

# Mission Planning



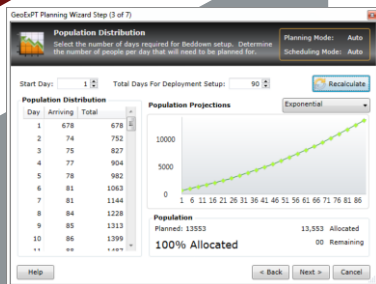
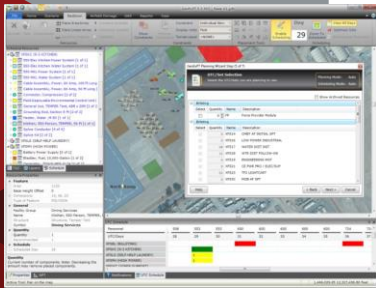
## Tools for Military Planning and Civil Engineering Communities

DoD mission planners across all Services provide warfighters with the plans they need to successfully complete their missions. DS2 software is experienced in designing, developing, testing, delivering, and sustaining mission planning systems for ground, maritime, and air operational domains.

Our experience spans more than a decade and includes:

- Defensor Fortis to support the airbase defense mission
- Navy's Landing Craft Air Cushion (LCAC) vehicle
- Basic Expeditionary Airfield Resources Order of Battle time-phased planning visualization tool
- Geospatial Expeditionary Planning Tool (GeoExPT)
- Joint Construction Management System (JCMS)
- Airfield Pavement Evaluation (APE)
- Airfield Damage Repair (ADR) Analysis
- Installation Recovery After Attack (IRAA)
- Rapid Airfield Damage Assessment System (RADAS)
- Basic Expeditionary Airfield Resources (BEAR) Order of Battle (BOB) Planning Factors

DS2 is presently in advanced development of the USAF Geospatial Expeditionary Planning Tool providing additional integration of a common geospatial data base-line for DoD's Joint Construction Management System; re-engineering the Air Force's airfield pavement evaluation process; designing and developing software to assist in the recovery of an installation after an attack from non-friendly adversaries; integrating advanced robotics into the Air Force airfield damage assessment and rapid runway repair processes; and implementing the DoD Architectural Framework for evolving mission systems.



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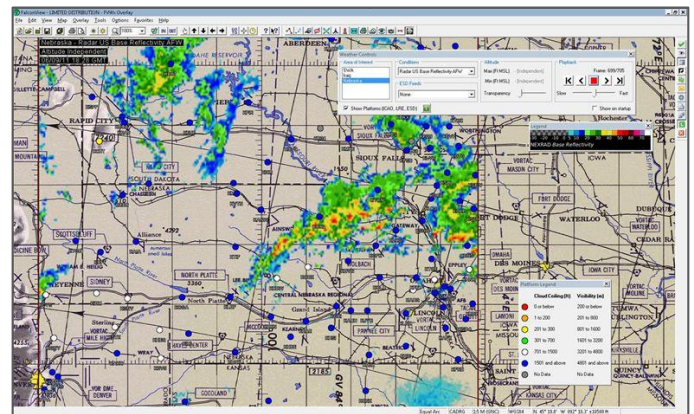
## Flight Mission Planning

### Helping the Warfighter with Critical Strategic Planning

Mission Planning for the Air Force is an essential task that involves the analysis and development of complex flight plans that incorporate targets, terrain, weather, aircraft configuration and performance, and other aircraft and supporting capabilities into a coherent plan. This includes planning for cargo, weapons, fuel requirement calculations, and route assessment based on location and type of enemy threats that may be encountered. Plans are developed, reviewed, coordinated, and briefed by aircrews to achieve maximum effectiveness and efficiency prior to loading the mission to on-board aircraft avionics.

We have the knowledge and experience with Air Force mission planning products, toolsets, libraries, and frameworks including:

- Portable Flight Planning Software (PFPS)
- Execution Planning Software (XPlan)
- Joint Mission Planning System (JMPS)
- FalconView



At DS2, our staff has had a close working relationship with Air Force and Navy mission planning communities for many years and have been involved in the development of various components of Portable Flight Planning Software (PFPS), Execution Planning Software (XPlan), and the Joint Mission Planning System (JMPS) over the last 15 years.

We are currently developing the Mission Planning Environment (MPE) that supports F-15 mission planners and warfighters. In addition, we have been involved with Army and Air Force Installation Geospatial Information and Services (IGI&S) from the outset of those programs, specializing in custom geospatial applications development, training, deployment, and support.



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