

Stage 2 of the project

Once the microalgae farm is operational and the cash flow is positive, the full project involving vertical and other farming plus the tourist centre can be started.

Cost for the second stage vary from location to location much more than they do for microalgae, so only a rough overall project projection is given below.

Rough total project projections

Overall figures for phase 1 of a tourism centre tourism center - RM						
		Capex	Several products that would be attractive and profitable to grow on the ground like			
Land 25 hectares		500,000	1	Coconuts for fresh coconut drinks		
Cost per M2 of built floor in building	3,000		2	Lemons and lime		
Total built floor area per floor in M2	600		3	Eggs		
Number of floors	4		4	Mushrooms		
Total building cost		7,200,000	5	Papaya		
Total rentable area for food court in M2	480		6	Long beans		
HOTEL ROOMS 200 @ 300,000 per room	200	60,000,000	7	Ladies finger		
Capex Fish farm		500,000				
Capex for vertical farm		1,200,000		Income year one of full operation/ year 3 of microalgae		
Capex for microalgae starting cost		6,064,000		Annual rental from rentable area at RM 500/M2	240,000	216,000 at 90% occupancy
Capex for all other farms including mushroom farm		1,000,000		Net room rental 200 rooms @ 150/day minus comm, =120/day		6,132,000 at 70% occupancy
Capex for solar power - 800KW with 50KWh battery		1,800,000		Fish farm annual sales		240,000
Capex for biogas and power generation		950,000		Vertical farm yield per M2 growing area per year in kg	100	375,000
Pre-operation marketing		1,500,000		Microalgae gross income year 3		8,820,000
Pre operation, supervision and consultancy		1,125,000		Income - multipurpose hall + supermarket & Up market restaurant/bar		900,000
Capex for all others including infra structure & landscaping		4,000,000		Misc. income - eggs, herbs, coconuts and other produce		360,000
Total		85,839,000		Total income		17,043,000
				Costs		
			1	Directors/ management costs		360,000
Funding	Cost	Funding	2	Wages including overheads for staff per annum		1,500,000
Land and buildings at 80%	67,700,000	54,160,000	3	Depreciations 3% for buildings and 10% per annum for others		3,829,900
All others at	18,139,000	9,069,500	4	Maintenance		1,578,950
	Cost	Funding	5	Interest on loans at 5% p.a.		3,161,475
	Total	85,839,000	63,229,500	6	All other overheads	500,000
	Equity		22,609,500			
					Total	10,930,325
					Expected annual profit	6,112,675