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SEAWEED FARMING AND INDUSTRIAL PROCESSING

Miguel Sepulveda Marine Biologist Coordinator of the Mariculture Program Founded and based in the city of Tunis - Tunisia since 1996, the **SELT MARINE GROUP** (www.seltmg.com) manufactures and distributes a wide range of high quality texture agents such as **Agar** and **Carrageenan**. legitimately Tunisian products and 100% seaweed derivatives.

SEIT



SELT MARINE GROUP, attentive to well-being, strictly follows criteria of good manufacturing practices in its laboratory and processing unit.



Agar and Carrageenan



Agar and Carrageenan (Semi & Refined)

Carrageenan and Agar are Hydrocolloids (natural <u>polysaccharides</u>) extracted from some red seaweeds species and used in a wide variety of applications in the food (Emulsifying Agents) and pharmaceutical industry

FOOD GRADE

NON FOOD BACTERIOLOGICAL AGAR







Certifications

Our Certifications:









Production of our Raw Material



Our mission is to develop Seaweed Farming (Mariculture), process Seaweeds and its derivatives, in a qualitative, efficient, socially responsible and ecologically correct way.

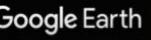




Seaweed Farming Projects

SELT MARINE GROUP

- Tunisia
- 80 hectareas
- Mozambique (Selt Marine Mozambique)
- 500 hectareas
- Zanzibar (Selt Marine Zanzibar)
- 500 hectareas



Dept of State Geographer

Areas Seaweed Farming

Write a description for your map.

Douar Jaffar

Louata

Tinjah

Menzel Bourguiba

mage © 2019 DigitalGlobe Data SIO, NOAA, U.S. Navy, NGA, GEBCO © 2018 Google

Google Earl

nallouf Kharrouba

Tunisia Mediterranean Sea

Menzel Abderrahmane

Menzel Jemil

Bizerte Lake

Bizerte

Bou Chekara

Hariza

5 mi

Magheraoua

Jouaouda

Sel

Legend

- 🍰 Area SELT 🕹 Bizerte
 - Feature 1
- 🛕 Feature 2
- Gare
- 🕴 Selt

Site Selt Marine Group Concession - 80 Hect.



Légende Coordonnées géographiques Site SELT MARINE GROUP Manufacturing Factory Jadara



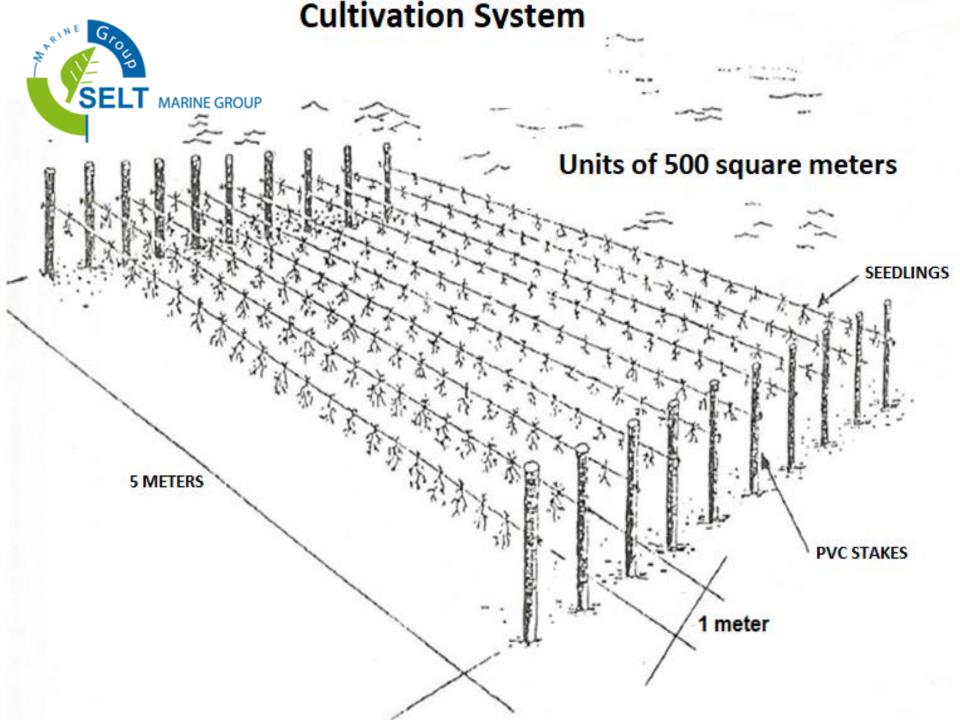
Gracilaria spp. (Agar agar)

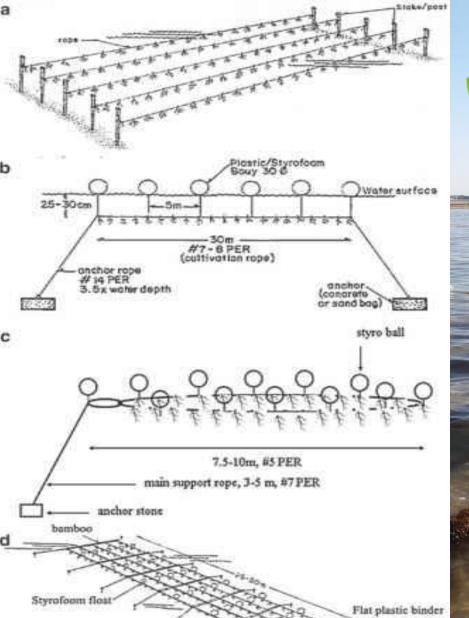
Selection and weighing of Strains to control growth rate

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Planting Technology





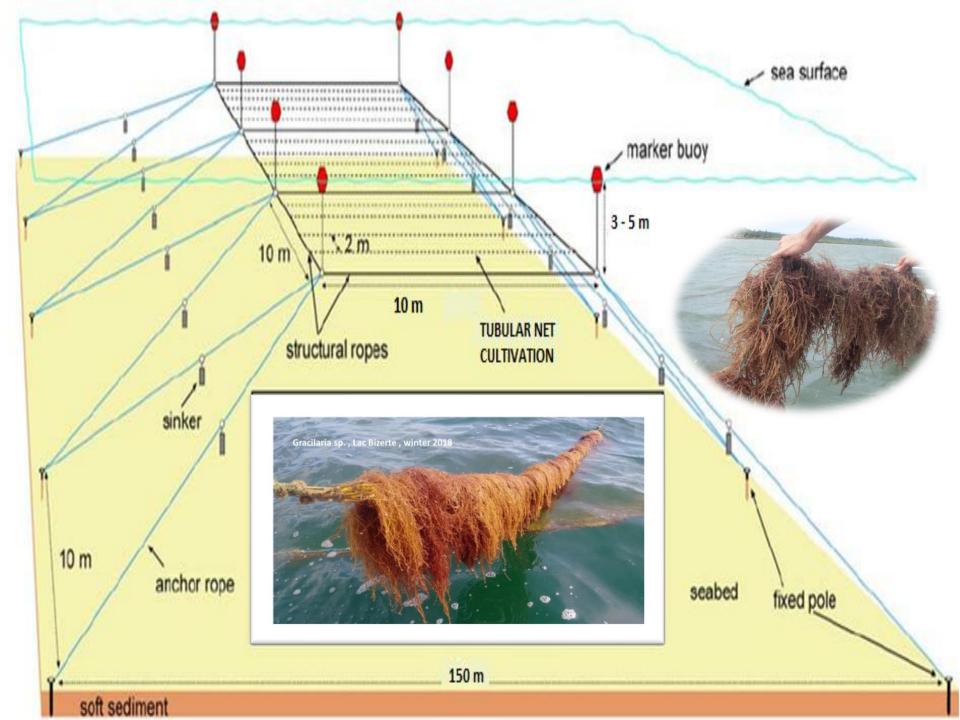
Ring steel bar

Anchor rope

Production estimate of 1.050 tonnes dry per year

SELT MARINE GROUP

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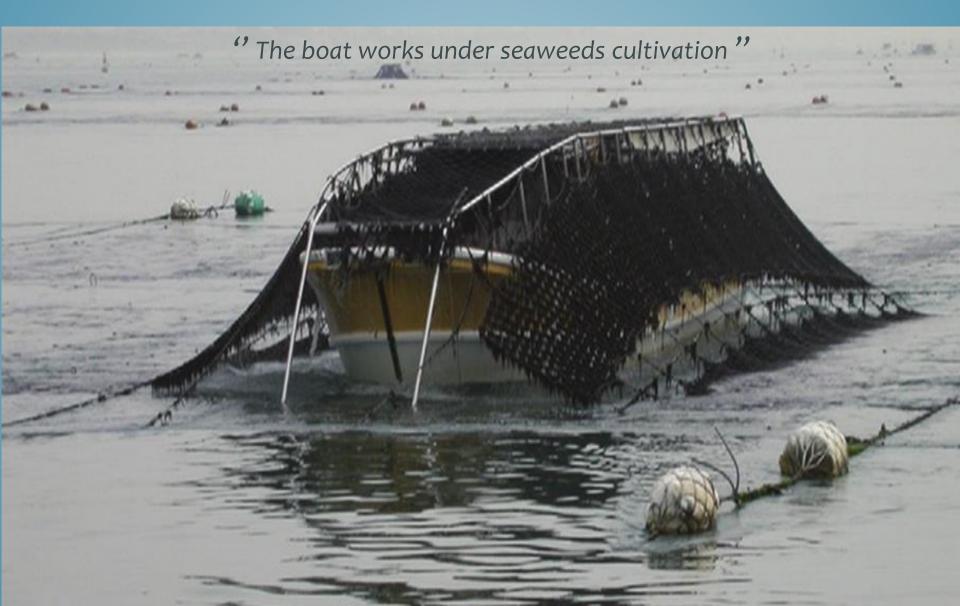
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Strains of high standard of quality with high vegetative growth



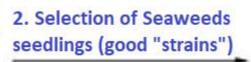
Harvest Technology: Operation Boat Adapted for Harvesting Seaweeds



Cycle of cultivation and production (50 days)



1. Infrastructure Construction













5. Drying

3. Installation of seaweeds lines

4. Harvesting



Protection of seaweeds to ensure the high standard of quality

Drying (3 days) (10 kilos fresh = 1 kilo dry)

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SELT MARINE GROUP

LLU T

(CONTRACT)

FLORING CONTRACTOR

(Theat



Zanzibar Government

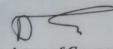
Certificate of Incorporation

Business Entities Registration Act No. 12 of 2012

Registration Number: Z0000010514 The Registrar of Companies hereby certify that

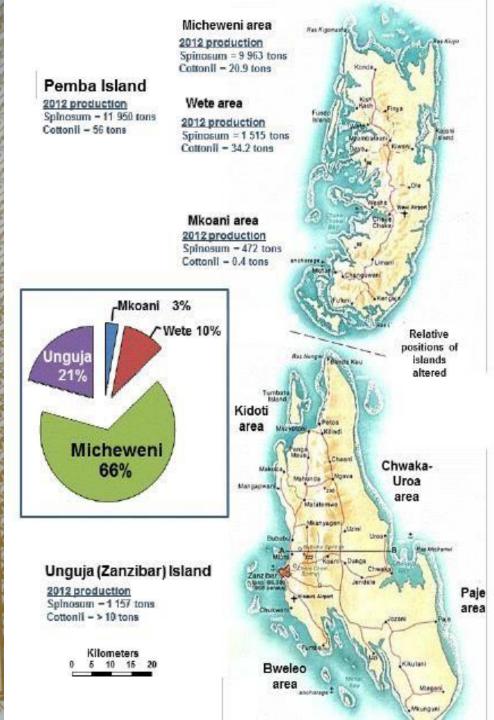
Selt Marine Zanzibar Company Limited

is on 5th day of November 2018 incorporated under the Companies Act, No. 15 of 2013 and that the company is Private company Limited by shares



Registrar of Companies







Exportation to Tunisia

a line

7

Group

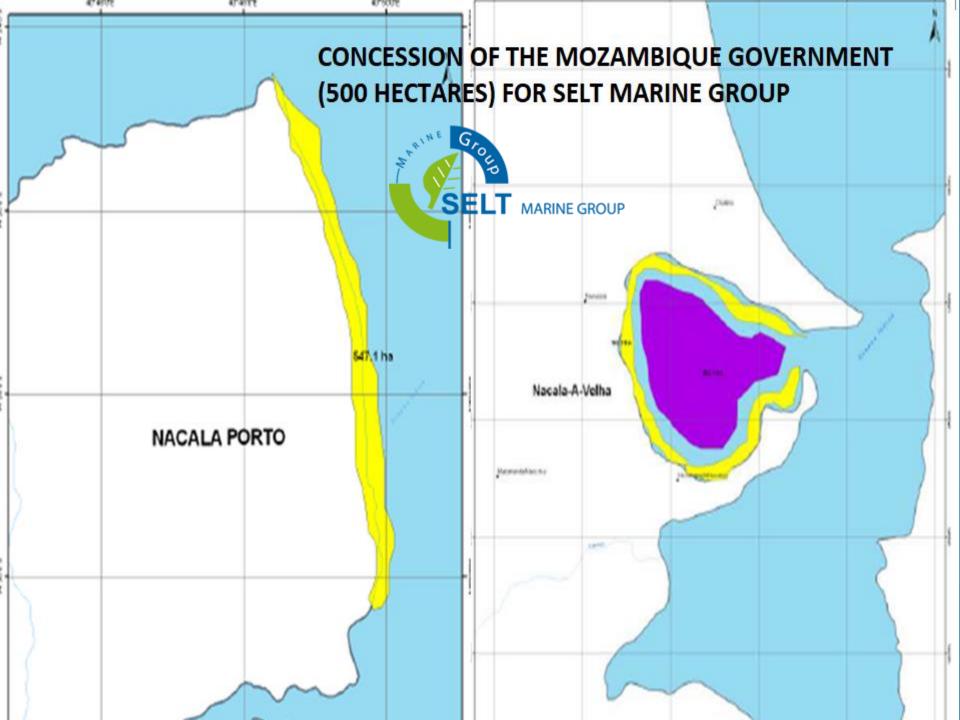
SELT MARKIE GROUP

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Concession of the Mozambique Government (500 hectares) to support the Project.

Kappaphycus alvarezii ''Cottonii '' and Eucheuma spinosum (Carrageenan)



SELT MARINE GROUP ZANZIBAR	Beneficiaries of the Project YEAR				
	2018/2019	2019/20	2020/21	2021/22	2022/23
Direct Jobs (Men and Women)	300	500	700	900	1.000







Training and Technical Assistance Program for the Communities

LIZACAO

High Social and Economic Impact

ALIM

Z



Thanks Merci Gracias



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