

# Reskilling and Capacity Building For E-Mobility in Africa

**Gad Senyuiedzorm Ashiagbor**  
**Executive Director - AfricaNEV**



# Glossary

- AfricaNEV - Africa New Energy and Vehicles
- E-mobility - Electric Mobility
- EVTT - Electric Vehicle Technician Training
- EV - Electric Vehicle
- CSO - Civil Society Organizations
- SDG - Sustainable Development Goals



# ABOUT



AfricaNEV is a forward-thinking organization dedicated to promoting and implementing e-mobility solutions across Africa. Our mission is to drive the transition towards cleaner, more sustainable transportation, and to support the development of a robust e-mobility infrastructure. We work with governments, businesses, and communities to create lasting change



# OUR TEAM



EXECUTIVE DIRECTOR

Gad Ashiagbor

DIRECTOR - ENVIRONMENT

Luttah Aluora

DIRECTOR - PARTNERSHIPS

John Msingo

DIRECTOR - COMMS

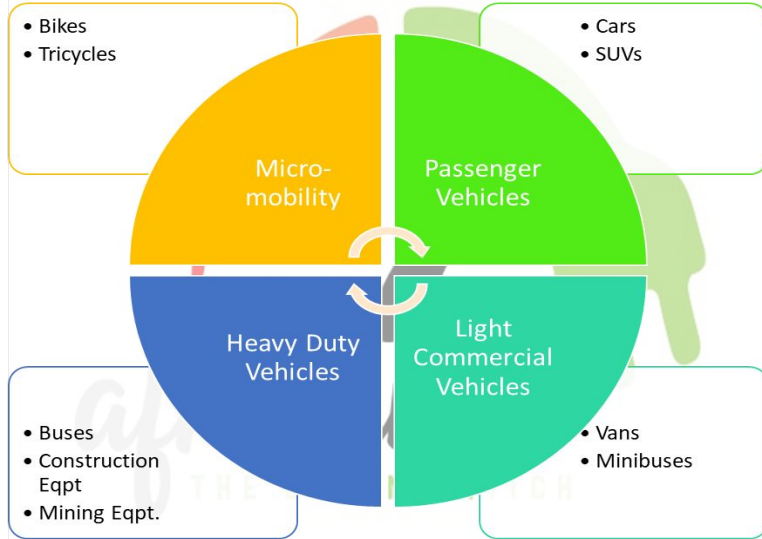
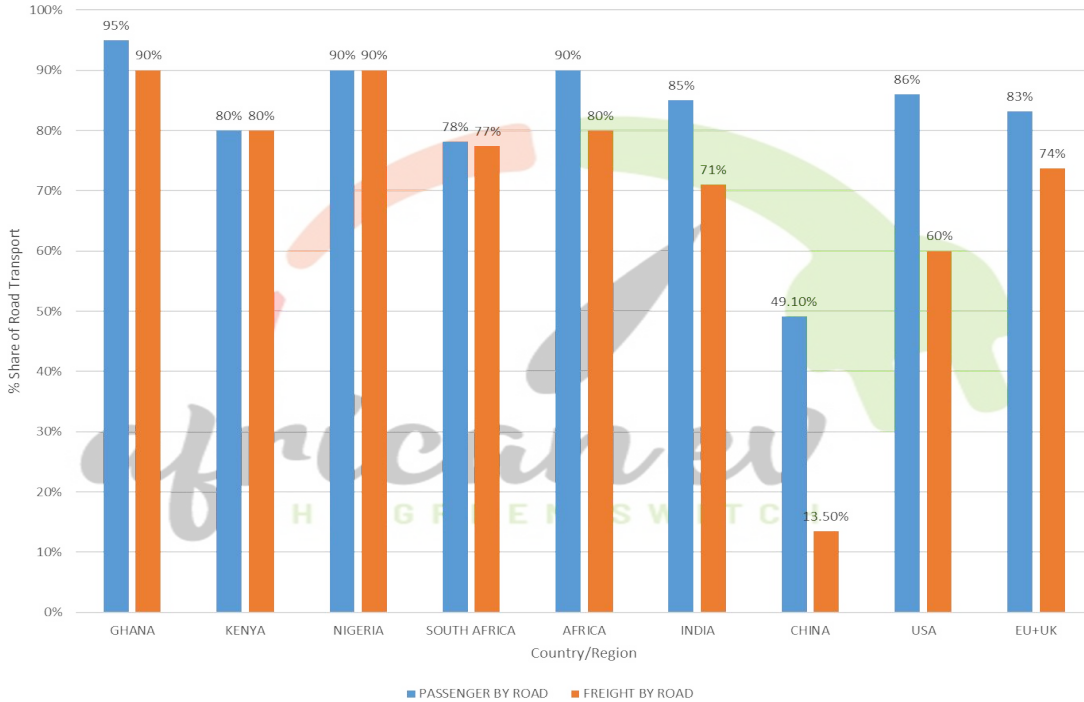
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DIRECTOR - E-MOBILITY

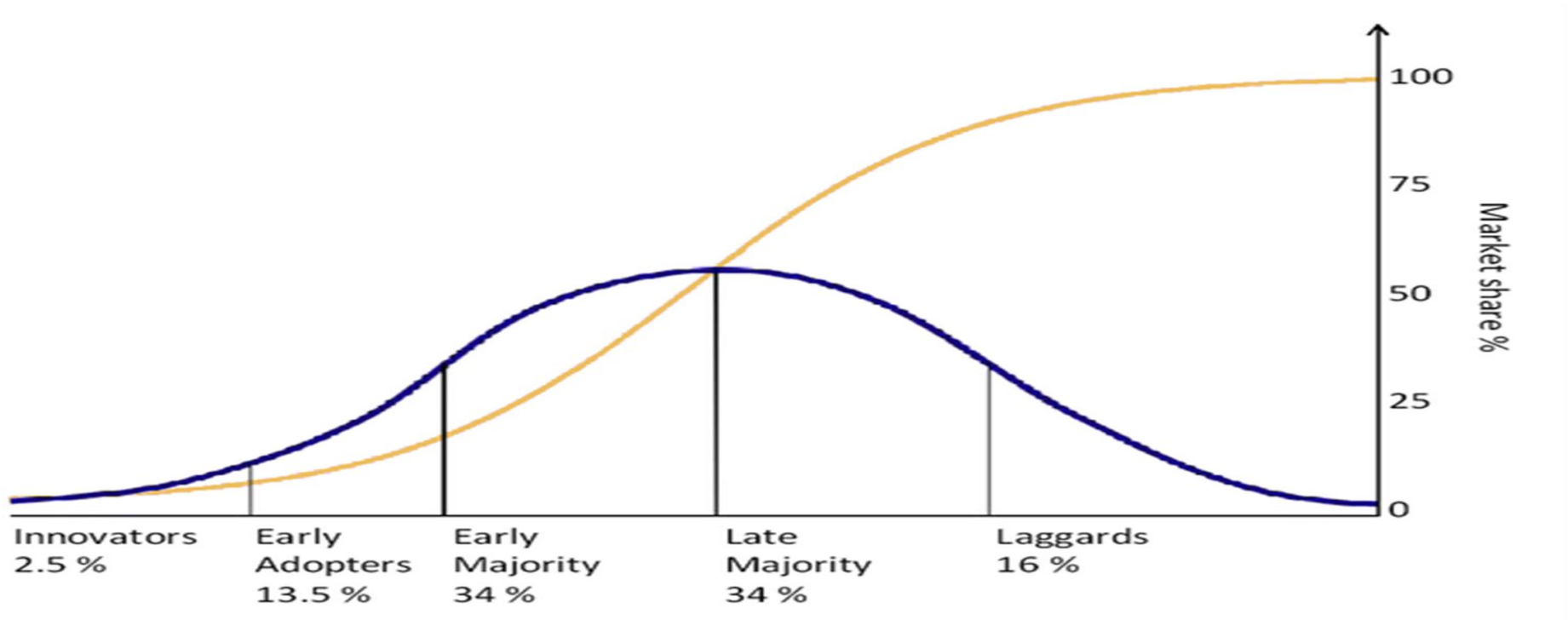
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# ROAD TRANSPORT IN AFRICA

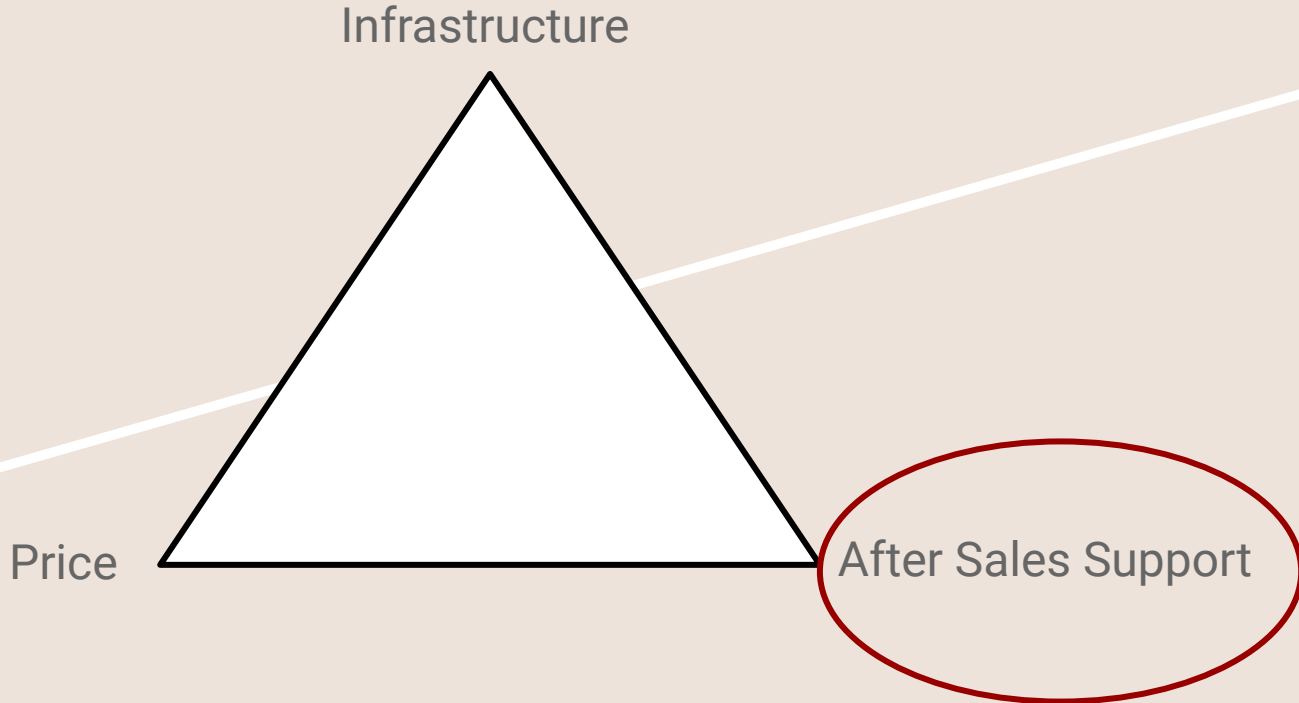
ROAD TRANSPORT (FREIGHT & PASSENGER) - GHANA COMPARISON WITH OTHERS



# HOW INNOVATION SPREADS



# BARRIERS TO E-MOBILITY ADOPTION





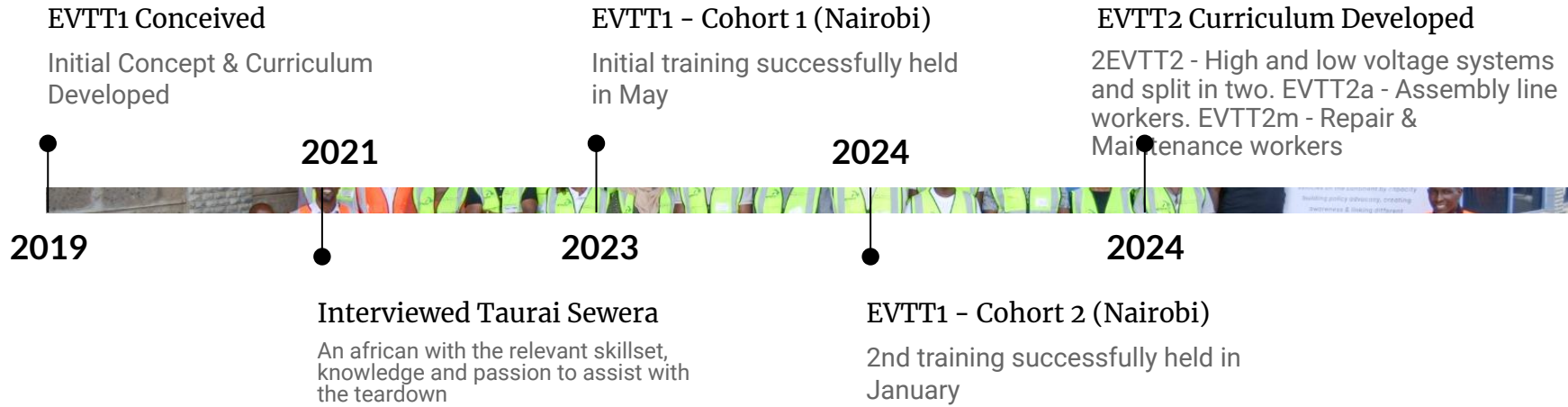
# INSUFFICIENT KNOWLEDGE OR SKILLS:

- 1 By repair and maintenance technicians
- 2 By transport/Energy policymakers and regulators
- 3 By insufficient knowledge by the finance and insurance industry
- 4 By educational, developmental agencies, CSO etc

# TRAINING FORMAT – Electric Vehicle Technician Training (EVTT)

- 1 Hands-on
- 2 Not more than 7 days per cohort
- 3 City based model with industry connection
- 4 Relevant, comprehensive and complete curriculum with quality delivery

# EVTT – TRAINING TIMELINE



# SCHEDULE FOR EVTT1

WEEK 1	Virtual training  14th May 2024					
	8.00 am	9:30 am	10.00 am	11:30 am	12.00 noon	1:30 pm
DAY 1	Introduction to EV History: Past Present	BREA K	Electric & Electronics Fundamentals.	BREA K	Introduction to Electric vehicle charging	CLOSE

# SCHEDULE FOR EVTT1

WEEK 2	Physical training					
	8.00 am	10:00 am	10.30 am	1:00 pm	2.00 pm	4:00 pm
DAY 2	High voltage vehicles, safety and PPEs	B	Complete EV Teardown	L	Complete EV Teardown	C
DAY 3	High Voltage System Component Operations	R	Complete EV Teardown	U	Complete EV Teardown	L
DAY 4	Tour of EV companies	E	Tour of EV companies	N	Tour of EV companies	O
DAY 5	EVSE Types & Diagnostics	A	Complete EV Teardown	C	Complete EV Teardown	S
DAY 6	Electric Vehicle Diagnostic, Tune-up & Maintenance	K	Hybrid Electric Vehicle Diagnostic, Tune-up & Maintenance	H	Assesments, Results & Graduation	E

# TRAINING OBJECTIVES & OUTCOMES

1 Complete understanding of the threats and opportunities of e-mobility

2 Hands-on practical insights into EV architecture & battery systems

3 A thorough understanding of EV issues, with the skills and effectively rectify problems

4 Knowledge of critical safety protocols, and routine maintenance for EVs

# TRAINING OBJECTIVES & OUTCOMES

5

Skilling, reskilling and upskilling of technicians and youths

6

Increase Research and Development in EV Technology

7

Amplify the momentum of EV adoption throughout the continent

8

Contribute to achieving SDG 8 and 13

# TRAININGS DONE SO FAR

Number of Trainees

**100**

So far, over a 100 people have been trained in two cohorts

Industries Trainees

**10**

Utilities, vehicle regulators, transport regulator, emobility, insurance, automotive, transport, consultancy, etc

Social Impact

**10X**

We estimate that each trainee will have at a least an impact on a minimum of 10 people



# LOCAL PARTNERS NEEDED

We need local partners for all African countries Except:  
Kenya, Ghana, Nigeria, South Africa and Zambia

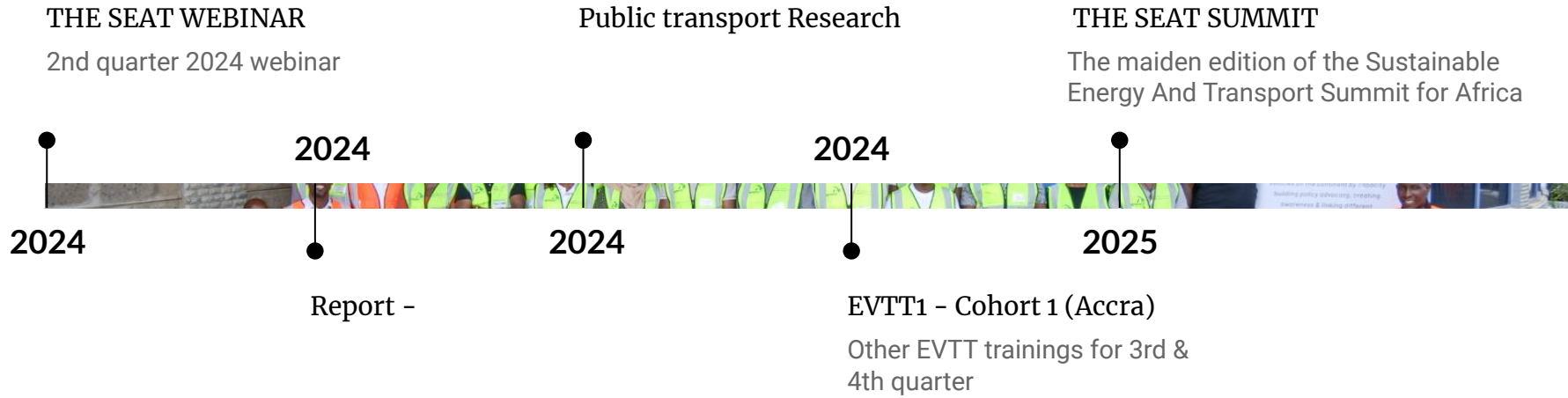
**What A Local Partner Does:**  
Handles operations and marketing for each training in a particular country.



# WHAT NEXT?



# OUR OTHER ACTIVITIES



14th May 2024



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+254 733 866 447 - Kenya  
+228 920 770 42 - Togo  
+234 803 427 7598 - Nigeria



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*Thank  
you!*



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