Federal Ministry
for Economic Cooperation
and Development

Published by
giz Deutsche Gesellschaft
für Internationale
Zusammenarbeit (GIZ) GmbH



Kenya has abundant renewable energy, especially geothermal, hydro, wind and solar energy.

GERMAN GOVERNMENT AND FEDERAL STATES PROGRAMME
BUND-LÄNDER-PROGRAMM (BLP)

Federal state – partner country
Bavaria – Kenya

Title
Establishing a Bavarian-Kenyan cooperation platform for promoting a green hydrogen ecosystem in Kenya

In cooperation with the GIZ programme
Developing the foundations for a green hydrogen economy in Kenya

Financing arrangements

BMZ contribution	194.879 EUR
Bavaria contribution	779.554 EUR

Duration
01.01.2025 - 31.12.2026

Responsible ministry
Bavarian State Chancellery

This project helps to achieve the following Sustainable Development Goals (SDGs):



Promoting green hydrogen through co-operation and networking operation

Local situation

Kenya has considerable potential for pioneering the development of renewable energy in Africa, particularly in geothermal energy, hydropower, and wind and solar power. Even though Kenya's energy needs are rising rapidly (partly due to its growing economy), the country plans to meet 100% of these needs with renewable energy by 2030 – today the figure is already over 90%.

The Republic of Kenya has set itself the goal of putting the right institutional and economic framework conditions in place for establishing a green hydrogen (GH2) ecosystem. This will include creating value chains for various procedures to convert electricity into other forms of energy (Power-to-X). Kenya is currently building up the relevant sector-related and technological expertise. However, it lacks certain items such as appropriate promotional instruments and strategies. In this process of transforming Kenya's economy and its energy sector, a key role is played by the industrial park in Olkaria, which is under construction at present. The park will accommodate a variety of corporate, production and service clusters in the field of Power-to-X.

The project plans to set up a Bavarian-Kenyan cooperation platform which will promote an ecosystem for green hydrogen in Kenya. The platform is also intended to utilise the industrial park and to stimulate other players, as the park is seen as having

"In supporting the development of green hydrogen lab, the Bavarian – Kenyan cooperation platform will strengthen innovation, research, and development in the field of green hydrogen and its derivatives."

Eng. Isaac Kiva,
Secretary Renewable Energy Directorate, Minstry of Energy an Petroleum



The project supports training, further education, and research and development in green hydrogen in Kenya.

great potential. The initiation of business relations between companies will offer Bavarian businesses and Kenyan stakeholders huge potential for contributing to hydrogen projects.

Cooperation

The project draws on the partnership for climate and development established between Germany and Kenya in November 2022, and cooperates closely with the BMZ-financed project 'Developing the foundations for a green hydrogen economy'.

The cooperation partners in Bavaria are the Bavarian State Chancellery and the Bavarian Research Alliance. The direct partners in Kenya are the Ministry of Energy and Petroleum (MoEP) and the country's largest power company, the Kenya Electricity Generating Company PLC (KenGen). Industry associations and research facilities are also involved.

What we are doing - and how

The project's objective is to set up a cooperation platform for green hydrogen in Kenya to encourage green-hydrogen-related alliances between Bavarian and Kenyan stakeholders from private enterprise, research and development, and the training sector. In addition, the project aims to connect with relevant GH2 networks in Bavaria and Europe, and others at the pan-African and international levels. The establishment of a physical office and a laboratory with a demonstration plant will put the cooperation platform on a permanent footing and enable it to serve as a unique testing centre for GH2 solutions in Kenya. Furthermore, an incubator programme will address specific questions and challenges relating to GH2 with teams of players from Kenya and Bavaria. The project places a special focus on involving women. A female mentors' programme networks Kenyan women from local government, research and the private sector with Bavarian experts. They also receive training specifically designed to meet current needs. Delegation visits, study trips and information campaigns about the platform and the state-of-the-art in Kenya and Bavaria complete the project's activities.

Useful links

- Further information on the BLP:
  https://www.giz.de/en/worldwide/132983.html-
  https://bund-laender-programm.de/en
- Further information on the cooperating GIZ project:
  https://www.giz.de/en/worldwide/205164.html
- German-Kenyan partnership for climate and development:
  https://h2diplo.de/kenya/
- Power-to-X projects in Kenya
  https://ptx-hub.org/kenya/

Published by
Deutsche Gesellschaft
für Internationale Zusammenarbeit (GIZ) GmbH

Registered offices
Bonn and Eschborn | Germany

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Status
July 2025

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