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IMMEDIATE RELEASE

Air Force Research Laboratory Awards Moog Contract to Develop New Multimode Propulsion System to Enhance Dynamic Space Operations

East Aurora, NY – Moog Inc. (NYSE: MOG.A and MOG.B), a worldwide designer, manufacturer and systems integrator of high-performance precision motion and fluid controls and control systems, announced today that it has been awarded a contract by the Air Force Research Laboratory (AFRL) at Edwards Air Force Base to develop a multimode propulsion system to enhance the capabilities of satellites used for national security space missions. This first-of-its-kind dual chemical-electric propulsion system is set to revolutionize satellite propulsion, providing unprecedented mission flexibility and adaptability for military spacecraft.

AFRL-Edwards AFB selected Moog to accelerate the development process of a new type of scalable, flexible, and adaptive multimode propulsion system that will use a single propellant and fuel tank for both chemical and electric propulsion, allowing these energy sources to work together within one system. The innovative design combines the high thrust and quick maneuverability of chemical propulsion with the fuel efficiency of electric propulsion to enable satellites to adapt to different mission priorities throughout their lifespan to provide unprecedented mission flexibility and adaptability for dynamic space operations. The design ensures reduced lead times, operational costs, and size, weight, and power, which enhances mission readiness by allowing more spacecraft capacity to be dedicated to payloads rather than propulsion systems.

Propulsion is one of the most critical elements of a satellite and enables orbit transfer, reaction control, station keeping, precision pointing, on-orbit servicing, and orbital maneuvering. The useful on-orbit life and maneuverability of a satellite is largely determined by the efficiency of the propulsion system.

“This transformational technology provides the capability to unlock new mission profiles within the space warfighting domain,” said Mike Popadick, Engines General Manager. “It will not only enhance the operational capabilities of spacecraft but also set a new standard for efficiency, flexibility, and sustainability in satellite propulsion. We look forward to collaborating closely with the Air Force and Space Force to bring this groundbreaking technology to fruition and support their critical mission of maintaining and advancing U.S. military satellites.”

The Moog Space Division specializes in the design, manufacturing, and integration of advanced systems and components for satellites, missiles, launch vehicles, and crew capsules. Dedicated to innovation and precision, the division enhances the reliability, efficiency, and mission success of both commercial and military space operations. Explore more: www.moog.com/space.

About Moog Inc.

Moog is a worldwide designer, manufacturer, and systems integrator of high-performance precision motion and fluid controls and control systems. Moog’s high-performance systems control military and commercial aircraft, satellites, launch vehicles, defense systems, missiles, automated industrial machinery, marine and medical equipment. Additional information can be found at www.moog.com.

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