

Pliant Energy Systems specializes in the development of technologies within the marine robotics, energy generation, and pumping sectors. The company's main offerings include amphibious robots, systems for harnessing kinetic energy from flowing water to generate electricity, and passive irrigation pumps.

Deep Sea Mining, with Pliant Energy Systems 18 Jan 2021. I followed up with Benjamin Pietro Filardo, founder of Pliant Energy Systems and NACROM, the North American Consortium for Responsible Ocean Mining. Pietro talks about the deep sea mining industry, an untapped market with a massive potential for growth. Pietro discusses the current ...

Pietro Filardo is the Founder & CEO of Pliant Energy Systems to which he has assigned sixteen of his granted patents. Prior to founding his company he worked as an architect for ten years, most of them at the firm of the late American architect Philip Johnson. Prior to his architecture degree he earned a degree in marine biology and worked as a

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C-Ray platform is a unique autonomous amphibious vehicle, developed by Pliant Energy Systems in Brooklyn NY, with funding from the Office of Naval Research (Dr. Tom McKenna at ONR). It can use several modes of locomotion found in the animal kingdom using just one pair of fins. These fins are best described as four-dimensional objects with a ...

Pliant Energy Systems has won a \$4.4M award (with Option) from the US Office of Naval Research (ONR) to mature their unique marine robotics platform. Benjamin Pietro Filardo, Pliant's Founder and CEO states the following: "After several years of basic and applied research into the under-explored phenomena that make our technology possible ...

The swarms will consist of Pliant's highly agile robots equipped with grippers, processing power and AI. Rather than destroying the seabed floor, these robots can pluck individual nodules from ...

Still, the engineers at Pliant Energy Systems are currently developing a next-gen version called C-Ray, which will likely be utilized to survey the ocean floor for potential hazards, and is funded by the US Navy, who is currently backing the ...

Pliant Energy Systems??Velox??Velox??1??
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Pliant Energy Systems patents and develops technologies in the fields of electricity generation, marine

robotics, propulsion and pumping. Products under development include the amphibious robot Velox, passive irrigation pumps and generators that harness the kinetic energy of flowing water to generate electricity.

Abstract: The TRAVELING WAVE PROPELLER, PUMP AND GENERATOR APPARATUSES, METHODS AND SYSTEMS include force or forces applied to an arc-like flexible sheet-like material to create a deformed crenated strip fin with strained-deformations. The strained-deformations take on a sinusoid-like form that express the internal energy state of the ...

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Pliant Energy Systems has 5 employees at their 1 location and \$4.4 m in total funding,. See insights on Pliant Energy Systems including office locations, competitors, revenue, financials, executives, subsidiaries and more at Craft.

Pliant Energy Systems is developing radically novel technologies in the fields of energy harnessing, propulsion, irrigation and marine robotics. The company has received funding from the National Science Foundation (NSF), US Dept of Agriculture (USDA), New York Energy Research Development Authority (NYSERDA), and is currently being funded through

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