

Aerospace Partnership wins Air Force Research Laboratory Joint Energy Technology Supplying On-orbit Nuclear (JETSON) Nuclear Electric Propulsion Demonstration Project

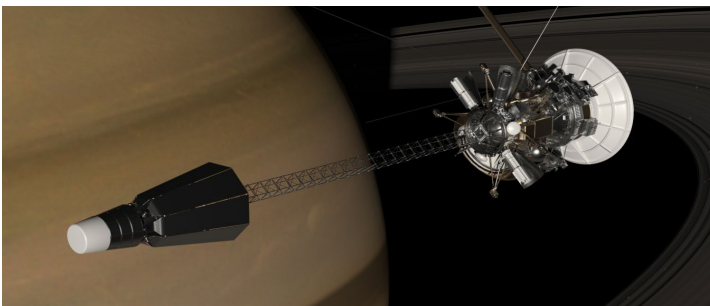
Space Nuclear Power Corporation (SpaceNukes), partnered with Lockheed Martin and BWX Technologies, Inc. (BWXT), has been selected for the Air Force Research Laboratory's Joint Emergent Technology Supplying On-Orbit Nuclear (JETSON) program. JETSON is a nuclear electric propulsion (NEP) development project powered by a nuclear fission reactor with the objective of launching a demonstration reactor/spacecraft into cis-lunar space.

The JETSON team is led by Lockheed Martin who will develop the spacecraft and provide program management. SpaceNukes will design the nuclear reactor power system to provide electrical power to the spacecraft. BWXT will bring their extensive experience in reactor development, testing, and manufacturing.

"The potential of fission power in space is immense and the U.S. must start with a small step to create the expertise and infrastructure needed to provide truly astounding and game-changing capabilities," said Andy Phelps, CEO and Co-Founder of SpaceNukes. "Our company and partners are thrilled that Congress and the DoD have also recognized the need to take such a first step by funding the JETSON program. We're additionally delighted the Air Force Research Laboratory has selected this partnership to perform the JETSON Project"

SpaceNukes was founded by the engineers who created the Kilopower reactor concept while working at Los Alamos National Laboratory (LANL) and NASA. Co-founders Marc Gibson, Patrick McClure, and Dr. David Poston served as the core team of the DUFF reactor experiment (2012) and KRUSTY reactor test (2018), through inception, design, safety, engineering, and testing.

SpaceNukes licensed the Kilopower technology from LANL through the Richard P. Feynman Center for Innovation several years ago and has already taken the design from the tested 1-KWe KRUSTY design to much higher power levels. SpaceNukes is based in Los Alamos, New Mexico, and many aspects of the project are expected to be executed throughout New Mexico.



Kilopower reactor concept attached to spacecraft – Courtesy LANL

For more information on SpaceNukes' technology and team visit www.SpaceNukes.com