

AGENDA

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Fifth Annual Conference on

CLEAN BUSES IN EUROPE

May 11-12, 2022 | Amsterdam, The Netherlands

Tentative Agenda (More details coming soon)

Day 1: May 11, 2022

Session 1: Opening Session on Journey to Net-zero in Europe - Role of Zero-emission Buses

- Key policy initiatives and best practices in introducing zero-emission buses
- Plans, opportunities and outlook
- Sourcing green energy, zero tailpipe
- Funding and financing, nationwide initiatives
- Key issues and concerns (fuel supply, lifecycle costs, technological reliability, implementation issues, etc.)
- Recommendations and the way forward

Session 2: Latest Mobility Initiatives of the European Commission

- European Green Deal, Sustainable and Smart Mobility Strategy
- Fit for 55 Package
- Clean Vehicles Directive: Implementation & its role in the promotion of ZEBs
- Horizon Europe
- H2Bus, JIVE, JIVE 2, CHIC, 3Emotion
- Directive for Alternative Fuels Infrastructure

Session 3: Plans, Priorities and Strategies of Transit Operators: Keynote Panel Discussion

- Transitioning to a zero-emission bus fleet
- Key case studies, the experience so far and the lessons learnt
- Drafting a clean bus deployment strategy
- Key challenges and expectations from suppliers
- Future plans, investments and timelines

Session 4: Hydrogen-fueled Buses: Case Studies, Best Practices and Technologies

- Experience so far, lessons learned and best practices
- Key issues and challenges
- OEM perspective: Launching new technologies, reducing costs, improving efficiency, and commercializing hydrogen
- Hydrogen valley projects and impact on mobility
- Road to the 2030: Potential of hydrogen in public transport

Session 5: Electric Bus Deployments: Case Studies, Best Practices and Technologies

- Experience so far, lessons learned and best practices
- Business and financing models
- Operations and maintenance of electric buses
- Large-scale deployments
- OEM perspective

Session 6: Transition to Zero-emission Fleet

- Strategies and best practices
- Experience so far and the lessons learned
- Lifecycle cost analysis, total cost of ownership
- Business models to lower upfront costs
- Funding and financing
- Public procurements versus joint procurements

Day 2: May 12, 2022

Session 7: Electric Bus Charging Infrastructure: Strategies and Technologies

- Case studies, best practices and key initiatives
- Setting up charging infrastructure, financing and procurement strategies
- Battery as a Service, business models
- Electric bus fleet scheduling and models to minimize total operational cost
- Use of smart charging software
- Scaling up infrastructure

Session 8: Hydrogen Refueling Stations and Infrastructure

- Hydrogen refueling station (HRS) requirements for a city, and supply options
- Planning for HRS operations
- Procurement of HRSs
- Standards and regulations
- Scaling-up infrastructure

Tentative Agenda (More details coming soon)

Session 9: Decarbonising Coaches

- Clean buses for long-distance operations
- Business case and economics
- Case studies and experience so far

Session 10: Mainstreaming Alternative Fuel Buses

- Market development for biogas, bio-diesel, LPG, LNG, gas-to-liquid, HVO (hydrotreated vegetable oil), BTL (biomass to liquid), bioethanol, etc.
- Transport operators' perspective: Key recent deployments, case studies, issues and challenges, financing, and future plans
- Bus manufacturers' perspective

Session 11: Digital Transition

- Autonomous and electric buses
- Opportunity for digitalisation
- Using data and AI for fleet management
- Integration of zero-emission fleet with new mobility (MaaS and AVs)

Session 12: Valedictory Session on Decarbonising Public Transport: Government and Industry Dialogue

- Public private partnerships to decarbonise transit
- Ensuring modal shift to support the European Green Deal as well as to overcome challenges of equity and social inclusion
- Key risks and challenges, solutions and strategies
- Needs and requirements
- Policy recommendations

PREVIOUS PARTICIPANTS

Key organisations that have participated in the Clean Buses in Europe edition include: ABB; Aberdeen City Council; Abellio London; Alexander Dennis Limited.; ANM - Azienda Napoletana Mobilità SpA; Akershus County Council; Allego; Arriva Nederland; Arriva; Association of State Road Transport Undertakings (ASRTU); ATU Slobozia Municipality; Auckland Transport; Autoritat del Transport Metropolita ATM; BAE Systems; Ballard Power Systems; BP; Bluebus-Group; Brighton & Hove Buses; C40 Cities; CaetanoBus; CarMedialab; Carris; ChargePoint; Chariot Motors; City of Amsterdam, The Netherlands; City of Copenhagen, Denmark; Cleantech Regio Companies; CNR-INM (Italian National Research Council - Institute of Marine Engineering); Confederation of Passenger Transport; Dancer Bus; Danfoss Editron; De Lijn; Department of Transport, Ireland; Dubai RTA; Durapower Technology Group; E4tech UK Limited; Ebusco; Eesti Energia; Efacec; ElaadNL; ElectricFeel; Element-Energy; Eminox; ENEL X; Energy Pool; Energy Saving Trust; e-Traction, RetroMotion; E-mobility Foundation (Fundacja Promocji Pojazdów Elektrycznych); European Commission; European Investment Bank; EVBox; Faurecia Clean Mobility; First Group; First West of England; FlixBus; Fuel Cells and Hydrogen Joint Undertaking (FCH JU); Furrer + Frey; Gas Networks Ireland; Gemeentelijk Vervoerbedrijf (GVB); HJS Emission Technology; HTM; Hamburger Hochbahn AG; Heliox; Hitachi ABB Power Grids; Holding Graz Linien (HGL); HTM; Hydrogen Europe; Hydrogenics; HyER - European Association for Hydrogen and Fuel Cells and Electro-mobility in European Regions; IES-Synergy; INDRA; Industria Italiana Autobus; initplan GmbH; INERIS; inno-V; Integrated Transport Planning (ITP); International Energy Agency (IEA); Interurbana de autobuses; ITM Power; Interurbana de Autobuses, S.A.; IVU Traffic Technologies; Karsan; Keolis Group; London's European Office; Low Carbon Vehicle Partnership; LRTC GmbH; Lund University; LYNXX; Maisons; McKinsey & Company; Microvast; Ministry of Transport, Czech Republic; Ministry of Infrastructure and Watermanagement, The Netherlands; Movares Nederland B.V.; Movia Public Transport; National Organisation Hydrogen and Fuel Cell Technology (NOW); National Transport Authority; Nordic Energy Research; Nottinghamshire County Council; North Norway European Office; Optare; Optibus; Otokar Europe SAS; Oxfordshire County Council; PitPoint; Pitpoint Clean Fuels; PowerCell Sweden; Provincie Gelderland; Provincie Noord-Brabant; Provincie Zuid-Holland; PSI Transcom; Qbuzz; Rampini Carlo Spa; RATPDev; RDA Centru; Réseau de transport de Longueuil; RET; Ruter AS; SAFRA; Scania; Shell; Siemens; SKODA Transportation; Skynet; Societa Per La Mobilita Ed Il Trasporto Pubblico; Solaris Bus & Coach S.A.; Sonderborg Forsyning; SPDG SA; Sphera Solutions GmbH; Stadtwerke Münster; Straeto; Squarell Technology; Tallinna Linnatranspordi; TAM Europe; TNO; TPER; TPG - Geneva; Transdev Netherlands (Connexion); Transdev Autonomous Transport Systems; TraffiQ Lokale Nahverkehrsgesellschaft Frankfurt am Main mbH; Translink; TransN; Transport for Greater Manchester (TfGM); Transport for London (TfL); Transport for West Midlands; Transportes Metropolitanos de Barcelona (TMB); Transportes Publics Neuchatelois; Tribus BV; Troms fylkeskommune; Turku Region Public Transport Föli; UNECE; University of Applied Science Esslingen; Van Hool; VDL Bus & Coach; VECO Bus; Verkehrsbetriebe Zürich; Vervoerregio Amsterdam; ViriCiti; VTT Technical Research Centre of Finland; Warsaw Public Transport Authority; World Bank Group; Wrightbus, etc