

Cultivating Sustainability: Biochar-Based Carbon Removal Systems Integrated with Bio-methane Plants and the Farming Community


Exploring synergies for sustainable agriculture and climate action

Claudio Mander / 29.6.2023

Trinity Biocarbon[™]

ABOUT US

INDUSTRIAL-SCALE CARBON REMOVAL TECHNOLOGY



Trinity Biocarbon is a climate technology company that designs, develops, and operates biochar-based carbon removal projects.

TRINITY BIOCARBON IS DEVELOPING ITS FIRST PROJECT IN EGYPT.

Employing state-of-the-art technology, Trinity Biocarbon converts waste biomass into high-quality biochar that can be used in a variety of applications, provides verified atmospheric carbon removal services, and generates renewable energy. The project addresses several global and regional challenges including climate change as well as food and water security.

OUR MISSION IS TO DRAWDOWN ATMOSPHERIC CARBON AT SCALE WHILE DEVELOPING BIOCARBON-BASED PRODUCTS THAT PROMOTE SUSTAINABILITY AND THE CIRCULAR ECONOMY.



TRINITY BIOCARBON IS
A MEMBER OF
THE INTERNATIONAL
BIOCHAR INITIATIVE (IBI).

Trinity Biocarbon

NATURE + TECHNOLOGY

A HYBRID SYSTEM THAT FACILITATES THE CAPTURE,
CONVERSION AND STORAGE OF ATMOSPHERIC CARBON



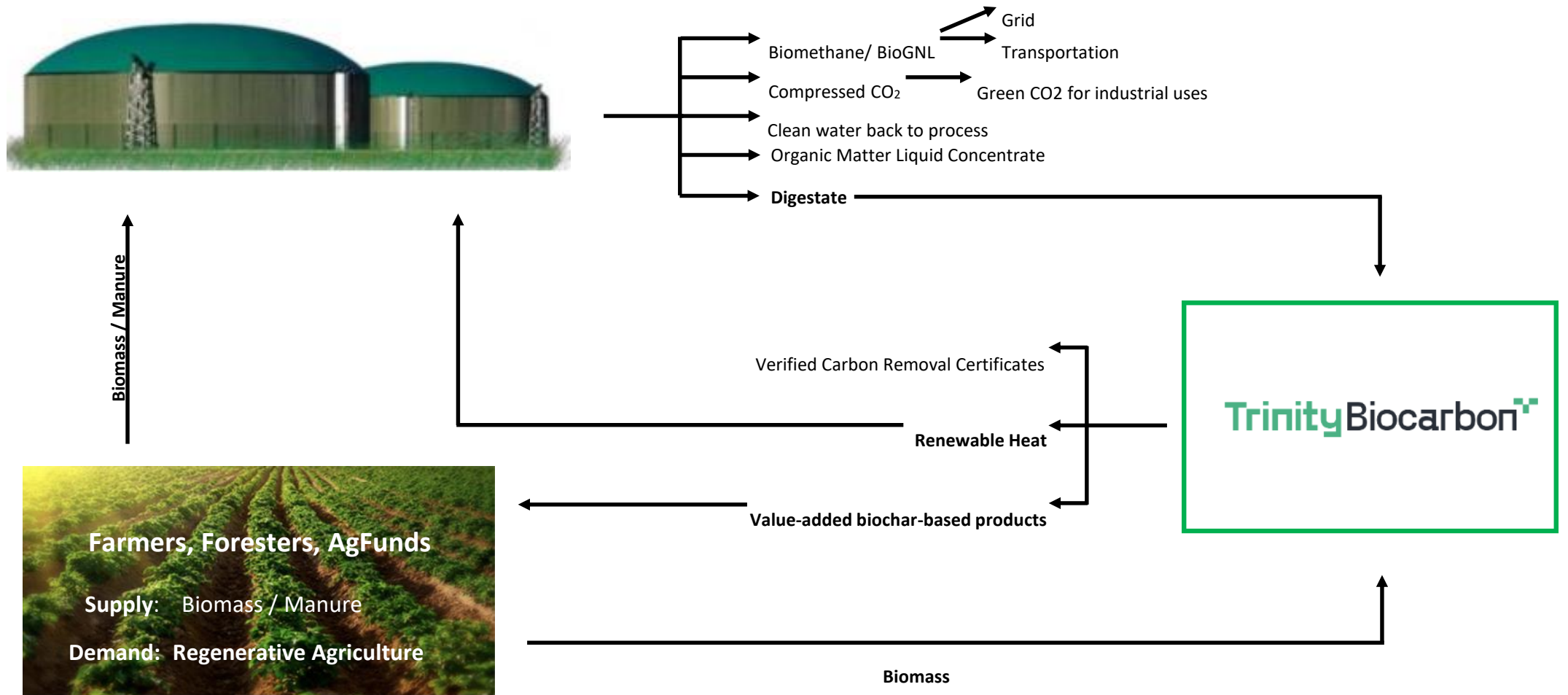
TrinityBiocarbon[™]

TRINITY BIOCARBON'S ROBUST CONVERSION PROCESS DELIVERS THREE DISTINCT OUTPUTS

Biochar

A solid carbonaceous material that carries a very stable form of carbon which can resist thermal and biological degradation for extended periods, in the form of centuries to millennia.

Integrated Value Chain Concept...



Concept in numbers...



Location: Spain - Site 1

Renewable Heat Generation: ~ 33,750 MWh

Carbon Removal Potential: ~ 17,500 tCO₂

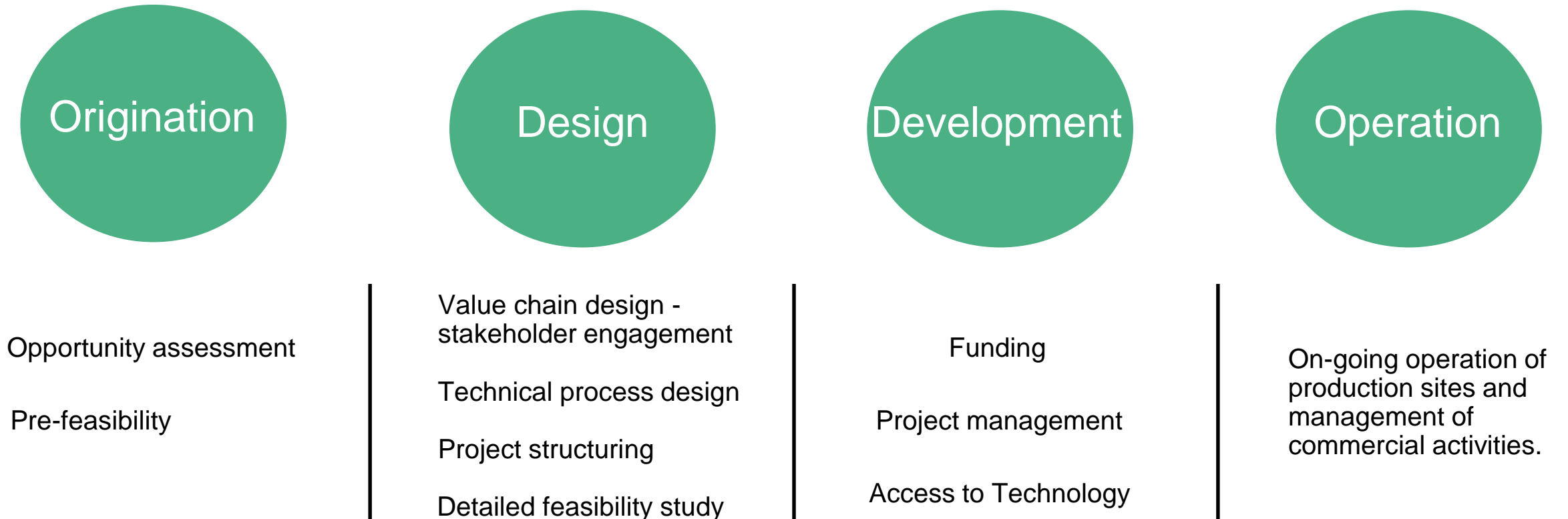
Biochar-based Soil Amendment Production : ~ 70,000 tonnes

Cropping Area Targeted: 35,000 ha

Digestate Treated: 7,200 tonnes (50% moisture)

Biomass Waste Utilized: ~41,250 tonnes (35% moisture)

Trinity Biocarbon Business Model...



We co-develop projects with strategic partners

Existing R&D Facility



Through R&D activities we create value-added biochar-based products

Thank You

Contact Details:

Claudio Mander

cmander@trinitybiocarbon.com Mobile: +34664823830

www.trinitybiocarbon.com