



The objective of the project is to distribute energy efficient cook stoves and water treatment systems to households and institutions in order to reduce the consumption of biomass associated with cooking and water treatment.

Local Situation:

In the rural areas of Kenya people cook and boil water over open fireplaces or with inefficient cooking stoves fired with biomass, such as firewood or charcoal. This produces a massive amount of smoke emissions. According to the World Health Organization, 1.6 million people die due to respiratory diseases annually. Drinking water which has not been sufficiently boiled is also a significant health risk. Most Kenyan households spend a significant portion of their time and income to acquire the fuel that is needed for cooking and boiling water. The constant procurement of firewood by the Kenyan population results in the exhaustion of wood supplies around townships. The annual deforestation rate is thirteen times higher than the ongoing reforestation. Therefore, many people are forced to walk further from town (up to 15 km per day) to collect firewood and charcoal. In worst cases, mothers are gone for many hours, causing difficulties for children and nursing infants. In some communities, girls are tasked with collecting firewood, a responsibility which can keep them from attending school.

Effect for Climate Protection:

Within the “Paradigm Healthy Cook Stoves and Water Treatment Project” roughly 100,000 energy efficient cook stoves will be produced and a variety of different water treatment systems will be distributed to households and institutions. This way, different approaches of saving greenhouse gas emissions are combined for a bigger impact on climate.

Sustainable Development:

By preserving the forest, the project protects the local environment as an important habitat for animals and plants. The local population’s health benefits from a significant reduction in smoke emissions. Less needed fuel and, in consequence, saved time and money to procure firewood and charcoal allow the population to get more invested in other areas of life. With the production, marketing and maintenance of cook stoves and water treatment systems, additional jobs are created in structurally weak regions, thereby promoting the sustainable economic development of Kenya.

Portfolio

Energy efficiency

Project standard

Gold Standard

Climate Security & Sustainable Development

Emission reduction

approx. 485,000 t CO₂e p.a.

Project status

VER, certified (GS 966)

Location

Kenya

Project validation/verification

DNV – Det Norske Veritas

Sustainable Development Goals

