WE SELL A TECHNOLOGY THAT RECYCLES CO_2 **COMPETITIVELY**
INTO *BIO - GREEN CHEMICALS:*

ALTERNATIVE PROTEINS, PIGMENTS, OILS,

BIO FERTILIZERS, BIO – FUELS, BIO - PLASTICS,

JL ROUX DIT BUISSON
CEO / FOUNDER

NEOCARBONS IS AN EQUAL OPPORTUNITY COMPANY

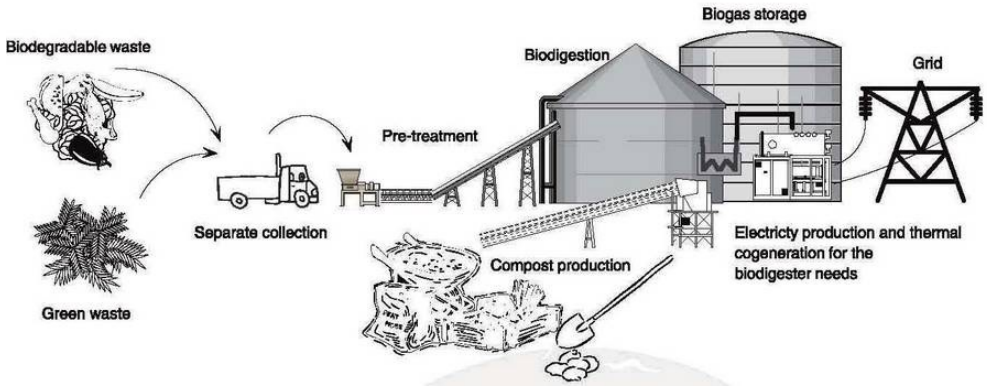
VISION 2011 NEOCARBONS

th INDUSTRIAL REVOLUTION

CO_2 LIFE CYCLE MANAGEMENT(*) CREATES A SUSTAINABLE AND CIRCULAR BIO-ECONOMY AS A SOURCE OF RAW MATERIALS FOR INDUSTRIES, INCLUDING A FUTURE-PROOF AND EFFECTIVE FOOD SECTOR

(*) *CO_2 Capture and Use or Transformation*

VALUE PROPOSITION



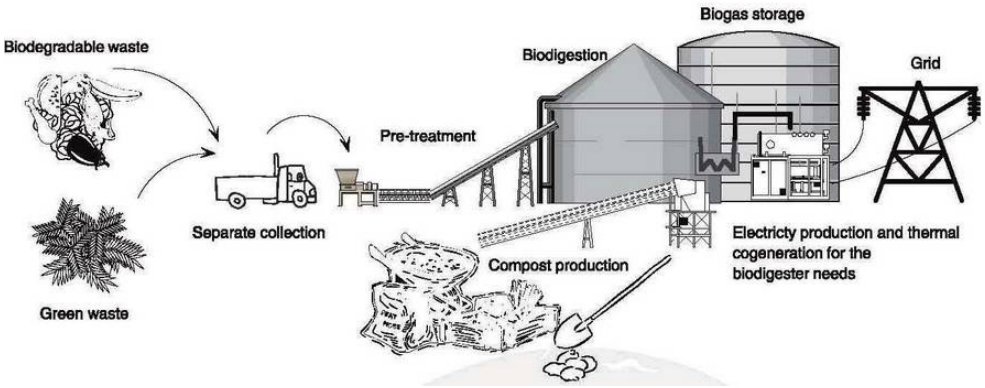
50 kT CO_2 p.a.

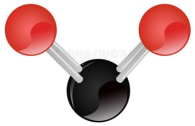
Revenues (*) € 2.5 MM

CO_2 Tax (*) € 5.0 MM

(*) *€ 0.15 / kg Biogas*

(*) *Expected value, Europe, €100/ton*





INVESTMENT
€ 0.22/ KG CO_2

NEOCARBONS'
PATENTED PHOTOBIOREACTOR

TotalEnergies

Unilever

BASF
The Chemical Company

DSM

20-30 TONS CO_2 / M^2/YR

€ 5-10 / KG BIOGAS

Note: Logos of companies are illustrative

WHY MICROALGAE

CO_2 SAVINGS

DIRECT RECYCLING: 1.6 KG / KG BIOMASS

INDIRECT CO_{2EQ}: 3-5- KG / KG END PRODUCT

Note: Logos of companies are illustrative

INDUSTRIAL ADVANTAGE

REAL TIME	FASTEST NATURAL KNOWN CO_2 SINK
COMPETITIVE	OPERATIONS @ NORMAL P, AMBIENT T LOW COST, SMALL FOOTPRINT HIGHEST ENERGY EFFICIENCY (*)
PROFITABLE	HIGH VALUE DOWNTREAM MARKETS
FAST IMPLEMENTATION	POC EXISTS

MARKET ADVANTAGE MICRO-ALGAE : VERSATILITY

1 TON CO_2 PRODUCES 500 KG BIOMASS

RECYCLING LARGE QUANTITIES OF CO_2 REQUIRES TO FIND EITHER LARGE VOLUME MARKETS, OR A NUMBER OF SMALLER MARKETS

			Biogenic CO_2		
	End Market	Chemicals / Fuels etc	Fine chemicals	Foods & feeds	Energetic yield
Technologies	Industrial photosynthesis	✓	✓	✓	27%
	H_2	✓			17%
	Electro-reduction	✓			5%
	Fermentation	✓	✓		N/A

WHY NEOCARBONS

COMPETITION CANNOT DO THE JOB OF RECYCLING INDUSTRIAL LOADS OF CO_2 ECONOMICALLY

SUN BASED PRODUCTION

Cyanotech.com

Subitec

Schott

PAIN POINTS

CAPEX

COSTS: LOW SOLAR PRODUCTIVITY
11-27g/m²/jour
FOOTPRINT

QUALITY
(BACTERIAL CONTAMINATION /SEASONAL)

ARTIFICIAL LIGHTING

Sun+Power Leds

Brevel.il

Power Leds

Industrialplankton

Varicon aqua

ENERGY COST
(70% OF ENERGY WASTED AS HEAT)

FOOTPRINT

PRODUCTIVITY

EU policy paper on Algae -Jan.ly/3LQnsy3

Equipement Specs

Real Time

Industrial scale, mode

Competitive

Profitable

WE DEBOTTLENECKED THE KEY DRIVER FOR COST AND PERFORMANCE : ENERGY TRANSFER

NEOCARBONS 11 M³ REACTOR WILL RECYCLE 20 TO 30 T OF CO_2 / YEAR / M^2

Equivalent to 1 Hectare of planted trees after 20 years

- US9045724B2
- EP2576758B1

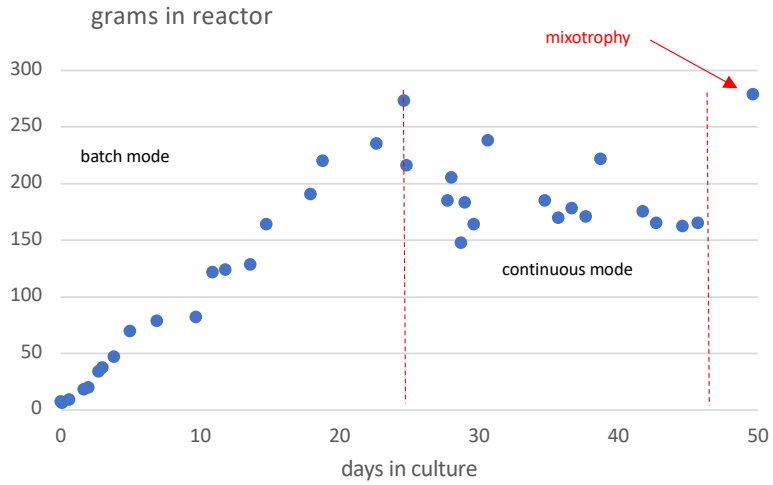
BENEFIT	VALUE
MANUFACTURING COSTS BIOMASS	÷ 20-40
PRODUCTIVITY (*)	X N*10^2
FOOTPRINT	÷ N*10^2
CAPEX	÷ 5+

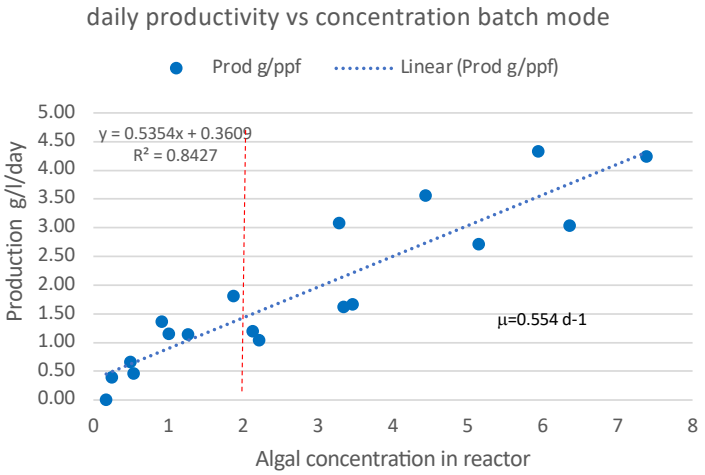
(*) *Per m^2 footprint, per m^3 reaction volume and per unit time*

ABILITY TO CONTROL THE PRODUCTION SETTINGS

GALDIERIA SULPHURALIS

REGULATE TO THE OPTIMUM PRODUCTIVITY POINT

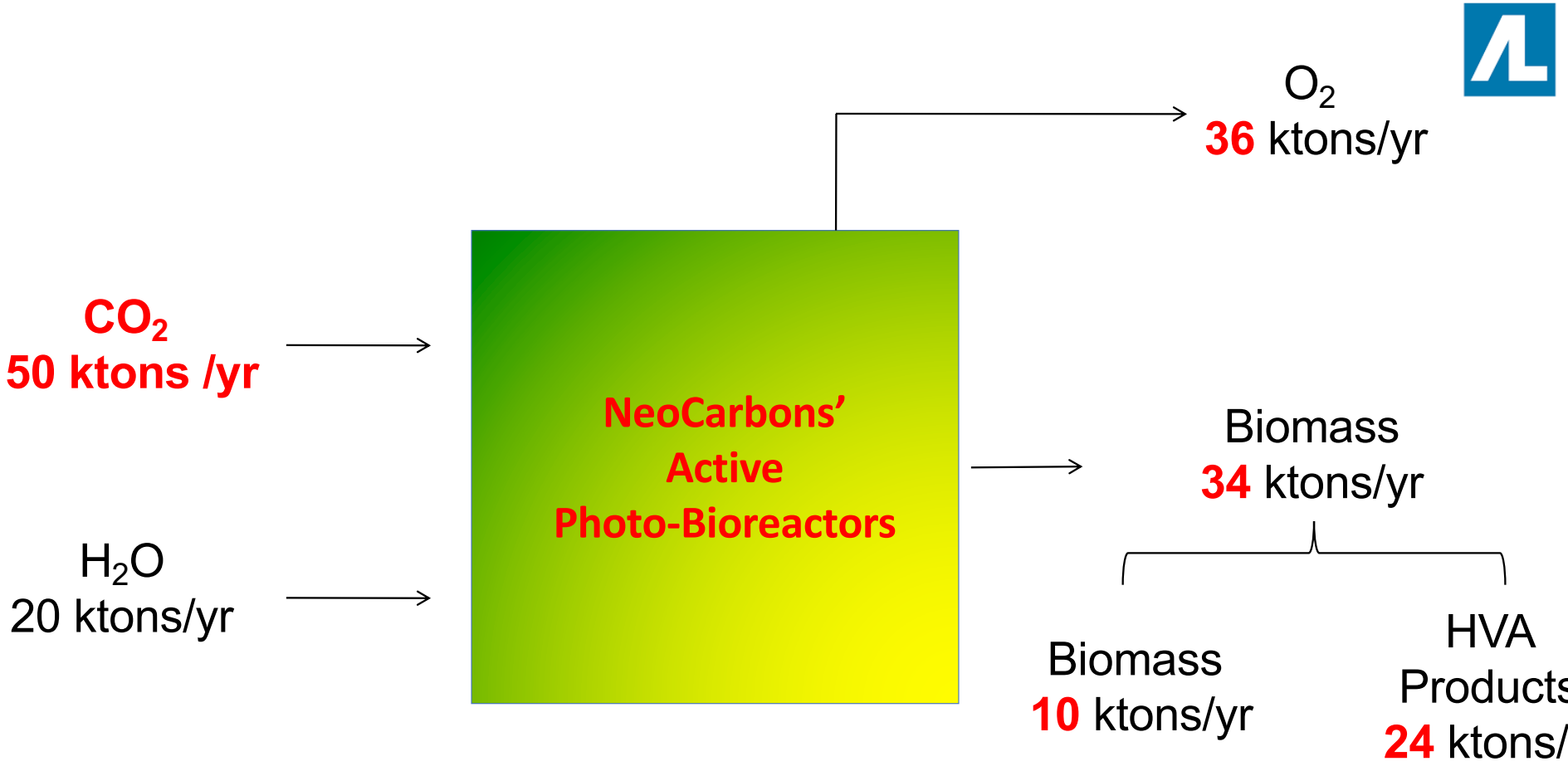




NO FOULING
CONTINUOUS MODE

pH-2, 42 °C

Mass Balance Business Case



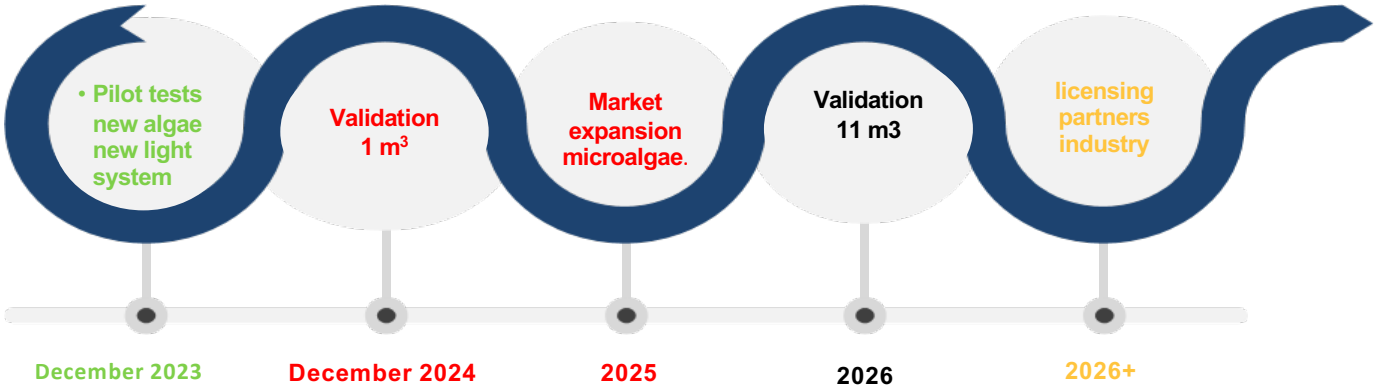
ex. With 60% lipids / HVAs

ROAD MAP:

WE ARE LOOKING FOR CO-DEVELOPMENT PARTNERS & INVESTORS

FOODS, FEEDS, FINE CHEMICALS: INDUSTRIAL POC

INDUSTRIAL CO_2 CIRCULAR ECONOMY



1ST CUSTOMER

Capacity 1 M³

11 M³

PROJECT COST

UP TO 3M€

7M€

NOTE: WITH THE APPROPRIATE SUPPORT FROM AN ENGINEERING GROUP IT IS POSSIBLE TO SPEED UP THE DEVELOPMENT OF AN INDUSTRIAL 11M³ REACTOR TO BE DELIVERED END 2025 INSTEAD OF 2026

BUILDING UP OUR TEAM IS A TOP PRIORITY IN 2024

EVALUATE US ON WHAT WE HAVE ACHIEVED AS A PROXY FOR WHAT WE CAN DO

MANAGEMENT

Jean-Louis Roux Dit Buisson
Founder
CEO/CSO

Emmanuel
Strategic equipment supply

Romain
Bus dev & Investors relations

Florent
Bus Dev Corporate

ADVISORS /OUTSIDE TEAM

Isabelle
Strategy

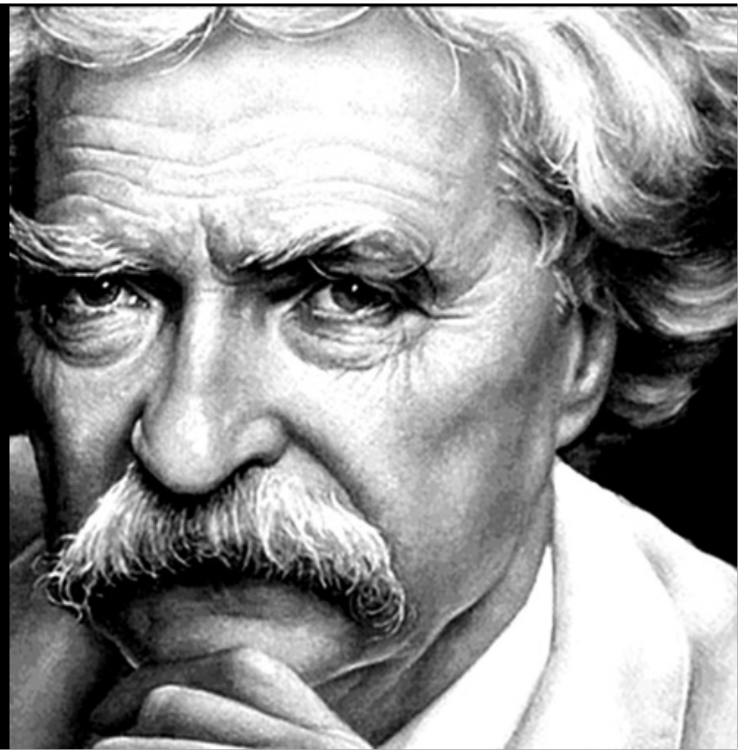
Pr. Doz L Neutsch
R&D

Daniel Brandenburger

Fabrice
Production

«Ils ne savaient pas que c'était impossible, alors ils l'ont fait »

- Mark Twain




THANK YOU !
NeoCarbons
Innovate 4 Prosperity

NeoCarbons
Bio-Green Chemicals

STAND D-28

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