Safety Critical Testing for Flight Control Software

Challenge:

BAE Systems Platform Solutions develops a range of military flight control computers to the highest integrity levels for UK and International customers. These systems are programmed in Ada and are required to demonstrate the necessary level of structural test coverage to meet the applicable certification requirements where cost and schedule are critical factors.

Solution:

With the high degree of commonality in application between these programmes BAE Systems Platform Solutions selected VectorCAST products due to their functionality, ease of use and integration with the toolset from Green Hills Software. VectorCAST has proven to be an efficient and effective solution to our testing needs.

Details:

BAE Systems Platform Solutions has been using VectorCAST products on projects such as the Hawk Advanced Jet Trainer and Eurofighter Typhoon since 2004. Products used include VectorCAST/Ada, VectorCAST/RSP and VectorCAST/MCDC.

BAE Systems - Platform Solutions