U.S. Army selects AnalySwift's VABS Software for Rotary Wing Structural Modeling and Analysis

Logan, Utah (USA), April 9, 2012- AnalySwift, LLC, a leading provider of efficient high-fidelity modeling software for aerospace and energy composites and other advanced materials, announced today that the U.S. Army's Aeromechanics Division, part of the U.S. Army Aeroflightdynamics Directorate (AFDD), has licensed the VABS technology for use in helicopter rotor blade modeling and analysis.

The Aeroflightdynamics Directorate (AFDD) is responsible for advancing knowledge and innovative technology in both rotorcraft aeromechanics and human-system integration in order to enhance U.S. rotorcraft competitiveness. Leader for the Loads, Vibration, and Stability Group at AFFD, Dr. Hyeonsoo Yeo is researching "sectional properties calculated from VABS, for rotary wing structural modeling and analysis."

"We look forward to the continued relationship between the U.S. Army and the VABS engineering software program," said Allan Wood, President and CEO of AnalySwift. "Researchers and engineers worldwide are actively using VABS for the efficient and accurate modeling of composite beams such as helicopter rotor blades, wind turbine blades, high aspect ratio wings, composite bridges, and other slender structural components." said Wood.

According to Dr. Wenbin Yu, CTO of AnalySwift, "VABS is the only tool capable of rigorously modeling three-dimensional (3D) slender solids with complex microstructures, such as composite beams, and we are excited for the progress of Dr. Yeo's research." Wenbin continued, "The efficient high-fidelity tools offered through AnalySwift enable companies to bring products to market more quickly and at a lower cost with the best available compromise of accuracy, efficiency, and versatility."

The unique technology underlying VABS renders it the first truly efficient high-fidelity modeling tool for composite beams, saving users many orders of magnitude in computing time relative to more complex and time-consuming 3D finite element analyses (FEA), without a loss of accuracy. Engineers can now confidently design and analyze real structures with complex microstructures due to this unique efficient high-fidelity feature of VABS. For instance, structures as complex as real composite rotor blades with hundreds of layers can be easily handled by a laptop computer. A new version, VABS 3.6, was recently released, which is several times faster and capable of handling even larger models.

About AnalySwift
AnalySwift, LLC, is a leading provider of efficient high-fidelity design and analysis software for composite materials and structures, particularly cutting-edge technology for structural modeling and micromechanics modeling. AnalySwift's revolutionary solutions are based on a powerful mathematical approach, providing customers a competitive advantage through dramatic reductions in engineering time, without sacrificing accuracy in multiphysics modeling. Utilizing technology licensed from Utah State University, as well as software developed at Georgia Institute of Technology, AnalySwift offers the best compromise between efficiency, accuracy, and versatility for multiphysics analysis of composite materials and structures. The technology has been supported, in part, by US Army, US National Science Foundation, US Air Force, Utah Science Technology and Research Initiative (USTAR), and industry. More information about AnalySwift can be found on the web at www.analyswift.com. For more information, contact Allan Wood, President and CEO of AnalySwift, 801-599-5879 or email allanwood@analyswift.com.