- Kosrae State registered business
- To culture and trade in a wide range of aquaculture commodities
- Main focus:
  1. to be self sustainable as a private company
  2. to culture and export marine commodities for the international marine aquarium industry
  3. export orientated with more local employment
  4. increase & promote aquaculture activities in Kosrae / FSM
  5. sustainable & environmental friendly
  6. work close with the Government’s on reseeding activities
- 2003: 1\textsuperscript{st} contact to the FSM
- 2004: 1\textsuperscript{st} visit of the FSM Nat. Government and Kosrae State
- 2005: Established MMME
- 2005: 1\textsuperscript{st} export of Giant Clams from the National Aquaculture Center
- 2007: Start commercial coral farming with a 100\% private investment. 3 coral farms: Lelu, Utwe, Tafunsak
- 2008: Nov.2008, the National Aquaculture Center was privatized
- 2009: Giant Clam spawning for local food markets (H. hippocus)
- 2009: Reseeding project of 50,000 Giant Clams (T. maxima)
- 2010: Spawning of Trochus for reseeding in partnership with MRK/Kirma
- 2011: Start ornamental fish export to be included

Employment today: 12 FSM & 2 foreigner worker
Export packing:
Giant Clam Spawning and Reseeding Project

December, 2009
Reef flat were the clams are to be reseeded December 15, 2009: 50,000+ juveniles were transferred
Local Food Clam Project

Year: 2009

Spawnning for future local food markets & Local farmers
Hippopus for farmers

“local food market”

Adult Clam 7-10 years old

Juvenile 1 year old
Coral Farming Project

Commercial start: 2007
Corals are grown from small pieces, glued to cement cookies.
Coral Farming

Planting  Reef Site Grow-Out  Finished Product
Corals for re-fragmentation
Local Coral Farmer
New artificial habitat for fish
Utwe Coral Farm Site
Trochus Spawning for Reseeding Project

August 2010
August 2010
Trochus spawning for reseeding
Trochus eggs day 2 after spawning

August 2011: KSA-Fisheries reseeded 1600+ juv. Trochus
Ornamental Fish Export Project

Commercial start: 2011
2010 Received Permit For Fish Export
Start building
Oct/Nov 2010 Building completed
**Employment situation**

**NAC under FSM:** Total staff 3 to 4 → annual budget $100,000 → no export

**NAC under MMME:** Total staff 13 → no FSM budget → export

**Hatchery:** 1 office; 1 Sen. Technician; 1 Jun. Technician

**Coral farm:** 2 Coral farmer
2 Clam/coral farmer

**Fish section:** 1 fish specialist
1 boat captain
2 local fish collector
2 foreigner fish collector / Visa!
Summary

Evidence: Sustainable export out of local resources can be possible here in Micronesia.

Airline: The airline situation must be considered as critical and biggest risk for the operation.

What we have: - 3 commodities Live Fish, Live clams & fragmented corals
  - Highest quality level from the catch or production up to arrival
  - Our customers are: wholesaler around the world
Challenges: How the airline situation has impacts to our export

✓ Standing order! Every 2 to 3 weeks to be repeated

Result for the operation:
- Five orders delayed or lined up waiting for space
- Stop fishing and reduction of working hours
- New employment is critical
- Pack and unpack shipments
The future of MMME related to conservation

• Our projects contribute to more awareness of marine life, their sustainable uses and conservation of the natural resources.
• Our sustainable production will be the source of future reseeding programs in Kosrae and Micronesia.
• The close relationship with fisheries provides transparency export data’s for sustainability of the resources.

MMME projects are available for further partnerships with Governments or organizations throughout Micronesia to replenish overharvested reefs.
GOOD Story teller or BIG DREAMER

1. With 29 years of age: started own import business in Germany
2. Travel around the world and establishing or supporting my suppliers to create a high quality arrival condition.
3. Looking for new sources = FSM / Kosrae Clamfarm
4. 2004 First visit with introduction how to expend NAC for self sustainability
5. Feb. 2005 arrival & start
6. March 2005: I plan to give up
   - worst place in the world
   - never export will be possible
   - no space for Kosrae & “fight” for so many issues to get things done

   Many reasons to give up, but three reasons why I am still here:
   1. The lovely Micronesia and Kosrae by itself
   2. “hopeless”, but so much potential
   and 3.