

7/28/2021



about

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SeaMerlin

About SeaMerlin

Structured Data

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   In 2004 a business formed to convert CO2 to fuel grade alcohol resulted in numerous patents. SeaMerlin is the
   culmination of our CO2 projects to go after the Xprize funded by Elon Musk."
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PDF Version of the webpage

This webpage QR code

<https://seamerlin.com/about.html>

More About the Founder

Experience:

Some of my companies include:

Global Energy LLC
Ocean Ethanol LLC
Infinity Turbine LLC
Infinity Supercritical LLC

Some History:

Global Energy LLC has been selling renewable energy biomass systems (biomass burners, steam turbines, and steam engines) along with lumber/pallet/firewood container mounted dry kilns for the past 30 years.

Forest Products Industry Container Kiln: Global Energy invented the container (using standard ISO shipping container) kiln in 1991 for dimension lumber, timber frame, poles, pallets, and a novel market of kiln-dried firewood.

Capstone Microturbine: In the past 20 years Global Energy set up the worldwide secondary market for distributed energy (microturbines) focusing on the Capstone Turbine via this Global Microturbine website. Applications: Primary or backup power. Greenhouse or grow operations. Hurricane power. Forest fire backup power when the grid goes down. Waste heat can be used directly for drying hemp, firewood, and lumber in a container kiln. Cogeneration to produce both heat, hot airflow, and power for drying operations.

Ocean Ethanol LLC: Since 2004 specialized in CO₂ waste heat to energy, CO₂ to fuels, and sonochemistry with the start-up Ocean Ethanol LLC. In that company received two patents, and developed a catalyst to convert CO₂ and hydrogen into ethanol and alcohol. Also was able to show (lab scale) a fuel cell in reverse that took liquid CO₂, water, and electricity to make methanol, butanol, and ethanol.

Infinity Turbine LLC. ORC Organic Rankine Cycle: Branching off into the waste-heat-to-energy field, Infinity Turbine was organized in 2008. Since then, hundreds of small turbines have been sold and put into the field. Applications: industrial and commercial waste heat, including cloud server 31 C (89F) waste heat using tribo effect power generation and supercritical CO₂.

Power Solutions: Global Energy LLC and Infinity Turbine LLC have teamed up to provide comprehensive power solutions, including developing new power production methods, like TriboElectric Technology (solid state power generation using CO₂ and low grade heat) and the
7/28/2021 battery powered Ground Power Unit (GPU)































