MOOG ACQUISITION OF SUREFLY

ADVANCING MOOG’S POSITION AS A DEVELOPER AND INTEGRATOR OF FLIGHT CRITICAL SYSTEMS

The addition of the SureFly vehicle technologies and key technical personnel will allow Moog to more rapidly develop innovative system solutions to better support both existing and new customers in the aerospace market.

DISTRIBUTED ELECTRIC PROPULSION DRIVE SYSTEMS

DEP is safer and simpler than traditional drive trains. Moog has been developing its own electric propulsion motor for aerospace use. Key lessons learned from the SureFly platform will be applied to Moog’s development program.

HYBRID POWER SYSTEMS

At the core of the SureFly vehicle is an internal combustion, piston engine driving dual generators to provide power to the eight motors. Four lithium battery packs provide backup power. Hybrid power systems is a field that Moog has invested in for aerospace applications. The addition of the technical experts from SureFly only enhances this growing product area.

SAFETY SYSTEMS

When the consequence of loss is high, Moog has a solid pedigree in providing high integrity, redundant flight control solutions. SureFly will allow Moog to continue to refine its capability in this area for a whole new class of future vehicles.

COMPOSITE STRUCTURES

The SureFly vehicle is full carbon fiber construction. While composite structures are not a core business of Moog, the platform provides Moog an opportunity to better understand design and manufacturability of composite structures.

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FLIGHT CONTROL SYSTEMS

Moog is a market leader in flight control systems for aerospace platforms. The SureFly platforms provides an agile test bed for Moog to develop new system architecture solutions as well as develop flight control laws and other software solutions which position Moog for future growth on a variety of aircraft programs.

SIMPLIFIED VEHICLE OPERATIONS

With a forecast for future pilots that far exceeds current staffing levels, a move towards simplified vehicle operations is essential. SureFly gives Moog an opportunity to develop and refine not only the flight control solutions, but also to examine human factors engineering within the cockpit environment.

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