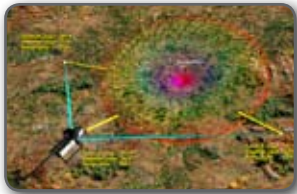


AGI Software for Manned & Unmanned Aircraft Systems



From dynamic platform and payload modeling to the incorporation of radio frequency (RF) interference sources, AGI software gives you more than accurate visualization — you get a complete situational understanding of the system, the environment and the mission. Whether you are building deployed solutions or need an off-the-shelf application, AGI software supports manned and unmanned aircraft programs through:



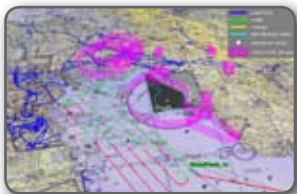
SYSTEM DESIGN AND ANALYSIS

- Model the entire aircraft system - platform, payload and communications network
- Evaluate platform and payload configurations against mission scenarios
- Run parametric studies, carpet plots and probabilistic analyses
- Reduce the time, cost and risk of system design, engineering and test



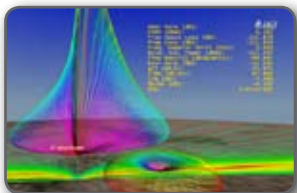
MISSION PLANNING

- Plan routes based on mission objectives, platform, and payload performance
- Detect possible route conflicts within spatial and temporal tolerances
- Analyze the planned route against mission objectives
- Measure payload performance - coverage time, sensor resolution or RF signal strength



SITUATIONAL AWARENESS

- Integrate disparate feeds to build a common operating picture (COP)
- Leverage full-motion video and blue, red and neutral force tracking
- Analyze and visualize communication links, GIS data and ISR assets
- Make better decisions faster through interactive tactical graphics



COMMUNICATION SYSTEM MODELING

- Define detailed transmitter and receiver elements with antenna pointing
- Analyze direct or bent pipe communication links over time
- Include atmospheric loss, light time delay or terrain constraints
- Analyze accidental/intentional jamming effects



VIDEO AND IMAGERY EXPLOITATION

- Facilitate targeted searches of cataloged video and imagery
- Return precise times where video and imagery match specified requirements
- Specify additional attributes (e.g. sensor geometry, terrain, lighting, etc.)
- Provide more intelligent data, faster



INTEROPERABILITY AND INTEGRATION

- Interoperate with key commercial products out of the box
- Connect to automation interfaces through compiled and scripting languages
- Develop with Software Development Kits (SDKs) to deploy custom solutions
- Exchange data through standard geospatial, model and data-feed formats

Get more info at: aircraft.agi.com

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SOFTWARE FOR SPACE, DEFENSE AND INTELLIGENCE

