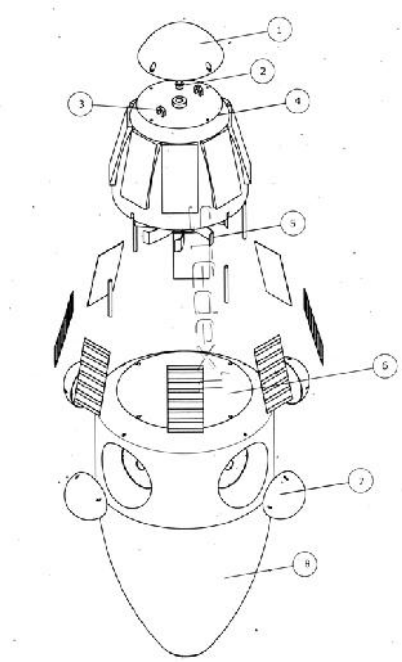
Hybrid Water Buoy

Sustainable Tropical Environmental Design Exhibition 2011
http://www.vlmp.upm.edu.my

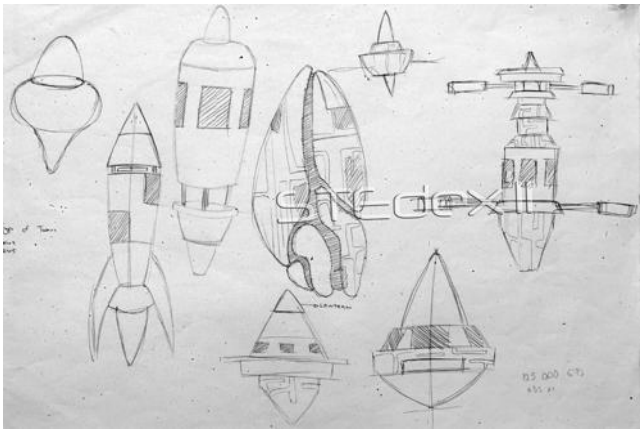
STEdex'11 – Razman Ramli, Bakri Bakar@Ismail, Nik Aizan Nik Abdullah, Muhamadizuan Abdul Manah, ***Hybrid Water Buoy, Sustainable Tropical Environmental Design Exhibition 2011***, ISSN : 2180-0685, Vol : 3, [174-175], Faculty of Design and Architecture, Universiti Putra Malaysia

Lake Kenyir in Terengganu is known for its activities such as tourism, fishing and logging. These activities are normally carried out during daytime and also at night. Therefore, it is necessary to provide an appropriate way finder system for smooth navigation. In dealing with this issue, the designer conducted research on the existing function, technology and buoy external appearance. A new design concept of Hybrid Water Buoy is introduced. It factions as a lighting guidance system which also helps to optimize safety during the journey or whenever boaters move across the lake. Proposed to be used in Lake Kenyir, Terengganu, this product uses solar panels for energy sources. Therefore, it is sustainable, easily maintained and self-rechargeable.



Hybrid Water Buoy_1

Hybrid Water Buoy_2



Hybrid Water Buoy_3

Hybrid Water Buoy_4

Muhamadizuan Abdul Manah
ID registration: MY10-01587-0101
Award: Gold PRPI 2011
Co-inventors: Razman Ramli & Muhamadizuan Abdul Manah