

## **SCC – Industries UG (haftungsbeschränkt)**

The transformation of the charcoal industry into a circular based economy that contributes to a sustainable future!

### **Problem:**

Archaic, inefficient and eco-unfriendly charcoal production practices in combination with unsustainable harvesting, result in massive global deforestation and pollution. The demand for charcoal is still crucial for the provision of 3 billion people with energy to cook their food as access to reliable and affordable energy still remains a challenge. In Africa, the demand is predicted to triple by the year 2050.

### **Business Summary:**

SCC – Industries (Sustainable Carbon Cycle Industries) designs business models that provide sustainable energy while considering the development of society and environmental preservation. Believing that to achieve a sustainable future and the SDG's the regional conditions and existential local demands, such as traditional energy sources, need to be taken into account. The business model is the introduction of a sustainable, low-carbon and waste-free green energy production, in the form of green charcoal and electricity from abundantly available residual biomass waste from industries, agriculture, and communities. Using organic waste instead of living trees and turning it into valuable products such as electricity, issued carbon credits and recovered liquid by-products the efficiency is more than doubled while pollution is reduced by more than 95%, resulting in an eco-friendly and eco-efficient industry. Thereby creating large scale employment, providing Tanzanian households with a sustainable alternative and preventing GHG emissions and deforestation. By these means, SCC- Industries aims to replace traditional production methods which are highly environmentally damaging – hereby contributing to achieving the Sustainable Development Goals (SDGs).

### **Products and services:**

Green Charcoal, Electricity, Carbon Credits, Liquid By-products

### **Target market:**

Africa, in the current project mainly Tanzanian households. The industrially produced charcoal is cross financed so that it is affordable.

### **Past milestones:**

Winner of the Finnish-Tanzanian Biomass Challenge: 15-year supply agreement with Kilombero Valley Teak Company

### **Vision:**

By initiating their pioneer project in Tanzania and turning it into a blueprint which could be spread over the entire globe SCC- Industries envisions turning the disorganized, unregulated and environmentally damaging charcoal industry into a circular economy-based industry benefiting the environment, society and the economy. By remodeling and integrating an informal sector, so that it is committed to „closing the loop“ of current consumption practices through re-thinking, reducing, reusing and recycling.