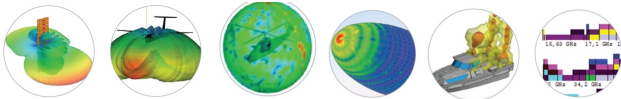


Altair High Frequency Electromagnetics (HFEM)

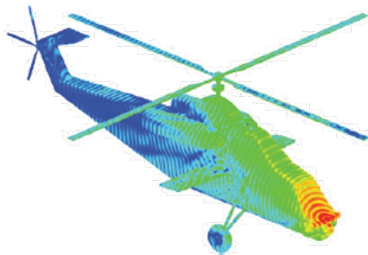
Product Brief

- + Antenna design and the analysis of installed antenna performance on large platforms
- + Radar cross section and scattering analyses
- + Radio and Radar Coverage and Planning
- + RF interference and spectrum management
- + Analysis of radiation hazards and bio-electromagnetic scenarios
- + Electromagnetic simulation and analysis of complex radomes



DoD/Federal/Industry Customers Include

- + Land vehicle Defense Prime contractors
- + Aerospace Defense Prime contractors
- + US National Laboratories



Altair Differentiators

- + One Product, Multiple Solvers – full wave and asymptotic solutions
- + True Hybridization of full wave and asymptotic solutions
- + Validated for Solver Accuracy and Performance
- + Specialized Solutions for cable modeling, and co-site interference
- + Complete Connectivity workflow
- + Design Optimization with Machine Learning
- + Trusted software for aerospace and defense applications

[White Paper: Electromagnetic Simulation for Electronic System Design in Aerospace and Defense](#)

DoD Problems Solved

- + Reduce the time for design and prototyping
- + Increased operational readiness of combat systems
- + Increase reliability of communications
- + Enhanced Spectrum Management
- + Protection from EMI and EMP effects
- + Decrease Radio Frequency Interference
- + Sustainable mission readiness

