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.selmg.com) manufactures and distributes a wide range of high quality texture agents such as Agar and Carrageenan. Legitimately Tunisian products and 100% seaweed derivatives.
SELT MARINE GROUP, attentive to well-being, strictly follows criteria of good manufacturing practices in its laboratory and processing unit.
Carrageenan and Agar are Hydrocolloids (natural polysaccharides) extracted from some red seaweed species and used in a wide variety of applications in the food (Emulsifying Agents) and pharmaceutical industry.
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 hectares
- Mozambique (Selt Marine Mozambique)
  - 500 hectares
- Zanzibar (Selt Marine Zanzibar)
  - 500 hectares
Areas Seaweed Farming

Write a description for your map.
Gracilaria spp.
(Agar agar)
Selection and weighing of Strains to control growth rate
Planting Technology
Cultivation System

Units of 500 square meters

- Seedlings
- PVC Stakes
- 5 Meters
- 1 Meter
Production estimate of 1.050 tonnes dry per year
Daily monitoring and control of seedlings to prevent diseases
Strains of high standard of quality with high vegetative growth
Harvest Technology:
Operation Boat Adapted for Harvesting Seaweeds

“ The boat works under seaweeds cultivation ”
Cycle of cultivation and production (50 days)

1. Infrastructure Construction

2. Selection of Seaweeds seedlings (good "strains")

3. Installation of seaweeds lines

4. Harvesting

5. Drying

6. Packing
Protection of seaweeds to ensure the high standard of quality
Drying (3 days)
(10 kilos fresh = 1 kilo dry)
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

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Pemba Island
2012 production
Spinosem = 11,950 tons
Cottonol = 56 tons

Wete area
2012 production
Spinosem = 1,515 tons
Cottonol = 34.2 tons

Mkoani area
2012 production
Spinosem = 472 tons
Cottonol = 0.4 tons

Micheweni area
2012 production
Spinosem = 9,963 tons
Cottonol = 20.9 tons

Unguja (Zanzibar) Island
2012 production
Spinosem = 1,157 tons
Cottonol = > 10 tons

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Relative positions of islands altered
Concession of the Zanzibar Government (500 hectares) to support the Project. Kappaphycus alvarezii “Cottonii” and Eucheuma spinosum (Carrageenan)
Exportation to Tunisia
Concession of the Mozambique Government (500 hectares) to support the Project.

Kappaphycus alvarezii “Cottonii” and Eucheuma spinosum (Carrageenan)
CONCESSION OF THE MOZAMBIQUE GOVERNMENT (500 HECTARES) FOR SELT MARINE GROUP
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Training and Technical Assistance Program for the Communities
High Social and Economic Impact
Thanks
Merci
Gracias