

RWANDA'S PILOT TOWARDS GREEN URBANISATION

a sustainable and affordable
neighbourhood becomes a game
changer for Rwanda's capital Kigali



○ Partners

Rwanda Green Fund (FONERWA)
Green City Kigali Company (GCKC)
German Development Cooperation
implemented by KfW Development Bank
Green Climate Fund (GCF)

○ Timeline

Planning and Design: 2018 - 2023
Construction: 2024 - 2029



BACKGROUND

Rwanda, a small country in East Africa with a population of 12 million people, will experience increased population growth and accelerated urbanisation over the next thirty years. Today, population growth and changing environmental patterns are putting pressure on land, water, food and energy resources. In response to these challenges, the Government of Rwanda has decided to fundamentally change the way cities are built with the ambition of setting a new standard for sustainable urban development and initiating a **paradigm shift towards green urbanisation** in Rwanda - with lessons that could be shared across the region.

This commitment has inspired the Green City Kigali, the first green city in Africa.

Location ○

Kinyinya Hill, Kigali, Rwanda

Funding ○

Feasibility Study: EUR 3.0 M
Implementation: EUR 35.0 M
(additional funding to be secured)

PROJECT DESCRIPTION

The Green City Kigali is a **new sustainable neighbourhood for low and middle-income residents** being developed by the Rwanda Green Fund (FONERWA) with financial support from the German Development Cooperation through KfW Development Bank and the Green Climate Fund (GCF). The **first-of-its-kind in Africa**, the sustainable and affordable development will integrate green building and design, efficient and renewable energy, recycling and inclusive living as well as homegrown solutions and local construction materials. As a result, residents in Kinyinya will enjoy the social and economic benefits of urbanisation while limiting their ecological footprints. The 600 hectare city extension is expected to serve as a **model for sustainable urban development** that can be replicated across Rwanda and the wider region.

Initiate a paradigm shift towards green and sustainable urbanisation

Set standards for green housing solutions and sustainable urban development in Rwanda and Africa

Develop a model community linking affordable housing with climate change adaptation and mitigation

Design an urban space that promotes social cohesion, equality and inclusion and provides much-needed affordable housing for lower income groups

INTERVENTION AREAS



Urban Planning



Housing



Infrastructure and Basic Services



Affordability



Crosscutting



Outreach



WHERE WE ARE

KEY FIGURES



600 HECTARE
project area



30,000+
HOUSING UNITS
*The number refers to the entire 600 ha project area.



With the potential to create
15.000+ JOBS when fully developed

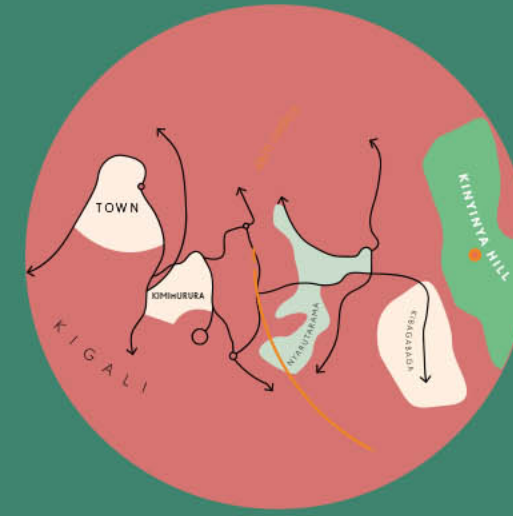


Framework for achieving
ZERO-CARBON by **2050**



150.000+ DIRECT
BENEFICIARIES

TIMELINE



A

PHASE A

Feasibility Assessment

Analysis of the current situation in Kinyinya Hill and design of sustainable and green solutions framework



B

PHASE B

Design Competition

Unique opportunity to develop an Urban Master Plan for the 600 ha project site by an internationally renowned architecture firm



C

PHASE C

Detailed Design

The design competition winner will develop the masterplan for the entire 600ha area and a detail plan for the 16 ha pilot site



D

PHASE D

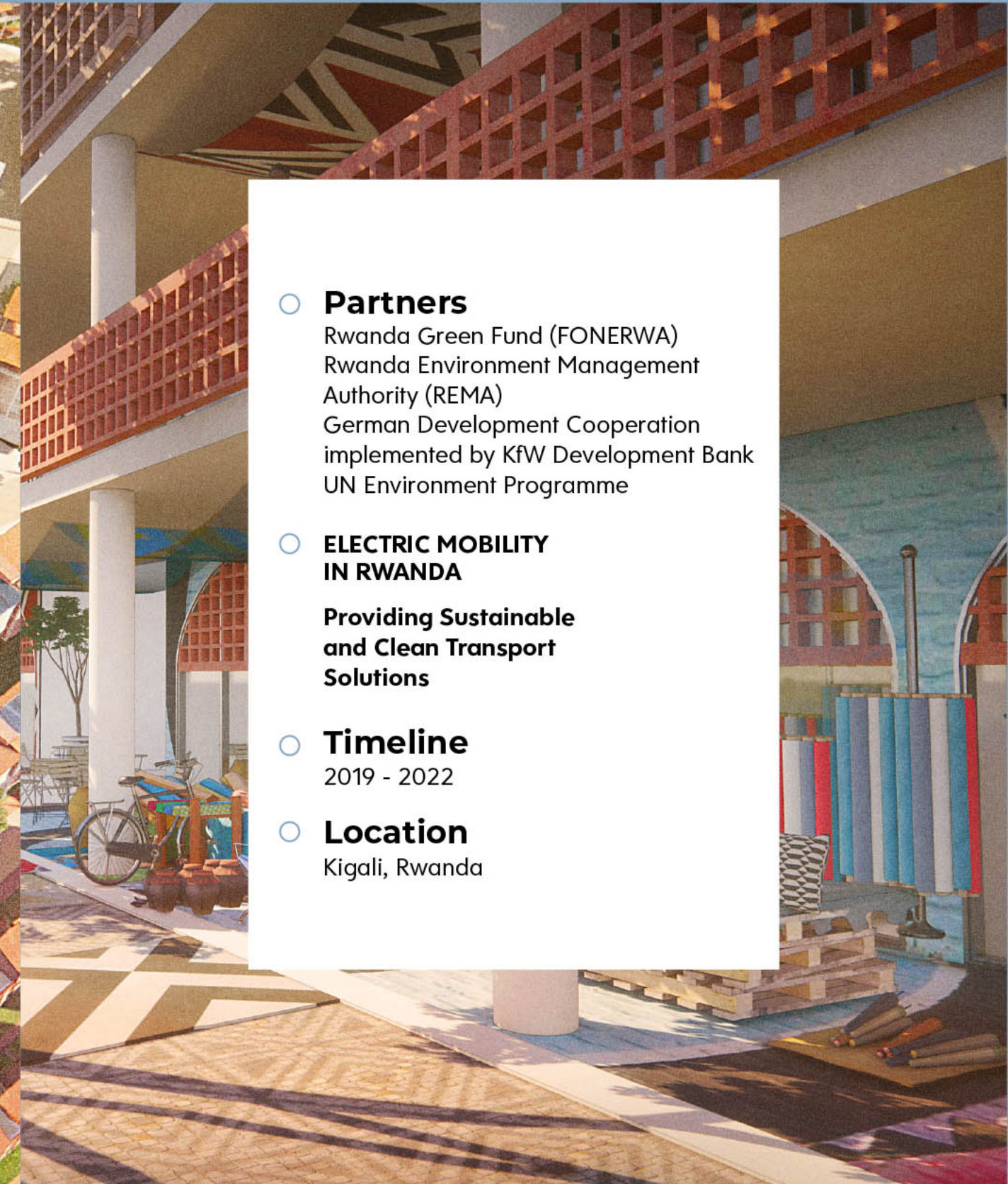
Construction

Construction of the first 16 ha pilot site



BACKGROUND

Rwanda's economy is growing at a fast pace causing a rise in transport volume and a rapidly growing number of vehicles in the country. This leads to increased air pollution, congestion, and oil imports. The Government of Rwanda identified electric mobility as a potential solution to introduce clean and sustainable transport of goods and people to the country. Already today, there are a number of market actors offering electric mobility services such as electric motorcycle taxis and electric car taxis in Kigali.



○ Partners

Rwanda Green Fund (FONERWA)
Rwanda Environment Management Authority (REMA)
German Development Cooperation implemented by KfW Development Bank
UN Environment Programme

○ ELECTRIC MOBILITY IN RWANDA

Providing Sustainable and Clean Transport Solutions

○ Timeline

2019 - 2022

○ Location

Kigali, Rwanda



PROJECT DESCRIPTION

The aim of the SMART project is to facilitate a shift to electric vehicles in Rwanda through data gathering/baseline setting, technical assessments, awareness raising and policy development. The project is jointly implemented by the Rwanda Green Fund (FONERWA) and the Ministry of Infrastructure with financial support from the German Development Cooperation through KfW Development Bank and UN Environment.

Challenges identified by the SMART project for the introduction of electric mobility in Rwanda are the high up-front costs to purchase the vehicles, an existing market for imported old second-hand cars and barriers linked to electricity tariffs and regulations for electric mobility. At the same time market operators have displayed innovative approaches to find business models to enable access to the technology and the government is working to facilitate and stimulate the further growth of electric mobility in Rwanda.



TIMELINE

- **Task 1**
Background and feasibility study
- **Task 2**
Policy options and implementation
- **Task 3**
Development of pilot project proposals

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