







EnhanceMicroAlgae Project

High added-value industrial opportunities for microalgae in the Atlantic Area

Hugo VUILLEMIN – SYNOXIS ALGAE

















1981



2003

2017



Today

More than 50 installations







Current cultivation methods



Gracieuseté ISMER - UOAR



Aziz Regragui Aquaculture Marine



Jean-Claude MOSCHETTI GEPEA/AlgoSolis/CNRS Photothèque

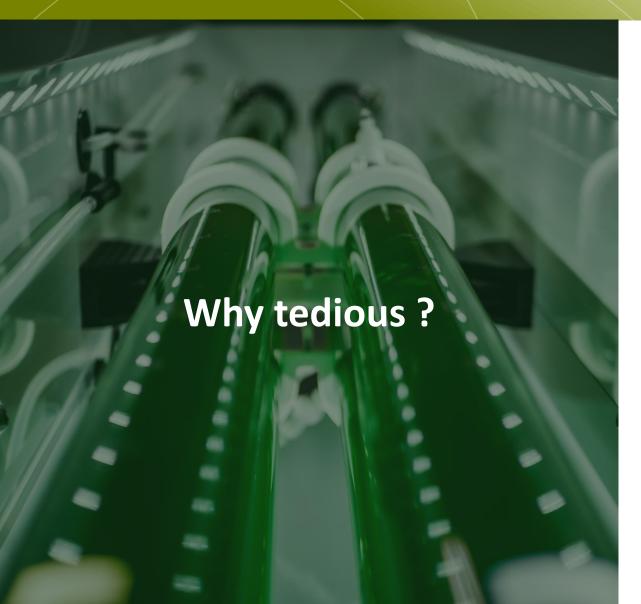


IFREMER Nantes









Time consuming

Heavy and painful

Difficult cleaning and disinfection

No control of the culture's parameters

Low productivity

Not suitable for all microalgae

Scale up not always easy







Equipment

Designed, tested and installed by Synoxis algae

Algae

How well do you know this algae?
Did you cultivate before?
What are the parameters?

Environment

How clean is the environment?

Do you have a lab?

Good practice policy?

User

What is your knowledge with algae culture?
Did you use a PBR before?



Switch from tedious inicroaligate high cell density and reliable automatised production Switch from tedious microalgae culture into











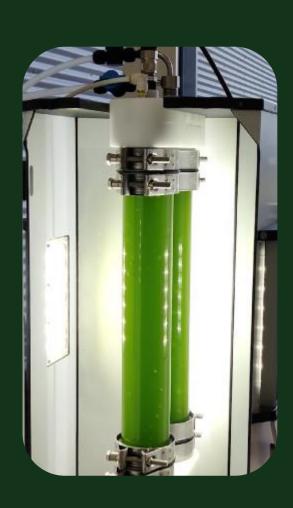














Concentration

10 times superior than with traditional systems



Compatibility

with the most microalgae types with the smooth agitation



Longevity

of the culture for several months in continuous mode



High productivity

thanks to a homogeneous exposure to light and gas



Preservation

and stability of the culture thanks to the closed system

Algae cultivated in our SALT system so far :

Arthrospira platensis, Isochrysis galbana affinis Tahiti, Chlorella, Skeletonema costatum, Chaetoceros, Rhodomonas salina, Chlorella autotrophica, Nannochloropsis gaditana, Cylindrotheca closterium, Odontella aurita, Nostoc, Phaeodactylum tricornutum, Porphyridium, Haematococcus pluvialis...



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Light



pН



Temperature







Agitation



Pressure security



Remote access



Data and alerts

Inputs and outputs



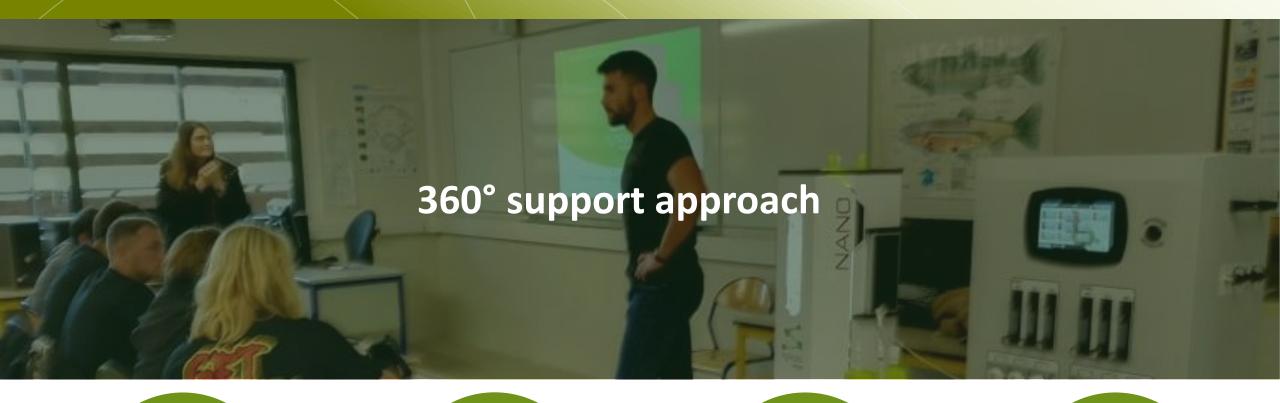












Audit and tests

Training

Hotline

Biological and technological support



Switch from tedious microalgae culture into synoxis production high cell density and reliable automatised











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