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THE THERMASAT INC.

16674 N 91st St. Suite 103

Scottsdale, AZ 85260

480-478-8799

engineering@thermasat.com



ThermaSat Inc. Technology Receives Supplemental Funding for Phase II National Science Foundation Award

Scottsdale, AZ Nov. 28, 2022—Howe Industries, the parent company of ThermaSat Inc, has received a roughly \$200k Technology Enhancement for Commercial Partnerships (TECP) award from the National Science Foundation (NSF) to supplement its ongoing Phase II SBIR program. This supplement to the nearly \$1M Phase II award, is intended to help commercialize the ThermaSat propulsion system through an industry partner.

ThermaSat Inc. was formed because of commercial interest in the ThermaSat propulsion system being developed by Howe Industries LLC under the Phase I and Phase II SBIR NSF award. ThermaSat Inc. develops in-space mobility and In-Orbit Servicing, Assembly, and Maintenance (ISAM) solutions with a focus on reusability and “green” propellant.

The ThermaSat propulsion system uses a thermal capacitor and phase change material to rapidly expand water into a superheated jet of steam allowing satellites to move in space. This system utilizes water as a “green” propellant which is safe to handle and integrate posing limited risks to ground crews and other satellites compared to traditional toxic and high-pressure propellants. In early 2022 Howe Industries accelerated the development of the ThermaSat propulsion system with the help of a Phase II grant from the NSF at their Scottsdale facility. Howe Industries is partnering with Orbital Transports Inc for the TECP award. Orbital Transports is a space logistics provider and general contractor for space missions providing end-to-end program services, systems engineering, and coordination of supply chain partners. The two companies will work together to develop a commercial version of the ThermaSat propulsion system for the CubeSat form factor.

ThermaSat Inc. is currently raising capital to develop its ISAM and in-space mobility technologies. If you are interested in investing, you can find additional information at netcapital.com/companies/thermasat or through our website thermasat.com.