Ball Aerospace delivers world-class advanced geospatial-intelligence technologies and services to the intelligence community and the warfighter. We have deep history in providing cost effective, agile and innovative solutions that support the needs of the world-wide GEOINT community.
Ball is an industry leader in producing timely, accurate, and actionable information through the fusion of geospatial-intelligence data and development of open enterprise architectures. We develop cost-effective software and systems for integration into operational environments, and enable big data collection, processing, analysis, transport and actionable information delivery. Ball's legacy is providing innovative geospatial-intelligence research & development (R&D), operational support and systems to satisfy mission requirements in an innovative, agile, cost effective way.

RESEARCH AND DEVELOPMENT

Our R&D group has a legacy of innovative research used to solve our nation’s most pressing geospatial-intelligence challenges.

- Sensor characterization
- Electrical optical, infrared and atmospheric phenomenology
- Modelling and simulation
- Advanced processing and exploitation algorithms and techniques
- Space and counterspace analysis
- On-orbit sensor calibration

SYSTEMS INTEGRATION AND SOFTWARE DEVELOPMENT

Ball is a leader in ingesting, managing, processing and exposing relevant data in a geospatially enabled manner.

- Open architectures, open standards, open source applications
- Cloud technology integration (C2S, AWS)
- Large data processing and exploitation infrastructure
- Real-time processing and exploitation
- Processing and exploitation tools
- Task management/workflow systems
- End-end Tasking, Processing, Exploitation, and Dissemination (TPED) solutions
- 3D visualization and animation

ENTERPRISE SEARCH, DISCOVERY AND INTEGRATION SERVICES FOR GEOSPATIAL-INTELLIGENCE DATA

- Enterprise data management
- Enterprise and federated search capabilities
- Transforms data holdings for ingesting to the Intelligence Community (IC) Cloud

CUSTOMERS

Ball provides a wide range of air, space, cyber, and counterspace engineering expertise with intelligence analysis services. In addition to our world-class labs, we’re collocated with our customers around the nation, who include:

- The National Geospatial-Intelligence Agency (NGA)
- The Defense Intelligence Agency (DIA)
- National Reconnaissance Office (NRO)
- U.S. Central Command
- The National Air & Space Intelligence Center (NASIC)
- Multiple U.S. Air Force organizations

INFORMATION/SERVICES SYSTEMS

- Workflow and requirements management
- Hardware and software requirements development and continuous improvement
- Hardware and software configuration management and integration

GEOSPATIAL-INTELLIGENCE DATA

- Optimizing remotely sensed data
- Data analysis processes, technologies and tools
- Service-enabled GEOINT data prototype
- 24/7 operations

OPERATIONAL SUPPORT TO THE WARFIGHTERS

- GEOINT production and analysis support (PIR, TIR, Spectral, GMTI, OTH, MASINT, SAR)
- Integrated forensic analysis

OVERHEAD PERSISTENT INFRARED (OPIR) COLLECTIONS REQUIREMENTS MANAGEMENT

- Web-based
- Consumer can create, elaborate, augment, approve and status collection requests
- Exposes key data access services across the National System for Geospatial-Intelligence (NSG)