Environmental Leadership Programme on Sustainable and Resilient Infrastructure Digitalisation of Sustainable Transportation Infrastructure, 06.12.21



SolutionsPlus





State of e-mobility in African cities





E-mobility situation in Kigali



Opportunities:

- Reduction of carbon emissions
- Reduction of air pollutants
- Reduction of fuel imports
- Cost-efficient solutions
- Reduced operational costs

Strengths:

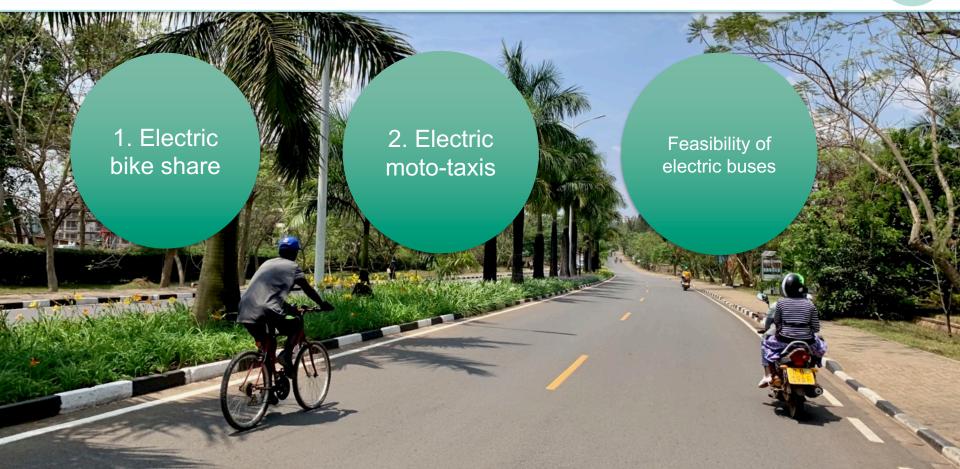
- Strong policy environment
- Ambitious incentives for e-mobility
- Numerous pilots
- Numerous organisations involved

Challenges:

- Lack of knowledge, e.g. on procurement models or where to locate charging points
- Investment costs and business models
- Standards and interoperability
- Lack of technical skills
- Limited interest of investors (being solved)

SolutionsPlus approach in Kigali





SolutionsPlus work in Kigali









Barrier: lack of data

SOL+: Data collection



Barrier: lack of knowledge SOL+: Capacity building



Barrier: lack of funding, technical barriers

SOL+: Support to start-ups





Barrier: lack of local integration SOL+: Mobility as a Service app.

urban planning



MERCADO SAN ROQU PROPOSED SCENARIO [MOBILITY ISLANDS

Barrier: lack of knowledge, policies, coordination

SOL+: Policy & coordination, scale-up & funding

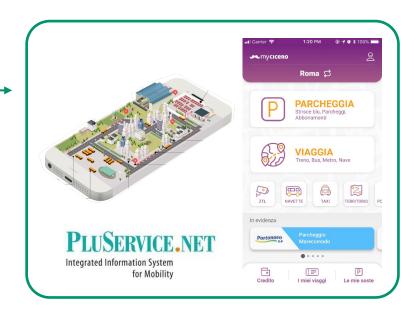


Mobility as a Service in Kigali



Mobility services: from multiple information channels and payment options to...

A single app integrating information and payment for all modes, including electric ones



Rwanda Utilities Regulatory Authority

City of Kigali

New mobility services

Ride-hail

Bus companies

IT companies

Digitalisation: key to the success of electric mobility

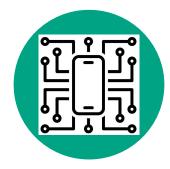


Fleet management & route optimisation











Battery management





Smart charging & vehicle-to-grid



www.solutionsplus.eu

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