ECO NETIX

Building Trust in the Carbon Market

Pioneering the Largest Portfolio in Africa

econetix.net

Our Mission

Trust & Transparency in the African Carbon Market

In a world where the necessity to reduce carbon emissions and preserve our ecosystem is undeniable, we are committed to fostering **transparency** in the carbon market and expanding the availability of **reliable,** high-quality carbon credits in Africa.

The current challenge lies in the manual or other questionable practices of **Measurement, Reporting,** and **Verification (MRV)** for carbon usage, which often result in error-prone and insufficient data. We strive to establish a robust system that ensures accurate and **trustworthy** information, enabling effective carbon reduction strategies and a sustainable future.

PROBLEM

Lack of transparency and integrity in the carbon market

SOLUTION

Measuring and reporting on carbon emissions digitally for full integrity

HOW

By implementing an IoT system that utilizes smart sensors, satellite imaging, weather data, and AI algorithms, you can effectively monitor any given space and generate data-driven reports to visualize and analyze your carbon footprint.

Building a Sustainable Future

Achieving carbon emission reduction is a feasible goal that spans various domains.
As we embark on our mission, we prioritize **three key areas** of focus, aiming to build a sustainable future. In addition, carbon credits enable financing and implementation of comprehensive datamapping in Africa, thus unlocking the continent's full potential of agriculture and renaturation.

BlueFutures

Utilizing the diversity of marine and coastal ecosystems to store carbon naturally

GreenFutures

Re-discovering photosynthesis to take up carbon from the atmosphere

YellowFutures

Shifting to sustainable use of resources and providing clean and affordable energy

TANZANIA

BlueFutures
Project-ID: 02-01

Blue Carbon Mangrove Project

Afforestation of mangroves in Tanzania 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 CO_2 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 **488,550 tCO2** in greenhouse gas emissions over a span of 30 years.

16.285
Captured Emissions
Tons CO_2 EQ / Year

488.550
Captured Emissions
Tons CO_2 EQ Total

Climate Connect Digital / Partner
Validator

Verification Standard
Verified Carbon Standard
A VERRA STANDARD

This project contributes to the following SDGs:

SUSTAINABLE DEVELOPMENT GOALS

ANGOLA

GreenFutures
Project-ID: 01-01

Green West-African Afforestation Project

Afforestation of mixed forests in Angola for increased biodiversity

This afforestation project will be carried out in Angola, involving the **local population** and strictly considering their needs.

The areas will be planted as deciduous mixed forests, partially combined with coniferous mixed forests. Special attention is given to the **involvement of women** in the project activities.

By implementing the project activity, greenhouse gas emissions will be **reduced** by approximately **6,085,800 tCO2** over 30 years.

202.860
Captured Emissions
Tons CO_2 EQ / Year

6.085.800
Captured Emissions
Tons CO_2 EQ Total

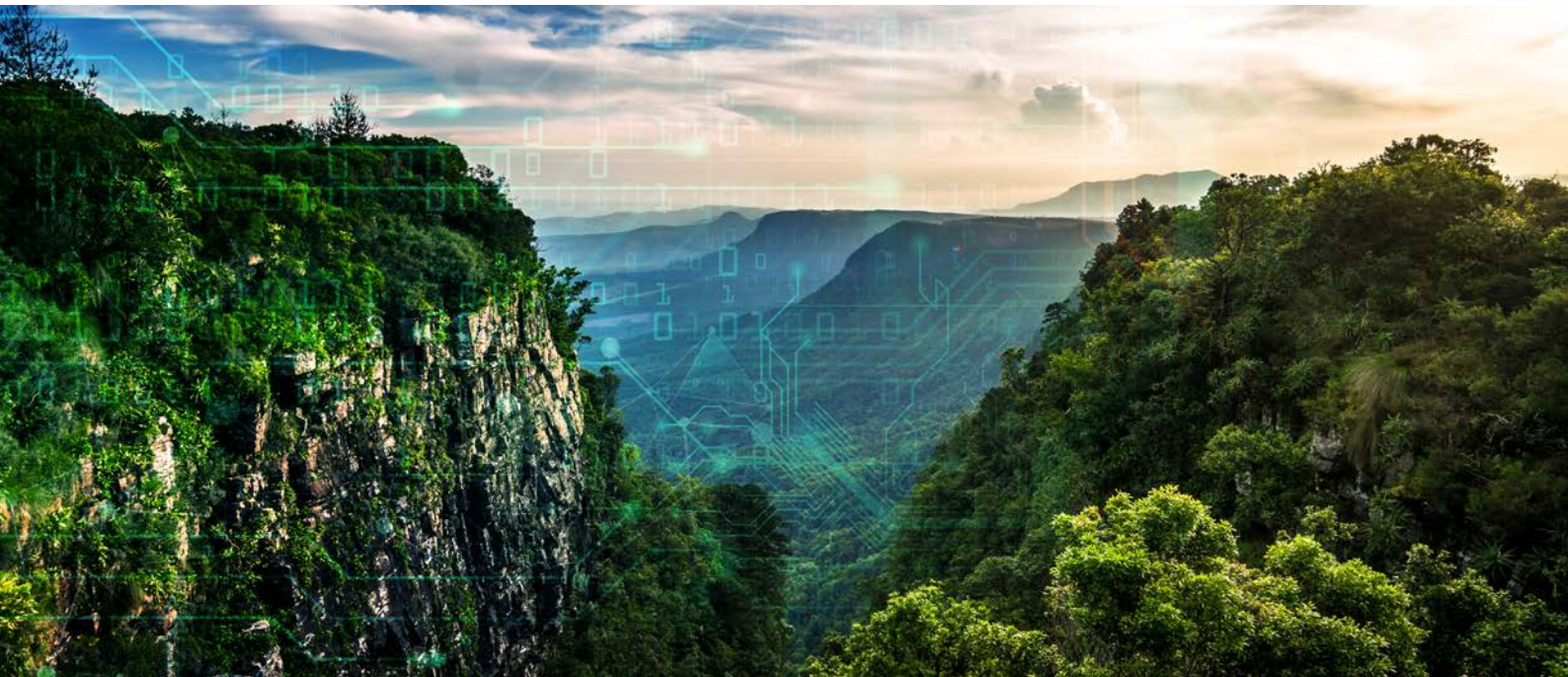
Climate Connect Digital / Partner
Validator

Verification Standard
Verified Carbon Standard
A VERRA STANDARD

This project contributes to the following SDGs:

5 GENDER EQUALITY
8 DECENT WORK AND ECONOMIC GROWTH
13 CLIMATE ACTION
15 LIFE ON LAND

SUSTAINABLE DEVELOPMENT GOALS



DEMOCRATIC REPUBLIC OF CONGO

YellowFutures
Projekt-ID: 03-01

Yellow Solar Lanterns and Home Systems Projects

Shifting from fossil fuels to clean energy in the Democratic Republic of Congo

The goal of this project is to **reduce greenhouse gas emissions** by replacing fossil lighting systems with solar lighting systems (SLS) in low-income households, community organizations, and small/medium enterprises, particularly in rural areas of the Democratic Republic of Congo (DRC).

These products provide **clean, renewable energy** for lighting. The project will address significant challenges in public health, social issues, education, and the economy through the benefits of carbon dioxide emission offsetting.

By implementing the project activity, greenhouse gas emissions will be **reduced** by approximately **2,603,600 tCO2** over 15 years.

185.971
Avoided Emissions
Tons CO_2 EQ / Year

2.603.600
Avoided Emissions
Tons CO_2 EQ Total

Climate Connect Digital / Partner
Validator

Verification Standard
Gold Standard for the Global Goals

This project contributes to the following SDGs:

SUSTAINABLE DEVELOPMENT GOALS

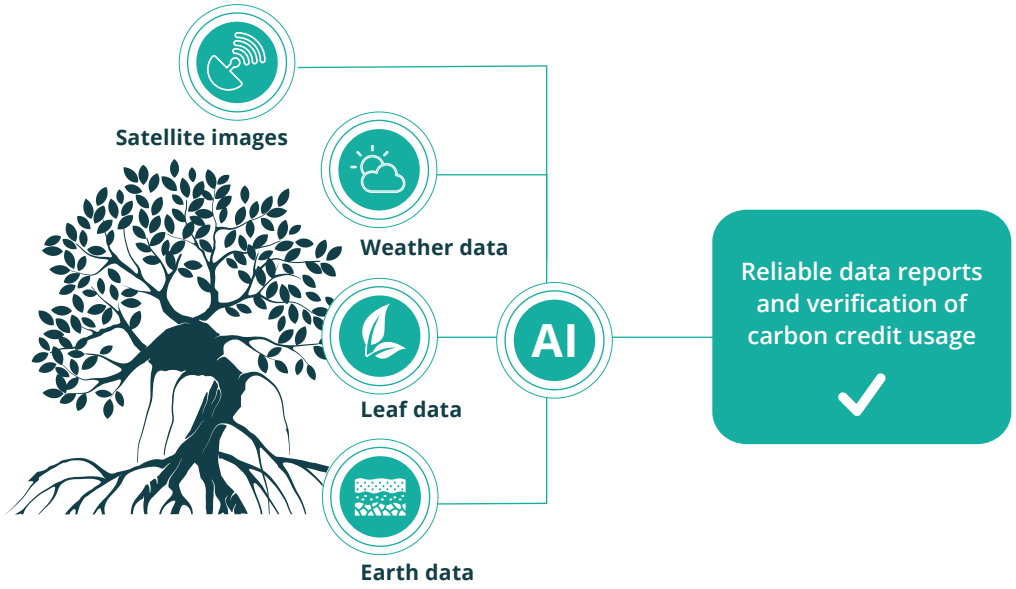
Exploring Use Cases:
Validating Carbon Emission Data

Econetix offers a comprehensive solution for ensuring **accurate** and **transparent data** while actively contributing to the development of a greener planet and the fulfillment of UNIDO's Sustainable Development Goals.

Through the implementation of MyDataPlanet, an IoT platform that leverages **smart sensors** and advanced **AI technologies**, any area can be effectively monitored. By integrating real-time **weather data** and **satellite imagery**, this groundbreaking solution delivers accurate evidence-based data for carbon credit usage.

BlueFutures MANGROVES

Combining satellite images, earth and leaf sensors, and weather data provides **accurate proof** of carbon emissions and validates carbon credits. The integration of AI further enhances the algorithms used in this process. For instance, if the satellite images indicate a higher presence of brown leaves or dead trees, the weather data can be used to confirm or discredit the collected information, ensuring the **reliability** of the data.

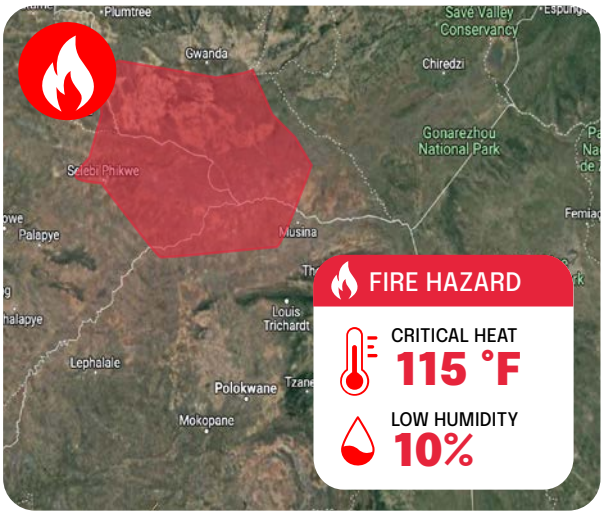


Satellite image highlighting dead mangroves

GreenFutures
FIRE HAZARD

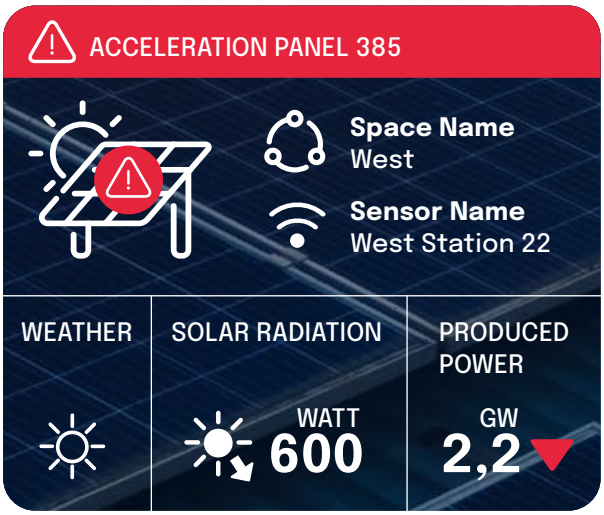
Implementing an **early detection** system for **forest fires** using smart sensors, MyDataPlanet minimizes the risk and helps to quickly contain a fire, thereby saving CO_2-reducing trees.

These smart sensors continuously gather important data on **temperature, humidity,** and **smoke development**, sending it in real-time to a central monitoring system.



YellowFutures
SOLAR PANEL CONTROL

By continuously monitoring the system, MyDataPlanet can quickly identify any **discrepancies** and determine whether the system is delivering on its promises or not. With the ability to **detect** any **acceleration** in panels or other potential issues, such as **dust deposits**, the need for costly and time-consuming manual controls becomes irrelevant.



SATELLITE IMAGING

Real-time integration through API for daily or monthly data, along with historical views and documentation, surpassing the need for elaborate drone shots.

WEATHER STATIONS

Access to real-time data, historical data, and precise forecasts for comprehensive insights.

ARTIFICIAL INTELLIGENCE

Machine learning, a branch of artificial intelligence, offers numerous benefits that extend beyond algorithmic insights.

By integrating AI learning, businesses can enhance efficiency and accuracy while also contributing to the reduction of their carbon footprint.

IoT NETWORK

Effortlessly deployable battery-run sensors transmit data to our advanced network for efficient analysis.

SUSTAINABILITY TV

Solar-powered cameras deliver live images, combined with sensor data, for enhanced reliability and verification.

SUSTAINABLE DEVELOPMENT GOALS

ECO NETIX

A company driven to showcase Africa's potential dedicated to high quality carbon projects fostering transparency in the market. Founded by Jakob Zenz, Sereal Entrepreneur and Honorary Consul.

CONTACT US