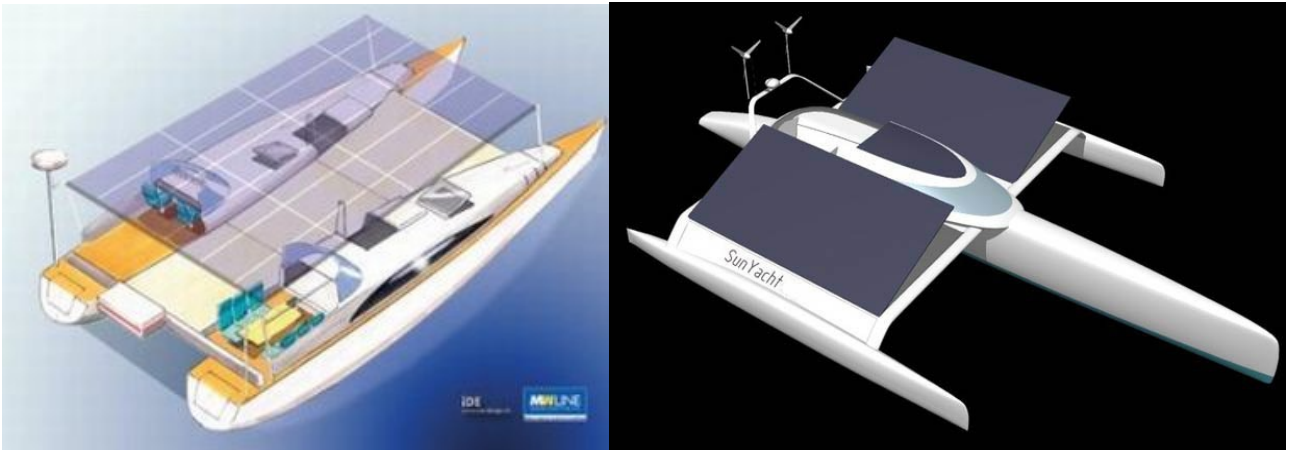


SOLAR SHIP PROJECT



A team of 14 students from mechanical, electrical and chemical engineering

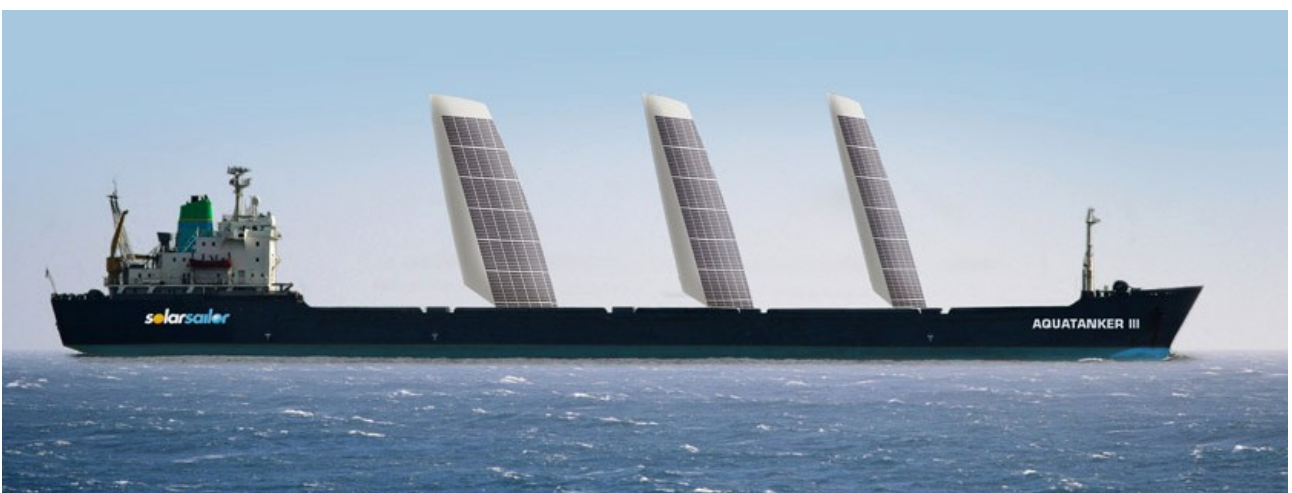
Under the auspice of the *Energy Society* with Dr. Murat Sonmez as advisor
Funded by the *BAP project* with Dr. Ali Muhgtaroglu and Dr. Luc Rolland

Project goal : to design and to construct a simple ship only powered by solar energy.

Timescale : by the end of this academic year, a scaled prototype will be constructed as a proof of concept for a much larger project to come in the next years.

Design : Solar sails, wind power, kytes along with hydrogen production will be studied. The prototype will be Radio controlled from existing models and have battery charging.

Prototype : the ship will be teleoperated by typical radio control and it will be tested first in the METU water bassins and later at Akdeniz in the Bay of Guzelyurt. Students will present this solar ship concept and its related poster to the ICCE-2010 in Framagusta.



Future : the design of a solar powered cargo ship and also a solar yacht involving shipyard companies in Turkey.