



Harlow Aerostructures and Verocel Achieve FAA Certification Approval of HAT-05 Autothrottle System

Autothrottle system is designed for FAR Part 23 light aircraft improving safety and reliability. Verocel's expertise key in enabling DO-178C certification.

WESTFORD, MA, UNITED STATES, September 5, 2017 /EINPresswire.com/ -- [Verocel®](#), a leader in airborne software and complex hardware certification and [Harlow Aerostructures](#), a leading aerospace manufacturer based in Wichita KS, announced that Harlow's HAT-05 Autothrottle system has received FAA approval. Designed for use on general aviation aircraft with full-authority electronic digital controls (FADEC), the HAT-05 interfaces with automatic flight control systems and flight management systems to reduce pilot workload and improve engine efficiency.

The HAT-05 is the latest autothrottle design from Harlow Aerostructures and is designed for use with twin engine, technically advanced aircraft in either an OEM or retrofit application. The HAT-05 reduces pilot workload by managing the engine's fuel parameters for all flight conditions. It uses inputs from the autopilot and flight management computer to ensure maximum efficiency. Harlow designed the hardware and software and needed a partner to assist in meeting the stringent objectives for software certification. Verocel's expertise in software verification and validation ensured that the HAT-05 software could meet DO-178C objectives.

"Verocel is proud to be a partner with Harlow Aerostructures in enabling our mutual customers to improve the next generation general aviation platforms" said Joe Wlad, Vice-President, Business Development at Verocel. "Our work with Harlow required close collaboration between the two engineering organizations as well as with FAA representatives."

"We are very excited to be able to bring this type of affordable product to market," said Jim Barnes, President, Harlow Aerostructures. "Our partnership with Verocel enabled us utilize the expertise of the Verocel staff in software verification to achieve DO-178C certification in a timely and cost-effective manner."

For more information on Verocel's work with Harlow, visit www.verocel.com. To learn more about Harlow Aerostructures, visit www.harlowair.com.

About Harlow Aerostructures

Harlow Aerostructures LLC, located in Wichita, Kansas, has been a supplier to the aerospace industry since 1954. Harlow has a wide range of aerospace manufacturing capabilities, including high-speed machining, complex assemblies, and aerospace power control levers. In 1982, Harlow was purchased by its current owners, who are committed to long term growth by re-investing profit into technology and people. The company has recently invested 5 million dollars for additional capacity in high-speed cell machining and the development of an "Autothrottle" capability. Harlow continues to develop throttles for general aviation and military applications. Harlow owns the designs for throttles for JPATS (USAF/ USN/ Foreign Military Sales), Scorpion (Trainer), Dahar Socata

900/930 single lever turbo-prop (with patent), HURKUS A, HURKUS B, trainer/ light attack, Novaer Bader 250 light attack, and Premier I. Over the past 17 years Harlow has supported build-to-print designs for Cessna Citation X, Sovereign, and XLS+ platforms. Harlow continues to provide spares and aftermarket repair support, for all of the above. Harlow is currently certified by NADCAP, AS9100, EASA, and holds FAA Repair station and PMA approval on several products shipping within the United States and internationally.

About Verocel, Inc.

Verocel (www.verocel.com) provides expertise and services for software development and verification in the safety-critical software industry. With a strong presence in the U.S. and in Europe, Verocel has extensive experience providing safety-critical software tools and services in the aerospace, automotive, rail, and industrial systems markets.

Verocel's solution suite includes Application Lifecycle Management (ALM) tools for the development and review of software lifecycle data including software plans and standards, software requirements and test development, software structural coverage analyses and life cycle data traceability.

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