Giesecke & Devrient GmbH, Google Pay, GVB Amsterdam, IDOM Engineering and Consulting, Infineon Technologies, INIT GmbH, IVU Traffic Technologies AG, JCB International, Kapsch PublicTransportCom, Keolis, Korea Smart Card Company, KPMG, LG CNS, Masabi, Mastercard, Metro Ligerio Oeste S.A., Metropolitana Milanese SpA, Ministry of Transport of Czech Republic, MRT Jakarta, National Transport Authority of Ireland, New Zealand Transport Agency, NFC Forum, North Norway European Office, NXP Semiconductors, Pricewaterhouse Coopers, Provincie Gelderland, Provincie Noord-Brabant, PSI Transcom, RATP, Public Transport Neuchâtel, SamsungPay, Serco, Siemens, Singapore Land Transport Authority, SNCF, SNC-Lavalin, Sojitz Corporation, Stadtwerke Münster, Sumitomo Mitsui Card Company, Swissrail, Tallinna Linnatranspordi, Thales, Toshiba, Touch 'n Go, Transport for London (TfL), Transports Metropolitans de Barcelona, Transport Passengers Emilia-Romagna (TPER), VDV-Kernapplikations GmbH & Co. KG, Visa, Vix Technology, Wiener Linien, Wizway Mobile Ticketing, Worldline, etc.

SPONSORSHIP (Limited number)*

The conference will provide an excellent opportunity for organizations to showcase their products and services. The deliverables include:

- A 15-minute presentation slot (presentation should be relevant and not just a sales-pitch)
- Company logo will be displayed on the event website and the registration page
- Company logo will be displayed in the opening and closing slide/waiting room
- Sponsor company mentioned in each promotional mailer
- Mention in social media posts including a post on the speaker from your company
- Mention in the virtual event opening and closing remarks
- 6-9 participant logins for the employees
- Opportunity to interact virtually with the top officials in the industry

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DELEGATE FEE

Delegates	Price before July 15, 2021	Price before August 27, 2021	Standard Fee
1 Login	EUR280	EUR340	EUR400
2-3 Logins	EUR450	EUR550	EUR650
4-5 Logins	EUR630	EUR765	EUR900
6-9 Logins	EUR800	EUR970	EUR1150
10-20 Logins	EUR980	EUR1190	EUR1400

**Registration is complimentary for transit agencies and government authorities.*

REGISTRATION FORM

☐ I would like to register for the conference

☐ Please send me more information

NAME/DESIGNATION _____ COMPANY _____

MAILING ADDRESS _____

PHONE _____ MOBILE _____

FAX _____ EMAIL _____

PAYMENT OPTIONS

1. Credit Card: To make payments by credit card, please visit: <https://cvent.me/4x0gVK>

All credit card payments will be subject to standard credit card charges

2. Wire Transfer:

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TERMS AND CONDITIONS

Payment Policy

- Full payment must be received prior to the conference in EURO (EUR).

Cancellations

- Cancellation requests received in writing 30 days (August 29, 2021) before the date of the conference will be eligible for a full refund, minus a service charge/administration fee of EUR30. We regret that no refunds will be made for any cancellation requests received less than 30 days prior to the conference.
- Substitutions/name changes are welcome at no extra charge. Please send these in writing at least two days prior to the conference.

Information Collected

- We collect the information you provide to us when you complete the registration form. The information includes name, company, and email address. By registering for this conference, you agree to be contacted by us with regard to other similar events or services of ours that may be of interest to you, and by the sponsor(s) of the conference for which you have registered

Disclaimer

- Global Mass Transit shall assume no liability whatsoever in case the conference is postponed or cancelled due to a fortuitous event or unforeseen occurrence that renders its organization impractical, illegal or impossible. For purpose of this clause, a fortuitous event shall include, but not be limited to: war, fire, labor strike, extreme weather or other emergency. Global Mass Transit's responsibility is limited to the return of registration fees only, and not any travel and accommodation costs.
- Please note that it may become necessary for reasons beyond the control of the organizers to make alterations to the content and timing of the program or speakers.

CONTACT US

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