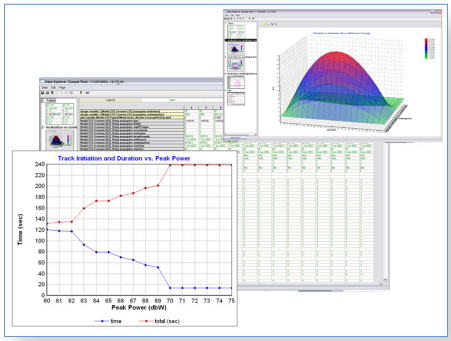
AGI SOFTWARE FOR ELECTRONIC SYSTEMS

MODEL
SIMULATE
VISUALIZE

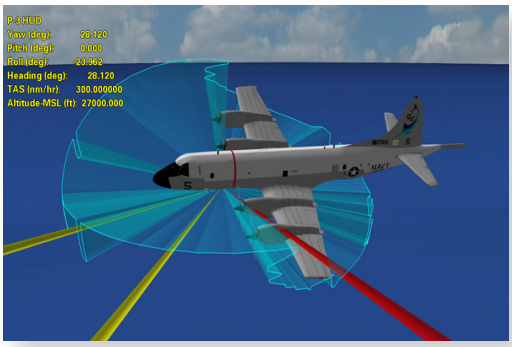
Electronic Systems Software

AGI supplies applications and development kits to model and visualize time-varying performance of RF communication and radar systems. These systems are modeled in mission architectures involving ground vehicles, aircraft, missiles, ships and satellites. Capabilities cover analog and digital links; navigation accuracy; search/track and synthetic aperture radars; and interference and jamming. By explicitly modeling essential attributes of the mission and environment, AGI software yields more accuracy, insight and productivity than abstracted or standalone RF analyses.



Concept design

The concept phase relies on rapid trade studies to synthesize, compare and down-select alternative architectures. AGI software keeps effort focused on these trades and not tool development. A continuous spectrum of fidelity lets detail increase as designs mature, allowing engineers to quickly reach optimal RF designs and clearly communicate mission-level benefits.

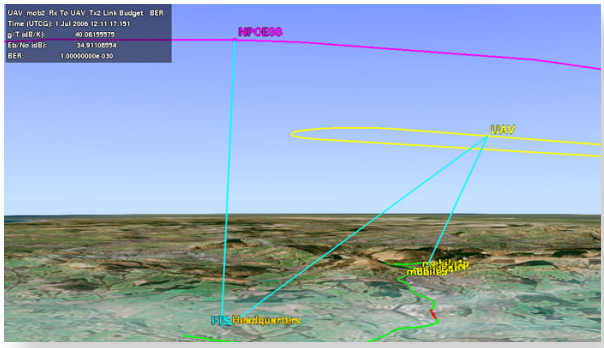


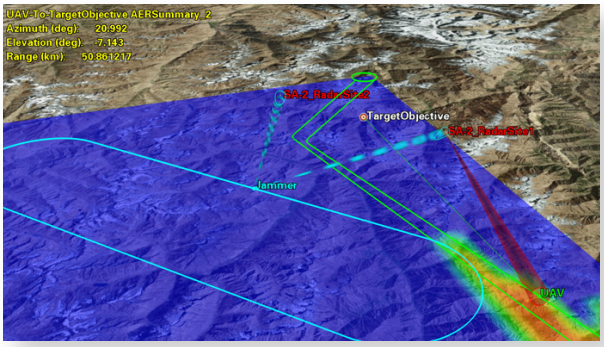
Plan, optimize and analyze field tests

Test outcomes can be impacted by decisions such as where to mount an antenna on a vehicle, what path the vehicle will follow, the geospatial environment and location of telemetry and measurement stations. AGI software accurately models the outcome of these choices to ensure test objectives are met without wasting expensive resources.

Evaluate integrated mission architectures

An integrated mission performance model speeds system engineering, promotes innovation and leads to optimal mission design and operations. AGI software provides an integrated model of RF performance, vehicle performance, sensor coverage and more to illuminate and facilitate trades across mission subsystems.





Plan operations relying on RF performance

Planners and operators need to know how specific RF systems will perform in specific geospatial environments. AGI software localizes analyses and accurately characterizes expected performance, letting planners better decide where and how to employ communications and radar assets.

To learn more, please contact AGI at ***1.800.220.4785*** *or 1.610.981.8000, or visit* ***agi.com/ElectronicSystems****.*