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Pliant Energy Systems conceptualizes, patents and develops highly novel technologies in the fields of marine robotics, propulsion, electricity generation, and pumping. 1. Why did you start Pliant Energy?

Pliant Energy Systems has developed a new engineering paradigm for harnessing the energy of flowing fluid, and for making fluid flow with as little energy as possible. All the technologies emerging from this paradigm concern ...

Work at Pliant Energy Systems. We are always on the lookout for opportunities to add exceptional skills and/or personality to the team. If you believe we could see you as such an opportunity, feel free to get in touch. We do anticipate new hires in late 2024 or early 2025 - info@pliantenergy

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.

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 Awarded \$4.4M Contract from US Office of Naval Research Previous proof-of-concept prototype developed by Pliant Energy Systems \$4.4M contract (with Option) to develop an autonomous, amphibious vehicle with AI enhancements and swarming capability

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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About Pliant Energy Systems. Pliant Energy Systems has developed an extraordinary new engineering paradigm for harnessing the energy of flowing fluid, and for making fluid flow with as little energy as possible. All the ...

Pliant Energy Systems General Information Description. Developer of technologies designed for marine robotics, propulsion, and energy harnessing. The company's platform harnesses the energy of flowing fluid and makes fluid flow with as little energy as possible, having direct applications in defense, marine propulsion, ocean exploration, and ...

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