

# ADVANCED INFORMATION SOLUTIONS



GO BEYOND WITH BALL.®

Ball Aerospace delivers world-class advanced geospatial-intelligence technologies and services to the intelligence community and the warfighter. We provide cost effective, agile and innovative solutions supporting the needs of the GEOINT community.

## OUR ROLE

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 that enable big data collection, processing, analysis, transport and actionable information delivery.

Our scientists research & develop innovative geospatial intelligence exploitation algorithms and techniques. Our developers efficiently transition these algorithms into operational intelligence production systems.

### 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
- Event Driven Architectures and SecDevOps
- Cloud technology integration (C2S, GovCloud, AWS)
- Big data processing infrastructure
- On-board & real-time processing and exploitation
- Ground processing and exploitation tools
- Task management/workflow systems
- End-end Tasking, Processing, Exploitation, and Dissemination (TPED) solutions
- 3D visualization and animation

### ENTERPRISE SEARCH AND DISCOVERY

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

### INFORMATION/SERVICES SYSTEMS

- Commercial Software-as-a-Service (SaaS) offerings with machine learning & customized analytics
- Workflow and requirements management
- Hardware and software requirements development and continuous improvement

## CUSTOMERS

Ball provides a wide range of air, space, cyber, and counterspace engineering expertise with intelligence analysis services. Our customers include:

- The National Geospatial-Intelligence Agency (NGA)
- National Reconnaissance Office (NRO)
- The National Air & Space Intelligence Center (NASIC)
- Defense Advanced Research Project Agency (DARPA)
- Multiple U.S. Air Force organizations
- Multiple Combatant Commands

### SCIENTIFIC INNOVATION

Our innovative research solves our nation's most pressing geospatial-intelligence challenges.

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

### GEOSPATIAL-INTELLIGENCE DATA

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

### PERSISTENT INFRARED (PIR) EXPERTISE

- Experience developing and deploying PIR capabilities within C2S
- Leader in automation of PIR algorithms and techniques
- 30-year legacy providing PIR capabilities

### OPERATIONAL SUPPORT TO THE WARFIGHTERS

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

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