

GALAPAGOS AT THE LEADING EDGE WITH ECUADOR'S FIRST SOLAR BOAT!

WWF Galapagos Program has developed a project about an innovative solar boat prototype for watercrafts in Galapagos. It is specifically focused on the design and implementation of the boat. This project is unique as it helps build a new cultural and technological concept that influences traditional thinking about navigation issues and practicalities of renewable energy in marine transport.

4h AUTONOMY

Initially the boat has a travel range of approximately 4 hours based on an average speed of 4 knots. This means that the boat can travel for about 30 kilometers without recharging!

SAVES 6 to 7 TONS OF CO₂ PER YEAR

Approximately 8 liters of fuel will be saved per day. A calculation based on a yearly period shows a saving of 6 to 7 tons of CO₂ per engine/boat. If you multiply this with the number of boats across the country....
Can you imagine the contribution to the planet?

EIGHT SOLAR PANELS

8 solar panels have been installed in the ceiling of the boat and are directly connected to 2 lithium batteries. These batteries were specially designed for marine use and will last for about 10 years! They feed an electric motor of 20 kilograms that generates an output of 4 kilowatts. **Can you believe it? No sound and no pollution to water or air!**



0 KNOTS 7 KNOTS

The solar boat can reach a maximum speed of 7 knots which is sufficient for a tour in the bay or to function as water taxi.

WWF DPNG ALLIANCE

For this project, which will officially be launched in October 2013, WWF joined forces with the Directorate of the Galapagos National Park (DGNP). This institution provided a boat of 7.5 meters confiscated for illegal fishing operations within the Galapagos Marine Reserve (GMR). WWF contributed by hiring a team of expert consultants to get this confiscated boat converted into a pioneering boat that uses a solar powered system.



About WWF

WWF is one of the world's largest and most respected independent conservation organizations, with over 5 million supporters and a global network active in over 100 countries. WWF's mission is to stop the degradation of the earth's natural environment and to build a future in which humans live in harmony with nature, by conserving the world's biological diversity, ensuring that the use of renewable natural resources is sustainable, and promoting the reduction of pollution and wasteful consumption.

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