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Electric Ship

Development of a solar powered Electric Ship

Structured Data

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PDF Version of the webpage (first 10 pages)

This webpage QR code

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Electric Ship Website Launch

Electric Ship is a project to redefine shipping by using a modular build concept, with multiple missions, using renewable energy.

The initial goals are to find an investor to build the first prototypes.

The business model is a solar powered electric powered multihull yacht for Swiss and Italian lakes, which have a dual purpose of AirBNB. A minimal crew will operate the yachts, starting at Lac Léman (Lake Geneva) in Switzerland which offers more than 40 km of Swiss and French culture, including the Swiss Riviera.

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Infinity Turbine GTL Module $150,000 Experimenters Platform

Infinity (one of the companies behind Electric Ship) is now offering an experimenters platform for those who wish to develop liquid or gas CO2 to plastics and alcohol fuels. Inputs: CO2, H20, DC electricity, and Nafion or other membrane catalysts.

This is significant since our Electric Ships could house GTL (gas to liquid) fuel modules to become factories at sea converting CO2 to plastics and other materials. This can store the CO2 while removing it from the environment.

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About

The electric ship project has been a few years in the making. The basic vessel design has morphed over the past few years and is now becoming a more stable design and mission.

The Electricship website originally started off as a project to develop a comprehensive renewable, affordable, modular electric ship. In my travels, I have met many inspiring people, who encouraged my passion for inventing, and thus led to my developing alternative energy systems and concepts.

I'm a fan of Nikola Tesla, and a innovator in the world of alternative energy, CO2 mitigation, travel reviews (for fun), a commercial pilot, a sailor, and an expert in Filemaker database development. My motto is never stop exploring, and always keep learning. The journey is the destination.

I am developing and designing a eco-electric-ship (multihull) which is fully sustainable for tourism, travel, or small commercial freight/trade, to travel the globe. The modular platform will be able to host a range of missions. Based on the book and community Gaviotas: A Village to Reinvent the World, I hope to evangelize solar technologies, and sustainable tourism, with zero environmental impact (actually will enhance the environment) around the world.

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Xprize

$100 MILLION Prize Purse: XPRIZE Carbon Removal is aimed at tackling the biggest threat facing humanity - fighting climate change and rebalancing Earth's carbon cycle. Funded by Elon Musk and the Musk Foundation, this $100M competition is the largest incentive prize in history, an extraordinary milestone. Any carbon negative solution is eligible: nature-based, direct air capture, oceans, mineralization, or anything else that achieves net negative emissions, sequesters CO2 durably, and show a sustainable path to achieving low cost at gigatonne scale.

Our Strategy: Harvest CO2 from the most plentiful source, the sea (where CO2 is most concentrated). This is done by a new gas leverage turbine called the Sea Merlin Engine.

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Topics

Various topics for the Electric Ship including:

Zeolites

MS Burgenstock

Conrad Bora Bora Catamaran

E Ship Build Components

First Principles

Food at Sea

Galley

Gaviotas

GPU: Ground Power Unit Lithium Ion Power Hand Cart

Modular Composite Multihull

Pearl Beach Bora Bora Soel Yacht Catamaran Review

Rebuild vs New Build Review

Solar Oven

Solar Panel Selector

topics.html

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Producing Alcohol from Liquid CO2

Infinity has already built lots of closed-loop supercritical CO2 systems, and experimented with CO2 cavitation to make a one-moving-part liquid CO2 pump.

Infinity currently sells a cart-mounted portable on-demand supercritical CO2 phase change system for $150,000 which can be used for the experiments listed below, along with many others. It is a cart which was designed to fit through any standard door, hallway, or elevator and has heaving duty casters for mobility.

We are currently looking for funding to develop the following:

1. On-Demand CO2 to Alcohol: Using our closed-loop liquid CO2 phase change system, adding Nafion in the process to make alcohol. Inputs: Liquid CO2, water, and electricity. About 3-4 kW to make a liter of alcohol (from lab experiments).

2. CO2 to Alcohol with In-Situ Power Generation: Using our closed-loop supercritical CO2 phase change system, produce the power via miniature CO2 turbine generator of static electricity generator (SEG) to power the conversion via Nafion.

3. Spin-To-Liquid (STL): A novel one-step approach to producing alcohol from liquid CO2 using a cavitation device with Nafion. This is a one-moving-part device employing sonochemistry with inputs of water and liquid CO2. Electricity is produced in-situ. Shaft rotation is required to spin the device (this can be done via a electric motor, pressure expanding turbine, or other shaft rotation such as a wind turbine).

You can further our efforts by buying our $150,000 systems (which we build - and have four in stock) or by considering an investment to fund our development.

Teaser: Why was Nikola Tesla so fascinated with static electricity and spinning discs ? Our guess is that he had already found the worlds best battery - water. The Tesla turbine (while a fascinating pump) was actually a static electricity generator originally designed to charge water. All of his Colorado Springs experiments revolved around static electricity. Power generation and (wireless) transportation was via static electricity.

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