Design Considerations		
Area	12,36	Acre
Shape Class	ERROR	
Maximum Lagoon Depth	5,91	feet
Total Lagoon Perimeter	1.248	linear feet
Lagoon Edge	1.083	linear feet
Beach Entrance	165	linear feet
Modular Treatment System Location	Underground	

Estimated Costs

Based on our experience from work on previous lagoons of similar size and shape, the monthly Technology costs of a lagoon with these characteristics and the design considerations should range between:

Fixed Monthly Technology Cost (**)	Low Season [US$]	High Season [US$]
Modular Treatment System Maintenance Reserve	1.300	1.300
Suction Cart Maintenance	1.600	1.600
Quarterly Site Visits	800	800
Settling Tank Cleaning	400	400
Annual Telemetry Maintenance	300	300

Estimated Monthly Technology Cost (**)	Low Season [US$]	High Season [US$]
Energy	3.400	4.700
Additives	12.300	15.900

Monthly Staff Requirements	Low Season [Staff/Month]	High Season [Staff/Month]
Lagoon Manager	1	1
Foreman or Supervisor	1	1
Machine Room Operator	1	1
Suction Cart Operator(s)	2	3
Manual Cleaning Operator(s)	3	4

Estimated Monthly Staff Cost (**)	Low Season [US$]	High Season [US$]
	35.000	42.000
Total Monthly Technology Cost	**55.100**	**67.000**
Total Monthly Technology Cost per Acre	4.459,64	5.422,79

Important Notice

The figures set forth in this document only consist of the Technology costs and are only for referential purpose and therefore should be validated by a third party cost estimator. These figures are not binding and may vary based on the design considerations and location of the project.

(**) Technology Costs Exclusions and Assumptions

1. These technology costs are calculated considering normal operating conditions, according to Crystal Lagoons standards, for the lagoon.
2. The amount of the Telemetry System Fee considered is US$ 5,000 per month.
3. The costs include two Suction Cart Maintenance per year. The cost shown indicates the monthly reserve.
4. The costs include the Periodic Site Visits (one visit every quarter). The cost shown indicates the monthly reserve.
5. The costs include one Settling Tank Cleaning for each quarter. The cost shown indicates the monthly reserve.
6. The costs include one Telemetry maintenance in a year. The cost shown indicates the monthly reserve.
7. The costs consider the MTS Maintenance every three years. The cost shown indicated the monthly reserve.
8. The energy consumption cost has been estimated using a referential rate of 0.12 US$/kWh.
9. Final staff cost may vary since it depends on local wages.
10. Water lab test may be requested and their price is not included.
11. Estimated Costs do not include operation of Water Pretreatment Plants.
12. Estimated costs do not include any additive which is not part of the Crystal Lagoon Technology.
13. The cost to refill the Lagoon due to water make-up is not included.
14. The costs of maintenance of the MTS and Telemetry considered do not include the basic transportation and lodging expenses for the technician to perform the maintenance on-site, which will be borne by the client.
15. If there are floating games, docks, diving areas or any accessories in the lagoon the hours of manual cleaning required will increase and may increase the maintenance costs.

(**) Any and all costs estimations, budgets, forecasts and projections ('Estimations") prepared by Crystal Lagoons are intended to be solely additional referential information and may not incorporate all factors impacting the project, which should be assessed by a third-party valuator. The suitability and application of certain components of the Crystal Lagoons System in relation to the project will depend on, among other factors, local site conditions, local permitting, designs considerations, regulations, and any applicable governmental authorizations. Crystal Lagoons is not making any promise, representation, warranty or guaranty with respect to the abovementioned Estimations and shall not be held responsible for any divergence between such Estimations and actual final costs or results.