Land Life Company

Restoring ecosystems and communities around the world.

LAND LIFE COMPANY

Project author or developer:
Jurriaan Ruys, Eduard Zanen

Where:
109 / 1092 / 1018 ZC

Website:
www.landlifecompany.com/

"Together, we can revitalize ecosystems and communities for this generation and the next."The innovative COCOON planting technology enables trees and plants to grow in arid conditions, revitalizing ecosystems and communities.

Low-cost - 10 x cheaper than traditional tree planting
100% biodegradable - COCOON dissolves into organic substrate for the plant
Low maintenance - after planting, NO follow up irrigation or maintenance

The COCOON is designed to support a seedling through its critical first year. By providing water and shelter while stimulating the seedling to produce a healthy and deep root structure, tapping into the sub-surface water supply within its first year. This way, the COCOON produces independant, strong trees which are not reliant on external irrigation and can survive harsh conditions. Trees have been planted with the COCOON in more than 20 countries with survival rates of 80-95%. The water reservoir The water reservoir is 100% biodegradable and made of recycled paper pulp and sealed with an organic wax coating to ensure water tightness during the first year. It is only filled once during planting. Water is sparsely transported to the tree using wicks. As the reservoir degrades and empties over time, the remaining shallow pits will serve as a micro-catchment to collect surface runoff during rain events. Additionally, the degraded reservoir becomes organic substrate ameliorating the soil. Planting process Our planting process is an integral part of the COCOON's success. This consists of several steps:

Inspection and selection of the planting site. The soil and terrain are analyzed to assess soil fertility and to determine whether soil amendments are required, e.g., to establish a minimum level of organic material or to neutralize excess concentrations of elements.
Selection of appropriate species. To select the right tree or plant, we consult local experts. Native species adapted to local conditions are generally preferred.
Sourcing of high-quality seedlings. We work with local nurseries to provide seedlings of the right quality, size and hardiness to suit the project.
Planting logistics and infrastructure. Project planning involves designing the planting map, defining the water supply and distribution to the COCOONs, identifying additional infrastructure and sourcing machinery and/or labor for the planting.
Execution. During the planting of the COCOONs, we provide oversight and on the ground support.
Monitoring (optional).

We can support project monitoring using wireless sensor technology as well as on the ground follow-up. Nature restoration The COCOON is a key tool to restore ecosystems that have been damaged by overgrazing, tree cutting, droughts, floods or urban or industrial/mining developments.

Cultural System · Communication · Education · Health · Food · Agents of changes

Art · Environment · Economics · Politics · Urban Development · Covid

Geographies of change

cittadellarte FONDAZIONE PISTOLETTO