

Blue Carbon Mangrove Project

Afforestation of mangroves in Kenya for increased biodiversity and resilient coasts

Mangrove forests are regarded as the **most productive ecosystems** when it comes to carbon sequestration and storage on earth, commonly referred to as “blue carbon.”

In Tanzania, our project goes above and beyond by capturing **five times** more CO₂ from the atmosphere compared to any other forest. The value of blue carbon is immense as it effectively combats climate change while also delivering social and environmental benefits in line with the Sustainable Development Goals (SDGs).

Moreover, mangroves play a crucial role as a **protective barrier** against tsunamis and floods, offering habitat to marine organisms, and creating new sources of income for local communities.

Through the implementation of this project, we anticipate a **removal** of approximately **300,000 tCO₂** in greenhouse gas emissions over a span of 15 years.

1,000

hectare degraded

20,000

tons captured yearly

309

jobs created, 211 of which are held by local women

300,000

tons captured over project lifetime



This project contributes to the following SDGs:



SUSTAINABLE DEVELOPMENT GOALS



Blue Digital Measurement and Reporting

Econetix enables the project to **become transparent** and visible, digital inclusion in each of our projects means that we can use the project to **create a knowledge transfer** within each project. We can build data centers and include the community digitally, to help them understand the data we measure. That in turn means, that the available data **helps them and guides them in their efforts** to plant mangroves and crops. Understanding the data means, understanding the weather and therefore utilize and **optimize** the resources to provide **towards a future that is guided by the SDGs**.

Econetix **brings transparency** into the project, through measuring the data which in turn, can make the project visible on a global scale, we foster UNIDO's **Progress by Innovation**, to put that method at the heart of each project. All the **data** measured will be provide **to the communities** included in the work, and we can therefore start to collect data now in an effort to **learn** about what parameters influence the process.

