FLOATING -- Floating Medical Station for Ebola This project is designed to provide medical assistance to Ebola patients residing along coastal epidemic regions, by the use of floating medical stations. There are two types of stations available: Island and Unit. Unit will serve as marine ambulance and sickrooms; Island will function as operating room, ICU, medical office, supply station and so forth. Ebola is widely distributed along coastal regions of Guinea. Of the four major Ebola epidemic nations, Guinea and Nigeria are undergoing civil wars, making it difficult to provide medical services on their land as that would potentially trigger conflicts of international affairs. Islands on the Guinea Bay are also affected by Ebola, which are inaccessible by means of ground transportation. Following is a list of main constraints to consider. 0 Treatment Island Segregation Analysis Road visor: Thin-film Solar battery:: Since 2008, the technology of this newly developed type of solar energy material is becoming mature. Eva is used instead of the traditional silicon. The battery is installed on rooftop to supply energy for daily activities carry out inside the stations. Translucent film allows natural lighting, while shields IR and UV light. Control panel: Medical stations are mobile; they can travel short distances with equipped propeller, and can travel longer distances by being pulled by lager ships. Island bottom: Transportation flow path Units can port at the Islands to be sterilized, refill supplies, reassembled and etc. Porting center foe Units Floating rings: Hollowed rings like lifesavers, these concentric ring are evenly arranged beneath Island to provide buoyancy and structural support. Total of 18 columns are distributed at the bottom to stay underwater. The columns act as buffer ,reducing Island's swing amplitudes against wave ad wind force impacts. Light density carbon fibre is used for high strength and lightweight. It is connected to the floating rings and columns at balanced level to ensure Island float flat on

