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IMMEDIATE RELEASE

Moog motion systems for flight simulation certified by EASA, FAA Moog Seat Shaker ‘flies’ I/ITSEC attendees over London in AH-64 Apache

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, will announce at I/ITSEC 2025 upgraded versions of its motion systems: the all-electric E60 Series and the electro-pneumatic P60 Series, both now globally available and ready to be tailored to a customer's specific need. Designed for Level D flight training, the E60 and P60 platforms support up to 14,000 kilograms of load capacity and deliver precise motion fidelity for military and professional training environments. In response to customers' needs, Moog upgraded the motion systems by including maintenance-free elements, modernizing electronics, and reducing total cost of ownership. The EASA and FAA have recently certified Full Flight Simulators that use the Moog systems.

"The customers who've already taken delivery of the E60 and P60 Series say they're pleased by the reliability and fidelity, as they have been delivering training in both the U.S. and Europe," said Shennon Yaw, global simulation product manager for Moog. "Both systems are a great addition to our motion system product line and truly show how our 40 years of experience in simulation continues to benefit the industry."

According to Yaw, the E60's benefits for military and commercial flight training facilities include a selection of actuator stroke options, greater reliability with a 15 percent improvement in mean time between failures, a control cabinet half the size of prior models to save floor space, lower installation costs, and more sustainability. The P60 combines electro-mechanical actuators with integrated pneumatic support to reduce energy use by up to 75 percent versus fully electric systems. The E60 and P60 achieve over 99 percent uptime and provide realistic motion cueing for fixed- and rotary-wing flight training that meets Level D certification requirements.

Cyber-hardened Motion Systems

To meet government requests to protect data and operations, Moog has provided an option for major motion customers who run their motion base with a Red Hat Enterprise Linux (RHEL) operating system. This configuration adds an extra layer of protection against cyber threats, and Moog provides periodic security updates as new vulnerabilities emerge.

Simulated Aerial Tour of London

At Moog's booth (#1949), attendees can experience the company's Seat Shaker paired with VR goggles for a simulated aerial tour of London aboard an AH-64 Apache Longbow helicopter. The Seat Shaker demonstrates aspects of helicopter vibration, adding to the reality of training simulation. This is another high-fidelity building block that Moog can provide its customers who deliver training devices to military and commercial training facilities.

"The users for our Seat Shaker would be pilots training on rotary-wing airframes like the AW109, Airbus H135 or Bell 429," said Yaw. "Whether the training requirement is high volume or irregular, we can design a solution that seamlessly combines motion, control loading, G-forces, VR, and vibration."

Together, these technologies reflect Moog's commitment to customer-focused innovation, engineering leadership, and sustainable product design in next-generation training systems.

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, and space vehicles, launch vehicles, defense systems, missiles, automated industrial machinery, marine, and medical equipment. Additional information about the company can be found at www.moog.com.

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The Moog Seat Shaker on display at I/ITSEC