Geospatial and Remote Sensing Services

Government agencies invest billions of dollars in the production and exploitation of spatial information, including satellite imagery and feature data, systems to predict the location of insurgent improvised explosive devices (IEDs) or the next famine, and models that forecast hurricanes and assess potential risk to critical infrastructure and livelihoods. The more globalized and connected our world, the more geography matters. A host of government missions—protecting our homeland, providing disaster assistance, locating and monitoring terrorist networks—all benefit from a geographic perspective that integrates, interprets, and visualizes threats as they emerge in the context of their location.

Booz Allen Can Help You Be Ready For What’s Next

Booz Allen Hamilton, a leading strategy and technology consulting firm, uses geospatial and imagery exploitation tools to visualize vast amounts of threat and risk-related data in various contexts. As part of our Analytics Signature Service Offering, we combine deep technical knowledge with our trademark consulting approach to help government clients in the security, defense, and civil sectors, as well as international partners and commercial clients, achieve success using geospatial tools and techniques within their existing operations. Our more than 400 geospatial and remote sensing professionals working across the federal government leverage their capabilities and intellectual capital so that our clients can realize the full potential of technologies and processes and revolutionize the way they conduct operations that have a location component. Booz Allen brings the following assets to each challenge:

- **Skilled Professionals.** Our staff have the technical expertise for and the comprehensive understanding of the many national overhead and commercial satellite and airborne imagery sensors, geospatial technologies, software programs, and data types, and are able to leverage those skills for a variety of mission needs.

- **Mission Understanding and Experience.** With our clear understanding of the federal government’s geospatial and remote sensing requirements, we work closely with personnel from a variety of agencies to meet those needs.

- **Geospatial and Remote Sensing Expertise.** As part of larger mission requirements, we work closely with other capabilities throughout Booz Allen to deliver full-service solutions—whether it is intelligence analysis, infrastructure protection, disaster response, military operations, or homeland security missions.

- **Objectivity and Independence.** Because we are not tied to any particular proprietary product or system, our sole commitment is to provide the best solution for our clients.
Delivering Critical Geospatial and Remote Sensing Support

We bring essential experience, talent, and thought leadership to help you expand your capabilities with geospatial and remote sensing technologies. Booz Allen understands and can offer support with a full range of geospatial and remote sensing consulting services:

- Geospatial Strategy and Governance
- Geospatial Tradecraft
- Geospatial Data Services
- Geospatial and Imagery Analytical Services
- Remote Sensing Operations and Consulting Support
- Remote Sensing Data Analysis and Science
- Geospatial Commercial off-the-shelf (COTS) Technology Services
- Collection and Requirements Management
- Space Systems Applications Support.

Successful Client Engagements

Interagency Infrastructure Information Community. Booz Allen supports the Office of the Assistant Secretary of Defense for Homeland Defense and Americas’ Security Affairs-led Defense Critical Infrastructure Program, the US Department of Homeland Security’s Office of Infrastructure Protection, the National Geospatial-Intelligence Agency’s Office of the Americas, and the US Geological Survey, as well as the 3,600 contributing partners of the Homeland Infrastructure Foundation-Level Data (HIFLD) Working Group. We bring data providers, users, and geospatial expertise together to build common homeland infrastructure operational data and to ensure that federal data, tools, and best geospatial practices are transferred to state and local governments in support of homeland defense, security, emergency preparedness, and response and recovery. Specific geospatial support includes interagency infrastructure data requirements identification; continuous improvement of Homeland Infrastructure Security Program (HSIP) data sets; HSIP data acquisition, request, metrics, and feedback processes; and HIFLD to the regions.

US Department of Homeland Security (DHS) Geospatial Concept of Operations (GeoCONOPS). Booz Allen supports this multiyear effort focused on the geospatial communities working under the National Response Framework (NRF). GeoCONOPS is intended to identify and align the geospatial resources that are required to support the NRF, emergency support functions, and other federal mission partners. The plan allows end users to have authoritative, expedited, and coordinated mechanisms that facilitate geospatial information sharing. GeoCONOPS reduces redundancy and confusion and ensures efficient access to geospatial information for incident management.

US Department of the Interior, Bureau of Land Management (BLM) Field Office Resource Management Plan (RMP)/Environmental Impact Statement (EIS) National Environmental Policy Act (NEPA). Booz Allen assists multiple BLM field offices in developing their RMP/EIS with fidelity to the NEPA process. NEPA requires federal agencies to consider a wide range of scientific, procedural, and management issues when planning major actions that could significantly affect the quality of the natural and human environment. NEPA serves to preserve and manage our nation’s natural environment by requiring policymakers to integrate environmental values into decisionmaking. Booz Allen addresses many geospatial requirements for NEPA, including virtual interpretation of operations, analysis and visual representation of the effects of alternatives, management of spatially referenced resources, Environment Pollution Control Authority cumulative effects analysis for oil and gas initiatives on federal land, and geospatial collaboration.

Whether you’re managing today’s issues or looking beyond the horizon, count on us to help you be ready for what’s next.