

World's biggest solar-powered boat

Turanor, a giant catamaran launched by the Swiss company PlanetSolar, is planning to circumnavigate the globe simply by harnessing the power of the sun. The 50,000km journey, expected to take over 160 days, is intended to prove the under-exploited potential of solar energy

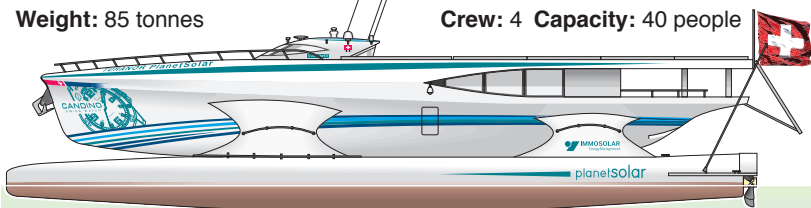
Length: 31m **Width:** 15m

TURANOR

Max. speed: 26 km/h

Weight: 85 tonnes

Crew: 4 **Capacity:** 40 people

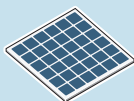
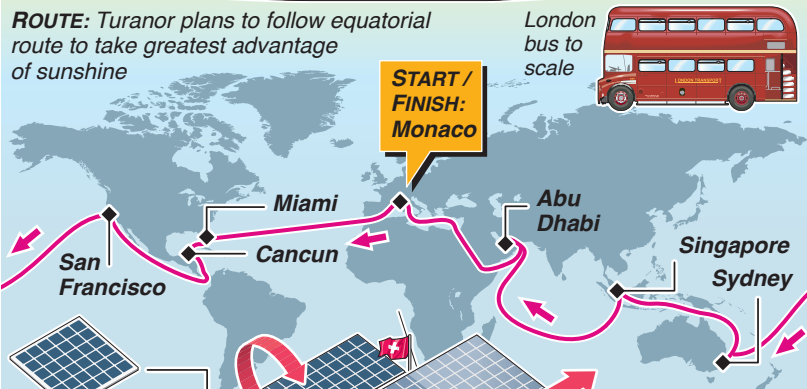


ROUTE: Turanor plans to follow equatorial route to take greatest advantage of sunshine

London bus to scale

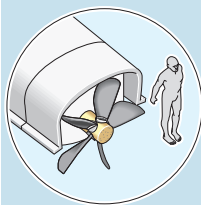


START / FINISH:
Monaco



Solar panels: 825 modules, equipped with 38,000 photovoltaic cells, cover total area of 537 square metres

Propulsion: Twin carbon-fibre propellers enable boat to be steered without rudder



Batteries: Energy stored in world's largest lithium ion battery allows boat to run for three days at 14km – speed of average oil tanker – in absence of sunlight

Solar arrays: Attached to side riggers and "rear wings", can be retracted in stormy weather

Power: Four electric motors have maximum output of 120 kW and energy efficiency of 90%