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



Federal state – partner country

Bavaria – South Africa

Title

Setting up an E-cargo-bike infrastructure for more climate-friendly and sustainable transport of goods in Stellenbosch, South Africa

In cooperation with the GIZ programme

Climate Support Programme IV (CSP 4)

Financing arrangements

BMZ contribution	EUR 140,457
Bavaria contribution	EUR 91,870

Duration

01.04.2022 – 31.03.2023

Responsible ministry

Bavarian State Ministry of the Environment and Public Consumer Protection

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



Lark Cycle employees building an E-Cargo-bike

Using Electric Cargo Bikes for Climate-friendly Transport of Small Goods

Local situation

South Africa is Africa's largest carbon dioxide emitter and aims to significantly reduce emissions by 2050, with up to 5 per cent of the reduction to be achieved in the transport sector. This goal is based on a strategy for climate-friendly transport that uses electric vehicles and solar-powered charging stations. E-bikes are an important factor in the strategy.

South Africa is also facing a very high unemployment rate, especially among young adults, which is currently projected to reach around 38 per cent of the total population by 2026. E-cargo-bikes will offer an alternative to fossil fuel-powered vehicles and make an important contribution to climate protection. At the same time, they will create new employment opportunities in repair and other services and potentially motivate people to start their own businesses. Disadvantaged members of the population can particularly benefit from these opportunities.

“This project will enable us to introduce a sustainable micro-logistics system in Stellenbosch, which will alleviate traffic congestion, reduce carbon emissions, and create much needed employment in the form of owner-driver opportunities for unemployed people. The project is catalysing local innovation and laying a pathway for future sustainable commuting.”

Herman van der Merwe,
Chairperson, SEED



Participants at the kick-off workshop in September 2022 in Stellenbosch

Cooperation arrangements

As part of the project in the German Government and Federal States Programme (German: Bund-Länder-Programm, BLP), GIZ is cooperating in Germany with the Bavarian company Innovationsmanufaktur and in South Africa with Lark Cycle, a local manufacturer, Seepglad, as well as the non-governmental organisation Stellenbosch Entrepreneur and Enterprise Development (SEED). SEED specialises in establishing micro and small enterprises, while Seepglad is responsible for logistics-related matters and the needed infrastructure. Lark Cycle works on developing bicycles and has already manufactured an e-prototype. Innovationsmanufaktur supports the project with a proprietary holistic approach to innovation, which takes into account relevant needs, motivation and trends in order to put their goal of achieving sustainable impact into practice.

The programmatic aspects of the BLP project build on GIZ's Climate Support Programme (CSP4) in South Africa.

What we are doing – and how

The project has set out to develop a locally adapted solution for establishing an E-cargo-bike scheme for transporting small goods. The pilot phase is implemented in Stellenbosch, where the prerequisites for logistics are in place and the use of motorcycles is proving to be a growing problem. The bicycle manufacturer Lark Cycle, whose headquarters are in Stellenbosch, will further develop the e-bike prototype to meet the requirements and provide two cargo bikes for a

three-week test phase. At a workshop attended by political, private sector and civil society representatives, participants will identify needs for the E-cargo-bikes. The South African partners will undertake a study and networking trip to Bavaria, in which they will visit examples of e-mobility projects and connect with experts. At the wrap-up workshop, the developed system will be presented in Stellenbosch and a roadmap drawn up to demonstrate the sustainable establishment of the system in Stellenbosch and other places in South Africa and beyond.

Useful links

- Further information on the German Government and Federal States Programme:
<https://bund-laender-programm.de/en>
<https://www.giz.de/en/worldwide/91262.html>
- Further information on SEED:
<https://www.seedsa.org.za/>
- Further information on Innovationsmanufaktur GmbH:
<https://innovationsmanufaktur.com/en/>
- Further information on the GIZ climate support programme:
<https://www.giz.de/en/worldwide/107813.html>

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An der Alster 62 | 20099 Hamburg | Germany
blp@giz.de | www.bund-laender-programm.de/en
Editors Dieter Anders (legally responsible for content),
Dr. Regina Tauschek, Annika Kolberg
Design kippconcept gmbh, Bonn | Germany

On behalf of the German Federal Ministry for Economic Cooperation and Development (BMZ)
Division 513:
Federal states, local authorities
Address of BMZ offices
BMZ Bonn
Dahlmannstr. 4
53113 Bonn | Germany
T +49 (0)228 99 535 0
poststelle@bmz.bund.de | www.bmz.de/en
BMZ Berlin | Im Europahaus
Stresemannstr. 94
10963 Berlin | Germany
T +49 (0)30 18 535 0

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