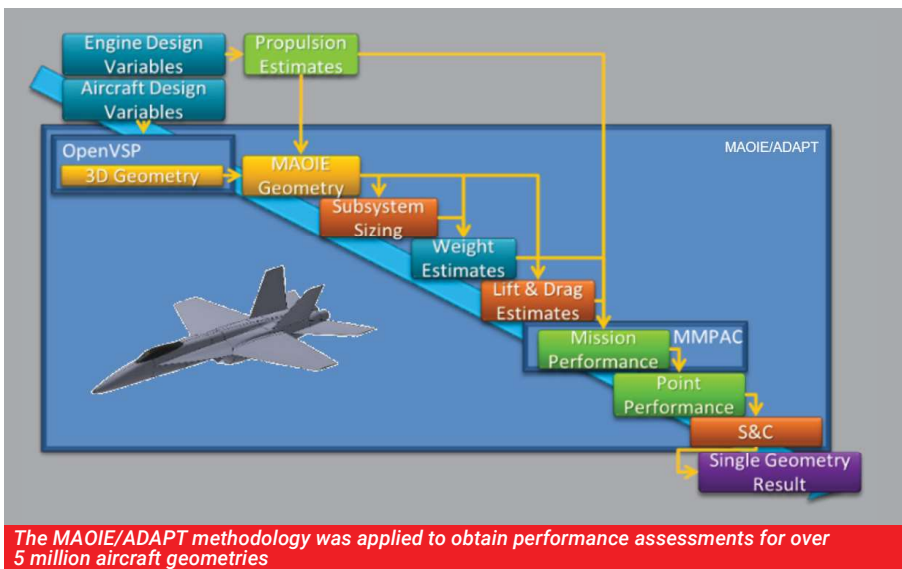


# NAVY NEXT-GENERATION AIR DOMINANCE (NGAD) AoA

Success Story - Navy



## PROBLEM

The Next Generation Air Dominance (NGAD) analysis of alternatives (AoA) studied a family of systems of materiel solutions to the capacity and capability gaps left by the retirement of the F/A 18E/F and EA-18G in the early 2030s. The AoA needed to conduct technical feasibility assessments of aircraft conceptual designs across a broad tradespace.



## SOLUTION

The HPCMP CREATE™ software ADAPT was used to provide high-quality analysis of tech feasibility, and provide high-confidence inputs to both cost and effectiveness analysis.



## IMPACT

Performance estimated for over 5 million aircraft design geometries during the AoA. Analytically rigorous models from this software improved the fidelity of both cost and effectiveness estimates. Because of this capability, the AoA team was able to provide more options to OPNAV and OSD CAPE.