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## **Advanced Motion Technology Unveiled: Moog Motion Systems E60 and P60 Set New Benchmark for Simulation Across Air, Land, and Sea**

*New E60 and P60 Series redefine training efficiency with sustainable design, energy savings, and unmatched reliability for operators worldwide.*

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, has introduced upgraded versions of its motion systems: the all-electric E60 Series and the electro-pneumatic P60 Series, both of which are now globally available for order. Designed for Level D flight training as well as vehicle and maritime simulation, both platforms support up to 14,000 kilograms of load capacity and deliver precise motion fidelity for professional training environments.

“Our redesigned motion systems improve reliability, simplify maintenance, and enable operators the flexibility to adapt to evolving technologies,” said Noud van Bavel, Global Marketing Manager, Simulation & Test at Moog.

### **E60 Series: New Standard in Electric Motion Systems**

With multiple actuator stroke length selections up to 62.5 inches, the E60 is Moog’s largest standard electric motion system. Its electro-mechanical platform delivers precise motion control, while integrated diagnostics reduce maintenance and operating costs. Building on Moog’s 40 years of expertise in simulation technology, the E60 Series is a fully electric 6-DOF motion system tailored for aviation training centers and other high-precision applications ranging from vehicle simulation to entertainment.

### **Key Benefits:**

- **Enhanced Reliability:** Improves Mean Time Between Failures (MTBF) by 15% and eliminates traditional battery systems, ensuring long-term consistent performance.
- **Compact Design:** A 50% smaller power cabinet saves valuable floor space.
- **Proven Performance:** Achieves 99.8% uptime and meets Level D certification requirements with industry-leading motion fidelity.

- **Sustainable Operation:** Modernized electronics and removal of battery systems reduce energy use and environmental impact.

### P60 Series: Precision Meets Energy Efficiency

The P60 combines electro-mechanical actuators with integrated pneumatic support to deliver high-fidelity motion with significantly reduced energy consumption. Optimized for Full Flight Simulator applications, it offers up to 75% lower energy usage compared to fully electric systems.

#### Key Benefits:

- **Energy Efficiency:** Pneumatic support reduces energy consumption by up to 75% compared to fully electric systems, significantly lowering operational costs and environmental impact.
- **Exceptional Reliability:** Achieves 99% uptime with field-replaceable shocks and a maintenance-free lock spring system that replaces the mechanical brakes of Moog's prior electro-pneumatic motion systems.
- **Advanced Motion Dynamics:** State-of-the-art actuators with pneumatic support deliver exceptionally accurate and high-fidelity motion cueing, essential for both fixed-wing and rotary-wing flight training.
- **Compact Design:** Reduced actuator peak forces by using bi-directional reusable end-of-stroke buffer result in smaller joints. Smaller and thus lighter moving joints increase payload capacity while reducing system footprint.

These motion system technologies reflect Moog's continued commitment to innovation, sustainability, and customer-driven engineering, advancing the performance of training systems worldwide.



Image Caption:  
**P60 Series Motion System**



Image Caption:  
**E60 Series Motion System**

**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](http://www.moog.com).

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