



footings of the house protect each other from strong currents. Cooking with biogas instead of charcoal significantly reduces carbon dioxide emissions and deters further harvesting of wood for charcoal.





shops, markets, community houses, schools, chapels, restaurants, with different sizes. Subsequently, a strong barrier is created by involving local community in building process, planning, implementation and monitoring the mangrove ecological system.



The dome structure is inspired by the mangrove root system and protects the house against strong winds, while slats reduce sunlight. The trunks and roots of surrounding mangroves and the pile footings of the mangrove houses protect each other from storm surges and weaken strong water currents.

The windows on each house can be opened for ventilation and to bring the forest ambience inside. Cooking with biogas instead of charcoal significantly reduces carbon dioxide emissions and deters further harvesting of wood for charcoal