Sheet n°06 -1/2 - Microalgae breeding and drying unit

Description



Unit for the selection, collection, cultivation and drying of microalgae. Production capacity of approximately **1800 tonnes**<u>Main customers</u>: Food, cosmetics and pharmaceutical industries

Branch and sub-branch: Biotechnology/ Marine biotechnology

Complexity -3,33 2,56 of the product¹ -1,88

HS Code²: 1212

Key facts

- > Presence of the necessary microalgae strains for farming in the region
- Project strongly correlated with ANDA's aquaculture plan to develop the aquaculture sector (including marine biotechnology)
- ➤ International potential: Market growing at ~5-6% p.a. driven by the diversity of outlets (cosmetics, food, energy...) offered by microalgae as well as the continuous search by consumers for products with health benefits

Prerequisites (3)

Granting of the necessary land by the ANDA *****

Market indicators

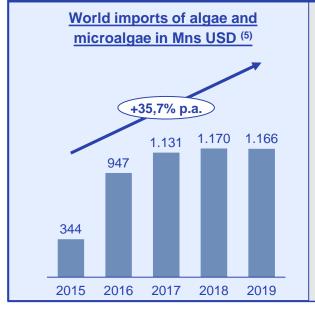
Target market(s):

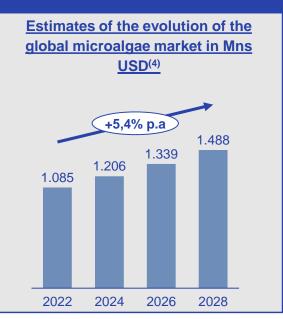
Target market(s), (from highest to lowest priority) to be addressed:

Export to various countries around the world (China, USA, France...)

National and Local for future marine biotechnology projects in the region

Market size and development





⁽¹⁾ Product Complexity Index: Diversity and sophistication of the know-how required to produce a product. The PCI is calculated according to the number of countries that produce the product and the economic complexity of these countries. The most complex products, those that only a few countries can produce, have the highest PCI (e.g. electronics, chemicals) vs. the least complex products (e.g. raw materials, agricultural products), Source: Harvard economic complexity

- (3) Microalgae market study by Allied Market Research
- (5) History of algae and microalgae imports. Source: Trademap

⁽²⁾ Customs nomenclature taking into account the following codes: 121220, 121221, 121229, Source: TradeMap



Sheet n° 06 -2/2 - Microalgae breeding and drying unit

Financial indicators (indicative):	
Potential investment	50 - 100 Mns MAD
Turnover	250 - 500 Mns MAD
Estimated selling price	20 - 150 USD/Kg
ROI	1 - 2 years
EBITDA (as % of sales)	15 - 30%
Jobs	~50 jobs





