

Sahara Forest Project - Executive summary

Sustainable production of fresh water, clean energy and food proves to be one of the greatest challenges of our time.

The objective of the Sahara Forest Project is to develop and deploy an integrated, large-scale system for reforestation and creation of green jobs through profitable production of food, freshwater, biofuels and electricity. The result is: Restorative growth.

The inputs are simple and abundant: Nutrients, sunlight and seawater.

The processes integrated into the Sahara Forest Project will work optimally under sunny and arid conditions. The unique benefit of the system arises synergistically from the integration of proven technologies:

Seawater Greenhouses

Seawater greenhouses allow the production of freshwater from seawater, and provide a cool and humid micro-climate well-suited for food and biomass production. Seawater greenhouses have already been built in some of the hottest regions on earth.

Concentrated Solar Power

Concentrated solar power uses solar radiation to produce heat and power, and is the fastest growing technology for harvesting solar energy in the world.

The team behind The Sahara Forest Project comprises award-winning experts from Exploration Architecture, Seawater Greenhouse, Max Fordham Consulting Engineers and The Bellona Foundation.

The first stage of the project is to establish a Demonstration Centre in order to provide a platform for international cooperation on innovation and development and pave the way for a large-scale roll-out.

A Demonstration Centre will also allow for further investigations into how new promising crops, such as algae and halophytes, can be integrated into the Sahara Forest Project for the production of fuel, food, fodder and fertilizer.

Read more online; saharaforestproject.com

The Sahara Forest Project will allow for production of high quality crops, both inside and outside of the Seawater Greenhouses.

