

Project Name: COASTAL REDEVELOPMENT AT K. KUDA HURAA	Country: MALDIVES
Project Location within Country: KAAFU ATOLL	Professional Staff Provided by your Company: Team Leader, Surveyor, Marine Biologist
Name of Client: "Four Seasons Resort at Kuda Huraa"	No. of Staff: 3
Start Date (Month/Year): December 2005	No. of Person-Months: 1.5
Completion Date (Month/Year) February 2006	Approx. Value of Services (in US\$ equivalent): USD 5,000
Name of Associated Firm(s), if any: None	No. of Person-Months of Professional Staff Provided by Associated Firm(s): Not Applicable
Name of Senior Staff (Project Director/Coordinator, Team Leader) Involved and Functions Performed: T. Le Berre : Team Leader M. Athfal : Surveyor I. Abid : Marine Biologist	
Detailed Narrative Description of Project: When the tsunami hit the Maldives in 2004, the Four Seasons Resort at Kuda Huraa was badly affected with lost of coastal structures, erosion and filling of harbor. Consequently, the resort wanted to rebuild and improve the coastline. The techniques employed included dredging and beach replenishment, as well as implementation of new structures.	
Detailed Description of Actual Services Provided by your Company: Dredging activities are potentially harmful to the environment, with most damages occurring through direct physical impact or sedimentation due to the presence of plumes which may drift on coral areas. Improper coastal structures are known to cause major problems to the islands in the Maldives, which have a very dynamic sediment transport. The assignment involved designing some structures which would not impair the natural transport of sediment along the coast. The disposal of the excess sediment from the dredging operations also had to be taken care of and plans for land reclamation in the areas submitted to erosion were also laid out. To elaborate the designs and work plan, the team took the bathymetry of the area, studied the benthic conditions in terms to assess the possible damages to the living organism, as well as minimize efforts by examining the substrate and assess the difficulty which will be faced by the machinery. Finally a report was done to present the works and findings, to assess the possible damages, present mitigation measures and finally seek approval from the Ministry of Environment, Energy and Water.	

Firm's Name : Seamarc Pvt. Ltd.