LARGE-SCALE MICROALGAE PRODUCTION PLANTS AS AN EFFECTIVE AND REAL CASE OF BIO-CCU UNIT

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IEA Bioenergy Special project on Bio-CCS and Bio-CCU, Brussels, January 16th 2018
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MICROALGAE & THE FUTURE OF HUMANKIND

ORIGIN OF LIFE ON EARTH

NUTRITIONAL HIGH-VALUE

SUSTAINABLE PRODUCTION

KEY FOR THE FUTURE OF HUMANKIND NUTRITION
There is a clear synergy between large-scale microalgal production and carbon capture from CO2 emitting sources.

Up to 2kg of CO2 are captured for 1kg of microalgae biomass (in dry weight) produced.
BUGGYPOWER is a biotech & engineering company passionate on producing premium quality marine microalgae with high nutritional properties as PUFAs, proteins, essential amino acids, pigments, antioxidants, vitamins, and minerals.

Our facilities in Porto Santo island, Madeira, Portugal: one of the Europe’s largest closed-system production sites.

✓ 1.100 cubic meters area
✓ 2.870 vertical closed PBRs, 8 m-height
✓ Average production of 60 tm dry biomass per year – premium quality
✓ Patented production technology
✓ In partnership with the Electricity Company of Madeira
Our production technology evolved from an initial model focused on producing biofuels, with CO2 capture and GHGs treatment, to the complete integration and control of the production process to obtain premium quality microalgae biomass.

- 8-meter height vertical closed photobioreactors
- air-lift mode
- optimized capture of solar energy
ALGUIMYA is our experimental kitchen & space. Located in Lisbon, it’s a place to develop new food recipes based on marine microalgae and to get to know their natural power.
We have two resident chefs who prepares food dishes based in our marine microalgae. Consumers, food bloggers & influencers come to taste our dishes, to provide us with their valuable feedback.

Come and meet us!
hello@alguimya.com
Marine microalgae will also play an important role in the future of animal feeding, like aquaculture.
BUGGYPOWER is also developing other feed supplements based on marine microalgae, in particular for horses and young goats, with the same aim of improving their immune system and growth rate.
Our next launch of a cosmetics products line based on marine microalgae...

A new cosmetology from marine microalgae, that concentrates 3 billion years of wisdom and the greatest number of the purest and most effective active principles in its maximum concentration, for the most complete skin treatment.
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BUGGYPOWER’S PRODUCT DEVELOPMENT - COSMETICS
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THANK YOU!

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Visit our new website:

www.buggypower.eu