



## The Solar Sailor

Bluewater Network is committed to advancing clean technology for fast ferries to meet today's transportation needs. Most of today's ferries run on highly polluting diesel engines. But as ferry systems grow, the fleets must convert to alternative fuels and engines that approach zero emissions to protect air and water quality.

The world's first hybrid solar-electric, wind-powered ferry, the Sydney Solar Sailor, is now operating in Australia's Sydney Harbor. When powered only by the sun and wind, the ferry produces zero emissions. When running on its back-up systems of battery banks or Liquid Propane Gas generator, emissions are nearly zero and significantly less than diesel-powered engines.



This super-clean technology was developed in association with the Australian government and is now available to ferry operators worldwide. Bluewater is committed to bringing this new technology to San Francisco Bay.

### **The Solar Sailor is environmentally friendly and unique because it:**

- ▶ is powered by unique "solar wings" that capture the sun and wind;
- ▶ produces zero or extremely low air and water pollution;
- ▶ has back-up battery and liquid propane gas systems;
- ▶ is quiet;
- ▶ generates low wakes; and,
- ▶ is set up for attachment to alternative hybrid power sources
- ▶ has low operational costs due to relatively low fuel and crew requirements.
- ▶ The first commercial Solar Sailor holds 100 passengers and is about 75-feet long. The ferry travels at speeds of 5 to 12 knots depending on power source. Higher speeds can be achieved with longer hull length and larger generators.
- ▶ The sun/wind powered ferry can be designed in various sizes of catamarans and trimarans to accommodate as few as eight people to as many as 1,000 passengers.

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