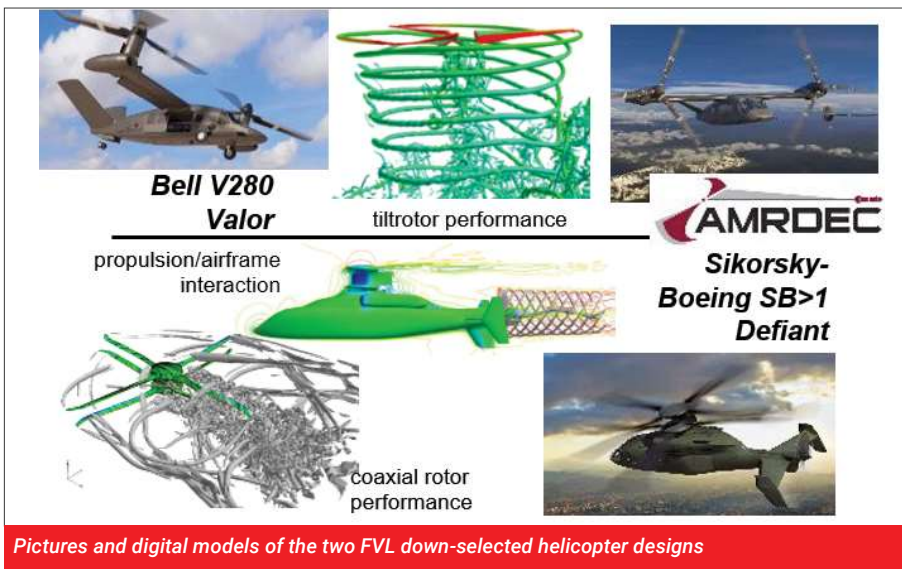


FUTURE VERTICAL LIFT

Success Story - Army



PROBLEM

Helicopter design is one of the most complex of aviation design challenges because many of the physics-based elements that impact the platform are difficult to understand and observe until after a physical model is built and tested. An accurate, repeatable virtual prototyping method was required to allow physics-based, finite element analysis (FEA) of various platform designs for the program to test and compare several industry design options in a controlled, digital environment.



SOLUTION

HPCMP CREATE-AV Helios software used to model the Joint Multi-Role Technology Demonstrator (JMR TD) aircraft to predict performance.



IMPACT

Future Vertical Lift has reduced the risk through independent technical assessments provided to the JMR TD Program Office. It enables validated analysis capabilities for FVL acquisition.