



Bio and micro technologies

CarboRock

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We turn CO₂ into Rock

Contact person

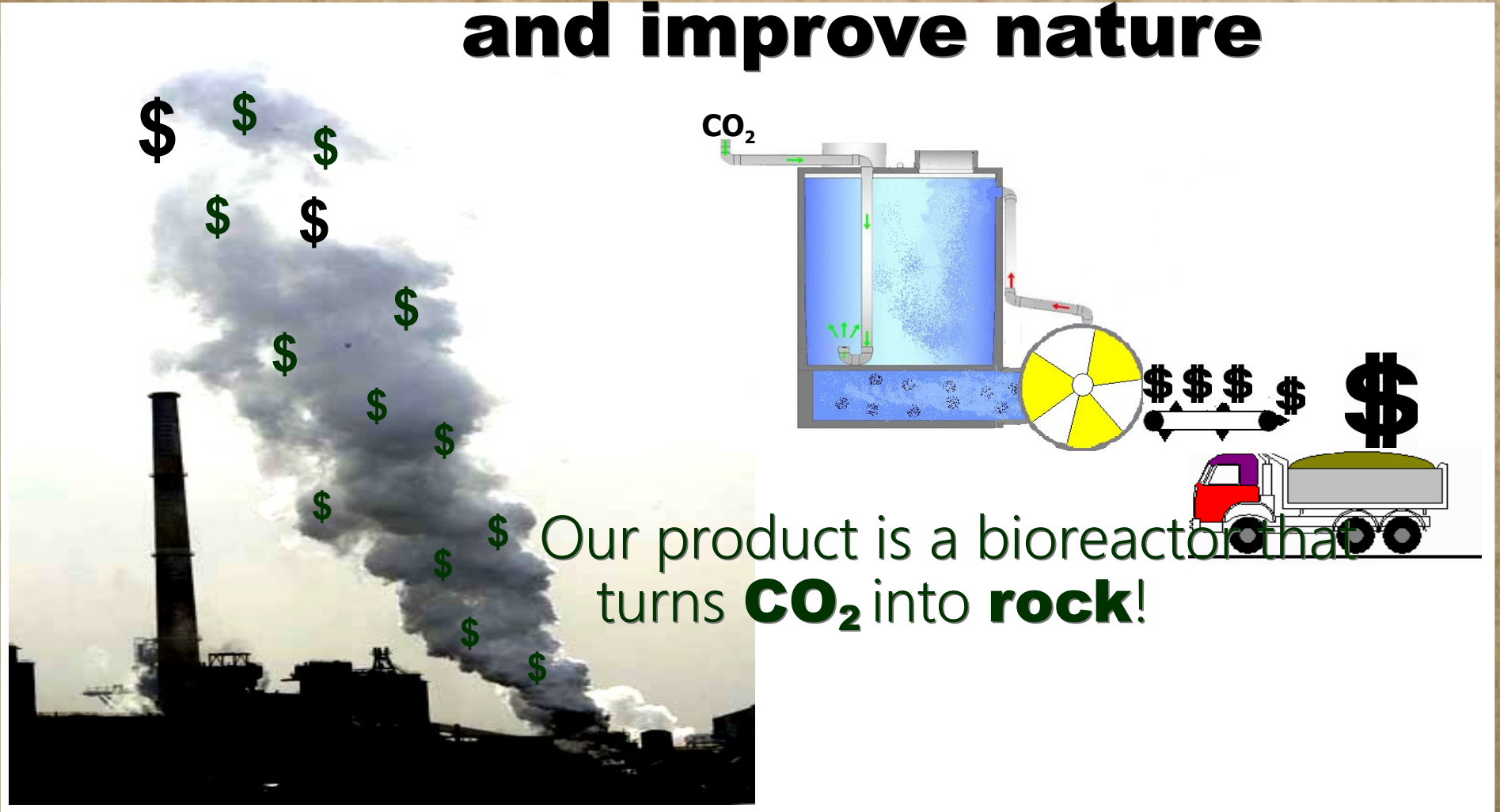
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CO₂ emissions are a waste of money

- *Taxes per ton of CO₂ are high and scheduled to drastically increase.*
- *One ton of CO₂ can be transformed into around 2,5 tons of material for the isolation of building, sold for CHF 30-40 per ton.*
- *Green house gas emissions are a very serious public relation concern for many major industries.*

To solve the problem we copy and improve nature



Our product is a bioreactor that
turns **CO₂** into **rock!**

Our main source of income comes from

- *Supplying the bulky growth medium*
- *Replacing the unique growth support every four years*
- *Ensuring maintenance*

Sales model

- *The market price of the bioreactor should be between CHF 2'300'000 and CHF 2'500'000.*
- *We will provide the bulky growth medium with a margin of around CHF 2.00-CHF 5.00 per ton of CO₂ transformed.*
- *We will ensure the replacement of the unique growth support every four years for CHF 700'000.*
- *We will guarantee maintenance for CHF 80'000 per year.*

Underlying magic

- We have designed a **growth support** which allows a very high density of micro-organisms optimizing the CO_2 transformation
- We have **selected a micro-organism**, which naturally transforms CO_2 into rock at a very high rate
- We will **genetically optimize** the micro-organism to make it even more efficient

Competitors

- *Today our main competitors are underground storage facilities, which use chemical and physical process, at a cost of CHF 30-60 per ton of CO₂ captured.*
- *Our main advantage is to use a cheaper biological process that:*
 - Brings value** to the CO₂ emissions
 - Self produces** the CO₂ fixing biochemical
 - Consumes **less energy**

Management team

Founder & Co-founder



HOFSTETTER Valère,
**Master of Science in functional
biology**



SOLIS Hector,
**Engineer Specialist of *Surface
Technologies and Microsystems***

Sales and Marketing

- ***Our clients** are industries that produce very large amounts of CO₂:
Cement factories, oil refineries, combustion power plants.*
- *After a first local installation (Cornaux), we would like to **sell to larger groups** , who own factories worldwide, **a franchise** to exploit the bioreactor.*
- *We will seek a **partnership** with **environment lobby groups** such as WWF or GREENPEACE to support an effective advertising campaign.*

Financial projection, key metrics

- *Our first target is a market in Cornaux of **600'000 tons of CO2 per year.***
- *In the EU, Germany, Italy and the United-Kingdom represent 60% of the market of industrial CO2.*
- *Worldwide, **the potential market is several billion tons of CO2** per year, concentrated in the US, India and China.*

Current status and timeline

- We are in the **R&D phase** and we are fund raising CHF **480'000** to finance a scale test installation.
- With sufficient investments, we can have the test installation **ready within two years**.
- We plan to sell **the first commercial unit** in **2012**.



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Thank you for your attention

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