



Groasis has been awarded as National Icon by the Dutch Government for being one of the 3 most innovative projects of The Netherlands with a high social impact and supporting economic growth.

Make your company Zero CO₂ at low costs with the Treesolution

Do you want to make your company CO₂ neutral at low costs with a plan that is socially sustainable? We offer you the very cost effective Treesolution that hardly affects your profit. It is an approach to neutralize your CO₂ emissions through reforestation of eroded land and/or agro forestry by helping poor rural families worldwide planting a combination of vegetables with productive trees. We call this the Treesolution. In this overview document we focus on agro forestry with poor rural families.

How does it work?

Groasis has developed the Growboxx[®] plant cocoon. With this inexpensive biodegradable intelligent 'bucket' made of recycled paper poor rural families can plant vegetables in combination with trees without using energy and irrigation. They do this at 90% lower costs, with 90% less water and a +90% survival rate. That's why we call it 'Triple 90 benefit'. We have 44 scientific and semi-scientific reports of trials in 18 countries with hot and dry circumstances [available](#) to demonstrate that it works.

How much CO₂ does the Treesolution neutralize?

During their lifetime trees disconnect an average of 15 tons of CO₂ per hectare per year into C and O₂. On one hectare of (eroded) land, a family can plant approximately 200 trees. This number of trees disconnects annually 15 tons of CO₂ as long as the trees live which is an average of 50 years in dry climates. This also means that for the next 30-50 years, as long as we are in the transition period to sustainable energy use, you can clean up 100% of your emissions at very low costs.

How much does it cost?

Groasis has founded the Green Musketeer Fund. This is a revolving fund. You can put money in this fund that will organize the planting. It will supply a rural family with a micro-credit of 10 EUROS for each Growboxx[®], a productive tree, 4 vegetable seeds (e.g. tomatoes, cucumbers, peppers, eggplants), Growmaxx plant food, a Growsafe goat protector and education on how to get the best results. The family plants the Growboxx[®], gets food and income from the vegetables in the first year and pays the box back. The tree starts to be productive after app. 5 years and creates food and income without further costs. The tree is a wealth creator. It may produce fruit, timber, oils, medicine, fodder for their cattle, etc. As the family pays the loan back in the first year enabled by the vegetables sales, the fund can loan the money quickly again to the same or another family for more trees and vegetables. For each 10 EUROS Green Musketeer Fund organizes annually the planting of one tree in combination with 4 vegetables.

Two examples:

1. A company emits 15,000 tons of CO₂ per year.
 - This requires 10 year donations of 18,912 Euros
 - Your CO₂ emissions are 100% disconnected in year 20. You are a ZERO CO₂ emission company
 - In the first 20 years your cost price is 1.26 Euros per disconnected ton of CO₂
 - Over the next 50 years period your cost price is 0.18 Euros per disconnected ton of CO₂
 - In the 21st year you receive 100,088 Euros back. You may also donate them
 - In the 21st year you pay 18,912 Euros to replace died trees during the coming 30 years
 - See the accompanying document '4 - 20170801 Company Zero CO₂ Green Musketeer Project Investment Calculation template'
2. Fleet owners: a car drives average 30,000 kms per year. It emits 125 grams of CO₂/km. This amounts to 3.75 tons per year. It will take 0.25 hectare to drive 100% CO₂ neutral. You let Green Musketeer Fund plant 100 trees for a cost of 1,000 EUROS. Now the car drives 'eternally' CO₂ neutral.

Circular economy of fossil fuels: 'from CO₂ to wealth creation'

The beauty of the Green Musketeer Fund model is that you can have a very low cost solution for your CO₂ emissions neutralisation. And what is more, at the same time you fight deforestation, restore degraded land, combat poverty, create jobs, produce food, in short, create wealth for people who need our help. You can be a real Green Musketeer! The Treesolution offers hope to all participants.

If you are interested in the Treesolution and the Green Musketeer Fund, please mail us at info@groasis.com



The Treesolution with the Groasis Growboxx is winner of the Accenture "Green Tulip Innovation Award" 2014



Green Musketeer Fund (Microcredit)

