



Earthrace

Action Engineering Limited was proud to offer support and services to the Earthrace team on their visit to Dunedin in May 2006



Earthrace is a bid to break the world record for circumnavigating the globe in a powerboat, and using only renewable fuels. The program includes an 18-month tour calling at 60 of the world's great cities, promoting fuels like biodiesel, and raising awareness about sustainable use of resources.

Circumnavigating the globe represents the pinnacle of powerboat challenges, and at 24,000 nautical miles, is also the world's longest race. The current record of 75 days was set by British boat Cable & Wireless in 1998.

The Earthrace aims to smash this record by completing the voyage in less than 65 days, and will mark the first time in history that an official UIM Powerboat record will be attempted using renewable fuel.

The Earthrace will be the highest-profile powerboat in the world, as well as one of the greenest. It is a showcase of environmentally friendly technologies such as low-emission engines, non-toxic antifoul and efficient hull design. It is also one of the coolest looking boats ever imagined.

A Journalist recently commented that the "Earthrace boat is the most amazing looking design" he had ever seen. Brutal good looks however are just the beginning.

This boat has been specifically designed to perform at high-speeds in the world's toughest ocean conditions,

and will at times, submarine right through waves.

Combine this with environmentally friendly biodiesel fuel, and you have one of the most awe-inspiring vessels the world will ever see.

Specifications

- Hull: Wavepiercing Trimaran
- Length: 24m (78ft)
- Beam: 7m (23ft)
- Draft: 1.3m (4ft)
- Range: 3000nm (6000km)
- Maximum speed: 45 knots (90km/h)*
- Fuel: B100 Biodiesel (100%)
- Fuel Capacity: 10,000 litres (2500 gallons)
- Displacement: 10 ton
- Construction: Carbon , Kevlar composites
- Crew: 4
- Beds: 8
- Engines: 2 x 350kW (540 hp) Cummins Mercruiser
- Gearboxes: ZF 305A (single speed)
- Air intakes: top of wings to remain above waves while piercing

Windscreen: 17mm laminated toughened glass