



CONFERENCE ON

ZERO EMISSION FERRIES US

June 21, 2023 | San Francisco Airport Marriott Waterfront

Hosted by:

Global **Mass Transit**

Sponsors:

Artemis
TECHNOLOGIES


EV MARITIME

NESTE MY
Renewable Diesel

MISSION

The mission of this conference is to discuss the federal government's plan to transition to a zero emission transit system, deployment of zero emission ferries in the US, funding available, strategies, case studies, best practices, recent developments, key challenges, plans and future outlook. It will also provide information on procuring, financing, operating, and maintaining zero emission ferries and infrastructure. The conference will also highlight opportunities and technological innovations.

The conference will bring together officials from federal government, state DOTs, local governments, transit agencies, ferry operators, transit operators/transit passenger ferry service providers, clean air agencies, regional air pollution control agencies, vessel design and construction companies, naval architecture firms, technology vendors, equipment integrators, electric charging solution suppliers and battery manufacturers, energy providers, hydrogen-fueling infrastructure providers, fuel cell manufacturers, infrastructure OEMs, terminal infrastructure developers, marine engineering firms, academic institutions, research and development organizations, transport associations, consulting firms, environmental services organizations, leasing companies, funding and financing agencies and utilities.

The one-day conference will have 9 sessions, panel discussions and case studies, with a wide array of international experts providing valuable insights and actionable advice.

KEY TOPICS TO BE DISCUSSED

- Role of zero emission ferries in achieving net zero
- Federal funding for zero emission ferries
- Key policy initiatives for transitioning to low/zero emission ferries
- Best practices in accessing federal grants
- Transitioning to zero emission ferries: strategies and best practices
- Partnership between stakeholders in industry, finance and government
- Experience so far and case studies
- Plans of cities in the US for the deployment of zero emission ferries
- Opportunities available for suppliers of zero emission ferry technologies
- Project conceptualisation, financing and planning, and procurement
- Choosing between different low/zero-emission options: hydrogen, electric, BioGas, etc.
- Hydrogen fuel cell ferries: case studies and future plans
- Battery electric ferries: case studies and future plans
- Terminal and related infrastructure development
- Terminal electrification
- Deployment of charging infrastructure
- Operations and maintenance of zero emission ferries
- Partnerships with utilities, impact on the grid
- Commercialization of zero emission marine technologies
- Key risks and challenges
- Ensuring state of good repair
- Improving equity, accessibility and inclusivity

WHY ATTEND?

Key benefits for participants:

- Gain insight into the policies, projects, funding and standards for zero and low emission ferries including electric and hydrogen ferries
- Learn about best practices in financing, procuring and deploying zero and low emission ferries
- Explore strategies to resolve key legal, technical, operational and financial issues facing the deployment of zero and low emission ferries
- Gain exposure to new technologies and market development strategies for zero and low emission ferries
- Learn from government departments, transit agencies, operators, technology vendors, financiers, marine engineering firms and consultants

Tentative agenda as on June 21, 2023

Time (PT)	Session	Topic	Speaker
8:00-8:55	Registration, Tea/Coffee and Networking		
8:55-9:00	Welcome Remarks	Welcome remarks & mission of the conference	Global Mass Transit
9:00-9:25	Opening Keynote Address	- Navigating towards a 100 per cent zero emission transportation system through ferries - Essential policy measures undertaken and required for transitioning to low/zero emission ferries - Equity driven change; transformative action impacting marginalized communities	<i>Opening Address by:</i> - Dr Steven Cliff, Executive Officer, California Air Resources Board (CARB) Moderator: Teresa Bui, Climate Policy Director, Pacific Environment
9:25-10:30	Keynote Panel Discussion on Accelerating Deployment of Zero Emission Passenger Ferries	- Ferries as part of the larger goal to achieve a 100 per cent zero emission transportation system - Key policy initiatives undertaken and needed for transitioning to low/zero emission ferries - Forging partnerships between stakeholders in industry, finance, and government - Impact on employment and pollution levels - Impact on marginalized communities and equity as a driver for change	<i>Panel discussion amongst:</i> - Tor-Gunnar Hovig, Senior Vice President Sales Americas, Corvus Energy - Seamus Murphy, Executive Director, Water Emergency Transportation Authority (WETA) - Raymond Scott, Marine Services Director, Kitsap Transit Moderator: Teresa Bui, Climate Policy Director, Pacific Environment
		Q&A with the delegates	
10:30-11:00	Tea/Coffee and Networking Break		
11:00-11:20	Session 3: Successful Deployment of a Zero Emission Passenger Ferry Service	- Embarking on a sustainable voyage with Maid of the Mist - Two years of zero emission tour vessel operations - Maid of the Mist’s story - New build considerations - Challenges and lessons learned	<i>Presentation by:</i> - Chris Mckay, Marine Operations Manager, Maid of the Mist Corporation Moderator: Global Mass Transit
11:20-12:10	Session 4: Federal Government’s Plans and Programs for Decarbonizing Ferries	- Overview of the FHWA’s Ferry Boat Program (FBP), funding calculations, available funding and eligibility by Federal Highway Administration (FHWA) - IRA grant programs; diesel equipment replacement programs for port authorities, local governments, and other stakeholders; project example by US EPA	<i>Presentations by:</i> - Omar Elkassed, Ferry Boat Program Manager, FHWA - Matthew Hanson, Physical Scientist, US Environmental Protection Agency (EPA) Moderator: PJ Callahan, Engineering Consultant, The Center for Transportation and the Environment
		Q&A with the delegates	
12:10-13:00	Session 5: Reducing Emissions with New Technologies	- Transitioning to a more sustainable transportation system on the water and on the road without capital investment by Neste US - Decarbonizing high speed passenger ferries with the Artemis eFoil® by Artemis Technologies	<i>Presentations by:</i> - Fabricio Bezerra, Americas Market Development Manager, Neste US Inc. - Jonathan Nichols, Director, Artemis Technologies Moderator: Myra Blaylock, Principle Mechanical Engineer, Sandia National Laboratories
		Q&A with the delegates	
13:00-14:00	Lunch and Networking Break		

14:00-14:45	Session 6: Facilitating Funding for the Future of Zero Emission Ferries in California	• The Caltrans Delta Ferries: current status and plan for the future by Caltrans • Introduction to Bay Area Air Quality Management District (Bay Area AQMD); overview of Bay Area AQMD’s grant programs; key grant programs for zero emission ferries administered by Bay Area AQMD: Carl Moyer Program and VW Zero-Emission Freight and Marine Program; other funding options beyond Bay Area AQMD grants; and contacts and resources by Bay Area AQMD	<i>Presentations by:</i> • Hamid Sadraie, Principal Transportation Engineer and Gabe Pineda, Equipment Engineer, Caltrans • Chengfeng Wang, Air Quality Program Manager, Bay Area Air Quality Management District (Bay Area AQMD) • Moderator: Eric Bayani, Founder, Embedded LLC
		Q&A with the delegates	
14:45-15:45	Session 7: Key Projects and Plans	• Five years of hybrid-electric operations; and considerations, learnings, opportunities and challenges in moving towards fleet electrification from a private operator’s perspective by Red and White Fleet • The role of EV Maritime’s 200-passenger fast ferries in decarbonising Auckland’s passenger ferry fleet and parallels with similar US networks by EV Maritime • One-year experience of public ferry service; experience so far; lessons learned regarding establishing a new public ferry service; building partnerships; securing permits and creating a stable vessel operation; and future plans of transitioning to zero-emissions by Treasure Island Ferry	<i>Presentations by:</i> • Joseph Burgard, Managing Director, Red and White Fleet • Michael Eaglen, CEO, EV Maritime • Alex Kryska, Chief Operating Officer, Treasure Island Ferry - PropSF • Moderator: PJ Callahan, Engineering Consultant, The Center for Transportation and the Environment
		Q&A with the delegates	
15:45-16:30	Session 8: Impact of Electrification on the Grid	• Experience with cruise ship cold ironing / electrification; plans for ferry electrification; and the challenges these loads present to the grid by San Francisco Public Utilities Commission • Accomplishing work in a constrained grid location; exploring multi-use-case energy storage and lessons and recommendations by Seattle City Light	<i>Presentations by:</i> • Barbara Hale, SFPUC Assistant General Manager, Power, San Francisco Public Utilities Commission • John LeCompte, Strategic Electrification Engineer, Seattle City Light • Moderator: Andy Bennett, Principal, KPFF Consulting Engineers
		Q&A with the delegates	
	End of Conference		

PARTICIPATING ORGANIZATIONS

Global Mass Transit regularly organises conferences on Clean Buses in North America (San Francisco, Toronto), Europe (Amsterdam), APAC (Singapore), MENA (Dubai) and on Hydrogen-Fuelled Buses and Infrastructure in Europe (Amsterdam).

Over 150 participants from more than 75 organisations registered for the second annual conference on 'Clean Buses in the US' that took place on November 9-10, 2022 at InterContinental San Francisco. Some of the key organisations that attended the event: ABB E-Mobility Inc., ADASTEC, Alameda-Contra Costa Transit District, Amador County Transportation Commission, BAE Systems, Ballard Power Systems, Bus.com, California Air Resources Board, California Department of Transportation, California Energy Commission, Caltrans, CALSTART, Capitol Corridor Joint Powers Authority, CapMetro, ChargePoint, Clean Energy, Colorado Department of Transportation, Community Transit, County of Hawai'i Mass Transit Agency, Cummins, Eaton Corporation, Electrada LLC, Electric Power Research Institute (EPRI), Enel North America, Ernst & Young Infrastructure Advisors, LLC, E-VALUCON, FASTECH, FTI Consulting, Golden Gate Transit, Goldman Sachs, Green DOT Transportation Solutions, Heliox, Hexagon LLC, Hitachi Energy, ICCT, Joule Case, Kimley Horn, King County Metro, Kiewit, Kitsap Transit, LIFTE H2, Los Angeles County Metropolitan Transit Authority, Menlo Energy Economics, Meeting of the Minds, non-profit, Metropolitan Transportation Commission, New York City Transit, MTA, Napa Valley Transportation Authority, National Grid, National Renewable Energy Laboratory, Neste US, NextEra, North County Transit District, Nuvee V2G Chargers + Software, Optibus, Orange County Transportation Authority, Parsons, PG&E, Pittsburgh Regional Transit, PlugIn Stations Online, ProCal Electrical Contracting, Rogue Valley Transportation District, San Francisco Municipal Transportation Agency (SFMTA), Santa Clara Valley Transportation Authority, Seattle City Light, Shaw Development, Sierra Club, Southern California Edison, Southwire Company, Stanford University, STV Group, SunLine Transit Agency, Synop, Texas Transit Association, Trimet, Tritium Charging, U.S. Department of Energy - Hydrogen & Fuel Cell Technologies Office, U.S. Environmental Protection Agency, United States Hydrogen Alliance (USHA), Utah Transit Authority, Valley Transportation Authority, Vontas, World Resources Institute(WRI), Zenobe Energy Limited, Zum Services Inc, etc.

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 Europe Bus Market Outlook Report 2022-2031, Asia Pacific Bus Market Outlook Report 2021-2030, Global Transit Ticketing & Fare Collection Report, Global Upcoming Light Rail Projects Report & Database 2022-2036, Global Upcoming Metro Rail Projects Report and Database 2022-2036, etc.

Global Mass Transit also organises conferences on topical and crucial issues with focused sessions and discussions featuring speakers with vast experience and expertise in North America, Europe, Asia Pacific, the Middle East and Africa.

Global Mass Transit regularly organises conferences on Clean Buses in North America (San Francisco, Toronto), Europe (Amsterdam), APAC (Singapore), MENA (Dubai) and on Hydrogen-Fuelled Buses and Infrastructure in Europe (Amsterdam).

The latest editions of the 'Clean Buses' series are listed below:

- ❖ Clean Buses in MENA, Shangri La, Dubai, February 7-8, 2023
- ❖ Third Conference on Hydrogen-Fuelled Buses and Infrastructure in Europe, Amsterdam Marriott Hotel, December 1, 2022
- ❖ Second Conference on Clean Buses in the US, InterContinental San Francisco, November 9-10, 2022
- ❖ Fifth Conference on Clean Buses in Europe, Sofitel Legend The Grand, Amsterdam, May 11-12, 2022
- ❖ Clean Buses in the UK, Virtual Conference, October 13, 2022
- ❖ Third Conference on Clean Buses in APAC, Virtual Conference, November 24-25, 2020

Some of our other conferences include Transit State of Good Repair in the US, Mobility-as-a-Service in the US, Autonomous Vehicles and Public Transport in the US, Mobility-on-Demand in Transit in the US, Transit Ticketing & Fare Collection APAC, Transit Ticketing & Fare Collection MENA, Rail Asset Management Europe and Rail Asset Management APAC. These conferences received a strong response from speakers and delegates alike.

DELEGATE FEE

Delegates	Price before May 12, 2023	Price before June 01, 2023	Standard Fee
One Delegate	USD 750	USD 850	USD 1,000
Two Delegates	USD 1,350	USD 1,530	USD 1,800
Three Delegates	USD 1,950	USD 2,210	USD 2,600
Four Delegates	USD 2,550	USD 2,890	USD 3,400
Special Category*	USD 350	USD 425	USD 500

*There is a special low fee for transit agencies, transit operators, government agencies, regulatory authorities, academia and research institutions .

SPONSORSHIP

As our partner at the event, your company will receive the following benefits:

Option 1 Sponsor - USD 4,500

15% 'early-bird' discount until April 28: USD 3,825

- Speaking slot/ Presentation of 10-15mins
- Branding on all marketing collaterals/ materials
- Branding on all communication of the conference
- Branding on all event paid promotional campaigns
- Social media posts
- Table space at the venue
- 2 delegate registrations (excluding the speaker)

Option 2 - USD 8,000

15% 'early-bird' discount until April 28: USD USD 6,800

- Speaking slot/ Presentation of 10-15 mins
- Moderating a panel discussion
- Branding on all marketing collaterals/ materials
- Branding on all communication of the conference
- Branding on all event paid promotional campaigns
- Social media posts
- Table space at the venue
- 5 delegate registrations (excluding the speaker)

Exclusive Lanyard Sponsor – USD 7,000

15% 'early-bird' discount until April 28: USD 5,950

- Named Lanyard Sponsor
- Branding on all marketing collaterals/ materials
- Branding on all communication of the conference
- Branding on all event paid promotional campaigns
- Social media posts
- 2 delegate registrations
- Lanyards to be provided by company

Exhibitor – USD 3,500

15% 'early-bird' discount until April 28: USD 2,975

- Branding on all marketing collaterals/materials
- Branding on all communication of the conference
- Branding on all event paid promotional campaigns
- Social media posts
- Table space at the venue
- 1 delegate registration

Coffee Sponsor – USD 3,500

15% 'early-bird' discount until April 28: USD 2,975

- Named Coffee Sponsor
- Branding on all marketing collaterals/ materials
- Branding on all communication of the conference
- Branding on all event paid promotional campaigns
- Social media posts
- 1 delegate registration

Exclusive Wifi-USD 7,000

15% 'early-bird' discount until April 28: USD 5,950

- Named Wifi Sponsor
- Tent cards with branding (to be placed on tables)
- Branding on all marketing collaterals/materials
- Branding on all communication of the conference
- Branding on all event paid promotional campaigns
- Social media posts
- 2 delegate registrations

TERMS AND CONDITIONS

Payment Policy

- Full payment must be received prior to the conference in USD.

Cancellations

- Cancellation requests received in writing 30 days before the date of the conference will be eligible for a full refund, minus a service charge/administration fee of USD150. 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.

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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