



AFRICA E-MOBILITY FORUM – 2nd EDITION

14 May 2024

TRAINING PROGRAMME on Electric Bus Procurement, Planning and Financing

15 – 17 May 2024

Venue:

[PULLMAN DAKAR TERANGA HOTEL](#)

10 RUE COLBERT
BP 3380 DAKAR
SENEGAL

Language:

Both the Forum and Training will be held in French and English with simultaneous interpretation.

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About the Forum

The [First Africa E-mobility Forum](#) was held in Dar es Salaam, Tanzania in March 2023 and brought together around 100 delegates from over 20 African cities with financiers and companies working on the transition to electric mobility in the region. A lot has happened in the e-mobility space on the continent since then! This year's Forum in Dakar, Senegal will build on the outcomes and connections established at the first edition and expand the range of topics, companies, and countries participating. The primary goals of the forum are to:

- Bring together government officials from relevant public sector institutions to connect and enhance their knowledge of e-mobility
- Connect public and private sector entities working on e-mobility on the continent to enhance their mutual understanding
- Showcase private sector innovation in electric mobility
- Connect financiers with companies that need financing for electric mobility projects
- Share country and city-level experiences with developing and implementing electric mobility projects
- Learn about the link between gender and e-mobility

About the training

In combination with the Forum, the UITP Academy is offering its in-person training programme on Procurement, Planning & Funding of Electric Buses giving a comprehensive overview on how to procure, plan and fund electric buses: from the setting of a long term city strategy in terms of energy transition to the definition of a charging strategy and the choice of technology and all the way to the procurement and the implementation and operation of the system. This training will give an insight into urban bus networks, importance of building sustainable infrastructure, and present learnings from successful major electric bus system procurement, implementation and financing. The training programme is ISO29990:2010 certified – the standard for learning services for non-formal education and training.

Who is it for?

- Project managers, engineers and other professionals eager to learn more about the technology, the implementation and the running of electric buses
- Staff from public transport operators or authorities planning to pilot or extend a fully-electric solution to the core part of the urban bus network
- Staff from Ministries of Transport, Infrastructure and environment interested in supporting a transition to electric buses in their country
- Professionals interested in obtaining a wider and international perspective on electric buses and eager to learn more from international best practice

AFRICA E-MOBILITY FORUM

Day 1, Tuesday 14 May 2024

Agenda		
Time	Item	Speakers
8.00	Registration	All organizers
8:30	Opening Remarks	Ms Aminata Maiga, UN Resident Coordinator Ms Dorota Panczyk, Delegation of the European Union to Senegal Mr Thierno Birahim, Managing Director of CETUD
9:00	Introduction Agenda and Tour the Table of Participants	Annika Berlin, UNEP
9.20	SOLUTIONSplus Overview of Activities and Learnings	Judith Owigar, UN-Habitat
9.40	Keynote: Importance of Public Transport Reorganization for Electrification	Chris Kost, ITDP
10.00	COFFEE BREAK	
10:30	Innovative Financing Mechanisms for Public Transport Electrification Presentations, followed by moderated panel discussion with Q&A <ul style="list-style-type: none"> • Meridiam • BasiGo • AfdB • World Bank • RMI • On Capital 	Arnaud Wernert, Meridiam Doreen Orishaba, BasiGo Komal Hassamal, AfdB Fatima Arroyo, World Bank Suleiman Babamanu, RMI Aminata Diouf, On Capital Moderator: Emilie Martin, Urban Living Lab Center
12.00	Gender Inclusion in E-mobility Projects <ul style="list-style-type: none"> • ULLC: Gender-inclusive E-mobility Checklist • ITDP: Cairo Public Transport and Nairobi BRT Line 3 Gender Inclusion Studies 	Emilie Martin, Urban Living Lab Center Chris Kost, ITDP
12.30	LUNCH BREAK	
13.30	Reskilling and Capacity Building Needs for E-mobility Panel discussion followed by Q&A <ul style="list-style-type: none"> • AFRICANEV: E-mobility Technician Training Programme • TUMI Academy: Digitalization of E-bus Projects • Dakar Mobilité: Skilling E-bus Operators • CODATU: E-paratransit 	Gad Ashiagbor, AfricaNEV Herman Kwoba, GIZ Yves Wininger, Dakar Mobilité Dominique Breuil, CODATU Moderator: Judith Owigar, UN Habitat

14:30	<p>Innovative, Locally Adapted and Resource-Efficient Electric Vehicles</p> <p>Presentations, followed by Q&A</p> <ul style="list-style-type: none"> • Overview of E-bike companies in Africa (Afema) • Opportunity for Localisation of Value, Job Creation and Manufacturing by African Start-ups: eWaka, Wahu Mobility, Proxy Mobility, mBay mobility, Stima mobility, Africrooze • Bus Retrofitting (SETEC) 	<p>Valerie Labi, Wahu Mobility Celeste Vogel, E-waka Jason Gras, Stima Mobility Rumbi Ebbefeld, Africrooze Matthew Sellar, MBay mobility Dorah Kingue, Proxy mobility Jeremy Rubel, SETEC</p> <p>Presentation and Moderation: Paschal Giki, Africa E-mobility Alliance (Afema)/Research Fellow Urban Living Lab Center</p>
16.00	COFFEE BREAK	
16.30	<p>Overview of the Development of E-mobility Policies in Senegal</p>	<p>Ministry of Transport, Senegal</p>
17.00	<p>Marketplace with Start-ups showcasing their Products</p>	<p>Mbay mobility Proxy Mobility Solarbox Energy Wahu Mobility Bob Eco Africrooze Stima Mobility eWaka BasiGo</p>
18.00	Networking Cocktail	

TRAINING PROGRAMME

Day 2, Wednesday 15 May 2024

8.45 Welcome and introduction to the course – UITP / Launch of RTC CETUD

Adrian POHER, Senior Training Manager, UITP Academy
Khadim CISSE, Project Coordinator, CETUD

9.15 Presentation of eBRT2030 tbc

Flavio GRAZIAN, Project Manager, UITP

9.45 Roundtable and expectations analysis

10.15 Coffee break

10.45 Session 1 – Introduction to topic: An electric solution for urban bus networks

Orel RIVALS, Directeur de projets, SYSTRA

What is an electric bus and how can electric buses contribute to making public transport network competitive and our cities sustainable? What are the drivers and barriers when it comes to the choice of technology? How can it affect the institutional organisation and governance in a city?

12.15 Lunch

13.15 Session 2 - E-bus technology and charging infrastructure & state of the electric bus market

Orel RIVALS, Directeur de projets, SYSTRA

This session will look into infrastructure and technologies used to run electric busses, whether it be the installation and running of charging infrastructure, the impact on information technology systems, driver assistance and standardisation of the connection.

15.00 Coffee break

15.30 Case Study: Planning and Preparation for paratransit electrification

Dominique BREUIL, membre du Bureau de CODATU

17.00 End of the day

Day 3, Thursday 16 May 2024

09.00 Session 3 - Getting the procurement process right

Jean-Marc BOUCHERET, Public Transport Sustainable Mobility Manager, Iveco

To successfully implement and run fully electric line, it is essential to make the tendering process evolve from a simple vehicle purchase to the tendering of a comprehensive electric system, taking into account life cycle costs, charging infrastructure, batteries, economic models, leasing and renting, etc.

- Tendering electric bus operations
- Financial constraints
- Launching a request for quotation
- Specifications
- Valuing tender criteria

10.30 Coffee break

11.00 Session 4 - Batteries for electric buses, infrastructure & auxiliaries

Jean-Marc BOUCHERET, Public Transport Sustainable Mobility Manager, Iveco

This session will look into new auxiliaries and technologies used to run electric buses, whether it be the installation and running of charging infrastructure, the impact on information technology systems, driver assistance, standardization of the connection or the technical evolution of the battery.

- Driveline – auxiliary components – technology & maintenance – infrastructure costs – examples of best practice
- Batteries: technologies – cell type – behaviour – management systems – lifetime – standards – safety – thermal management – models

12.30 Lunch

13.30 Case study: Planning and Preparation for an e-bus project

Winnie CHORE, Senior Officer Network Management, NAMATA, Kenya

14.30 Coffee break

15.00 Session 5 - Financial mechanisms for financing electromobility

Doreen ORISHABA, Managing Director, Basigo, Rwanda

16.00 Case study: E-BRT planning and implementation – Dakar

Gora SARR, Coordonnateur du projet BRT, CETUD

17.00 End of the day

19.00 Group dinner restaurant [Le Lagon 1](#)

Day 4, Friday 17 May 2024 – Technical visit

9.00 Study Visit – Dakar BRT

Bus visit, BRT corridor and main areas, Mobility house.

13.00 End of Study Visit

15.00 Optional Visit of Gorée Island (tbc)

20.00 End of Visit

**The organizers reserve the right to make amendments to the programme or any related activity at its discretion*