



FOR IMMEDIATE RELEASE

Northwest UAV Propulsion Systems forms Alliance with Vari-Prop for Variable Pitch Constant Speed Propeller System

McMinnville, Ore., July 21, 2009 – Northwest UAV Propulsion Systems has entered into an alliance with Vari-Prop to develop a Variable Pitch Constant Speed Propeller System for Unmanned Aerial Vehicles. Northwest UAV will display this system August 10th during industry day at the AUVSI Unmanned Exhibition and August 11-13 during the exhibition.

According to Chris Harris, NW UAV President; our system is adjustable depending on the theater of operation and altitude; Iraq at sea level or Afghanistan at 7,000' a simple adjustment is all that is needed. Additionally, when the system is combined with our FADEC (Full Authority Digital Engine Control) system in development, the Vari-Prop system gives the UAV operator increased efficiencies not available with fixed pitched propellers. Longer flight times and stealthier operations are two of the benefits realized with this bolt-on solution.

Constant speed propeller systems have been available for larger aircraft for years, and now small UAVs can benefit from this technology. The Vari-Prop system can be bolted onto any engine that is strong enough to turn it and utilize the benefits of variable pitch. The system is extremely simple and easy to install. It can be mounted on direct drive engines with heavy torsional vibration pulses without wear or damage. The Vari-prop system has the ability to custom design the proper propeller blades for the customer's application. This will insure that the customer gets the proper blades with the required length and twist. The system is designed to meet or exceed applicable FAA and ASTM construction and safety standards and for safety, high performance, reliable and maintenance free operation. Categorically the Vari-Prop system is the lightest weight unit on the market and one of the first systems designed for use on UAVs.

[Northwest UAV Propulsion Systems Inc.](http://www.nwuav.com) Northwest UAV Propulsion Systems builds UAV engines and support systems for any UAV propulsion need. We pride ourselves on our turn-key solutions.. If it can be designed, NW UAV can build it. Our systems include solutions for unmanned vehicles of all types - in the air on land and in the water. At NWUAV we offer more than just engines, we build UAV control systems. Ink-jet Fuel Injection; cutting edge fuel efficiency using patented HP technology exclusive to NW UAV. Laser-sinter systems: manufacturing of lightweight products of any complexity from polyamide or polystyrene materials directly from CAD data. www.nwuav.com

[Pitch Control Systems Inc.](http://www.pitchcontrol.com) maker of Vari-prop, the constant speed bolt-on propeller system. Vari-Prop has been under continuous development since 1988. Research and development was completed and company formed in 2004. Two professional pilots recognized the need for reliable, lightweight, pilot friendly AFFORDABLE variable pitch and constant speed & ground adjustable propeller systems for Experimental and Light Sport aircraft. Exclusive, customizable blad and flange configuration for 80 - 300 HP range engines. Vari-Prop Systems are offered in 2, 3 and 4 bladed models. The Vari-Prop is the only hydraulically controlled, bolt on, lightweight variable pitch/constant speed propeller system that is designed to maximize the performance of the new light weight high performance engines.

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