Rhode Island Commerce CORPORATION

Public descriptions of Innovation Voucher projects recommended for funding (January 2017)

With this funding **FS Maritime** will tap into expertise in environmental hydrology and civil engineering at the University of Rhode Island to complete validation testing of a prototype of its PES™ (Precise Energy Separation) water treatment device. This device generates light waves of appropriate wavelength and intensity to destroy a range of pollutants commonly present in water, including bacteria. This device could find application in the marine on-board water treatment market as well as the household or industrial level, including drinking water treatment.

Working with a renowned expert in brain stimulation at Bradley Hospital, **Phoenix Medical Technologies** will collect important new clinical data and other information to guide the further development, design and commercialization of the company's novel, medical device which uses sensory stimuli to non-invasively treat the symptoms of ADHD and similar medical conditions.

With this funding, **Prisere** will work with the Architecture Department at the Rhode Island School of Design to quantify and refine the improved outcomes achieved with high-performance building technology for climate-resilient design. The information will be used to inform data driven insurance underwriting and pricing models that will benefit smaller businesses and others that take climate-resilient measures.

With this funding, **Siren Marine** and the New England Institute of Technology will collaborate to develop a wireless transceiver and sensors for the Siren Marine Internet of Things cellular gateway. This new technology is being tailored to improve the company's existing technology platform and to expand the capabilities of the system for use beyond the marine market

Xmark Labs is developing a low cost, low latency tracking technology for Virtual Reality and Augmented Reality applications. With this funding the company will access special equipment and expertise in locational tracking and analysis at the Gait Lab at the Providence VA. This will allow the company to integrate custom electronics with a VR system to update its existing software and produce interactive demonstration content for its product.