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MOMENTUM AEROSPACE GROUP

MAG
AVIATION

MAG
LOGISTICS

BOSH
Global Services



MOMENTUM AEROSPACE GROUP

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Special Services

MANNED AERIAL SURVEILLANCE

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Global Situational Awareness

OUR SERVICE

WE IMPLEMENT manned airborne ISR solutions to provide situational awareness to our customers so they can make key decisions.

WE OPERATE multi-mission manned airborne ISR platforms with complex mission systems to develop usable products that shorten the decision cycle for our customers.

WE TRAIN customers to operate manned airborne ISR platforms to maximize the capabilities of existing or newly procured equipment.

MANNED AERIAL SURVEILLANCE

Momentum Aerospace Group (MAG Aviation, MAG Logistics, BOSH) multi-mission experienced team brings proven operational performance through the application of leading sensor technologies to help you overcome your **Coastal, maritime, and situational awareness** challenges.

MAG seamlessly blends operational excellence, technical platform and integrated sensor expertise, and flawless procedural execution to successfully meet our customers' most critical surveillance needs.

With over 400 elite operators and technical experts serving the needs of our international partners around the world; MAG is committed to:

- A relentless focus on setting our customers up for success while complying with host nation regulations and processes;
- Mastering and deploying leading edge game-changing sensor technologies;
- Self-sustained turnkey mission execution in any location, including in the world's most austere locations.





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Catalytic Protection

UNMANNED AIRCRAFT SYSTEMS

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OUR SERVICES

We operate, maintain, train, and evaluate all sizes of Unmanned Aircraft Systems (UAS):

TRAINING

- Instruction, courseware development, and subject matter experts
- Basic, Initial, Mission, and Instructor Upgrade Qualification Training
- Mobile Training Team Support
- Train partner country staff on UAS operations

OPERATIONS SUPPORT

- Field Service Reps: Mission Coordinators, Operators, and Maintainers
- Ground Control Station (GCS) and communications/datalink support
- Flight operations and data analysis
- Serve as contractor aviation advisors
- System storage, inventory control, logistics support and "forward repair activity"

UNMANNED AIRCRAFT SYSTEMS

Momentum Aerospace Group (MAG Aviation, BOSH, MAG Logistics) UAS flight operations teams are comprised of highly experienced, multi-platform mission commanders, coordinators, and maintainers who support operations worldwide. Company field service representatives are deployed in combat zones and embedded with military forces. With extensive experience in the most demanding combat and peace keeping environments, MAG is capable of supporting the most demanding and critical UAS operations.

In addition to operations expertise, MAG is a leading provider of UAS operator training programs for DoD Group 1-3 aircraft. Instructors work hands-on with their students to provide a high-fidelity training environment for optimal student development.

MAG's unmanned team brings proven operational performance through the application of leading unmanned platforms, communication systems and sensor technologies to provide situational awareness for personnel to analyze, inform, and provide the knowledge you need to prevent surprise, make decisions, and oversee operations.

MAG seamlessly blends operational excellence, technical platform and integrated sensor expertise, and flawless procedural execution to successfully meet our customers' most critical surveillance needs. MAG seamlessly provides, integrates, and operates unmanned technologies within the customer's architecture to ensure the utmost confidence in the decisions they make.

MAG leverages over 400 elite operators and technical experts serving the needs of federal, local, and international partners around the world, to provide an unmanned solution that:

- Empower our customers to maintain the decision advantage by providing situational awareness across the full spectrum of operations.
- Ensure the right sensors are positioned at the right place, at the right time, while processing and disseminating the data to enhance the customer's decision making.
- Are self-sustained turnkey missions executed in any location, including in the world's most austere locations.





Global Training, Global Results

OUR SERVICES

WE PROVIDE aviation aircrew operational support and training on Non-Standard Rotary Wing (SR²T) helicopters and Fixed Wing Aircraft.

WE PROVIDE maintenance and logistics operational support and training on NSRW helicopters and Fixed Wing Aircraft.

 **WE HAVE DEVELOPED** a proprietary methodology for providing Aviation Foreign Internal Defense (AVFID) Support and Training for partner nations.

 **WE CAN EXECUTE** this mission in any Area of Operations, and provide a SAFE-EFFECTIVE -SUSTAINABLE technical solution that is tailored to each customer's mission and aviation infrastructure.

AVIATION TRAINING SERVICES

Momentum Aerospace Group (MAG Aviation, MAG Logistics, BOSH) utilizes U.S. Military Training Standards/Tasks/Doctrine in conjunction with specific platform OEM standards as a "backbone" for a tailored training solution.

To address our customers' requirements, we

- **Analyze** the unique aspects of the customers mission, infrastructure, and personnel.
- **Design** a baseline program rooted in US Military and OEM standards optimized for schedule efficiencies.
- **Develop** a tailored program combining our customer analysis with baseline standards.
- **Implement** a tailored cost efficient training program with defined mission focused training metrics.
- **Evaluate** the training program constantly through testing and metrics analysis to find any needed improvement.

Each customer's specific situation is unique: unique to their mission, unique to their aviation infrastructure and unique to their personnel.

MAG's ultimate goal is to provide training that is safe, effective and sustainable.

- The training must be conducted to a standard that ensures the safety of both the instructors and instructed to prevent loss of life and equipment.
- The training must be tailored to those tasks that are mission essential to making the customer effective.
- The training provided must be at a level and using materials that can be sustained by the customer after we are gone.





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TRAINING AND EXERCISE

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We Make the Best Better

OUR SERVICES



WE PROVIDE training and exercise support to enable situational awareness.



ISR Services

CAS/JTAC Services



Surrogate Unmanned Aerial Systems



Sensor Operator Training



Airborne Operations Training Support



Civilian and Commercial Applications

Research and Development Support

MAG TRAINING AND EXERCISE DIVISION

Momentum Aerospace Group (MAG Aviation, MAG Logistics, BOSH) training and exercise division provides training in a variety of important fields. The skills that our qualified instructors and operators teach are essential to mission success.

The support we are capable of providing for your team includes instruction, planning, debriefing, technical and tactical training, and operational support. An added benefit is that our team provides all of its own tactical equipment or can easily integrate external customer equipment into our airframes.

With subject matter experts in all related fields, we can either provide the training and

equipment or just provide the best and most qualified personnel to achieve your desired effects.

An added benefit of our services is broad spectrum versatility. We can provide the best in tactical support and also use our advanced technologies and techniques to aid in research and development, environmental assessment, or a wide variety of other non-standard applications.

We provide training and exercise support as a low cost and low risk alternative to enable mission success.





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Logistics, the World in Perspective

OUR SERVICES

MAG LOGISTICS has been involved in all facets of aviation, and understands the business of transporting cargo and passengers on time and safely.



Air Cargo Charters



Passenger Charters



Aircraft Management



Remote Fuel Supply



Emergency Preparedness

CARGO & PASSENGER TRANSPORTATION

MAG Logistics has been involved in some of the world's most famed cargo operations. Our team can provide you with the aircraft most suitable to your needs.

Even in adverse conditions, our expertise allows us to manage risks and carry out our mission successfully.

Our decades of experience has allowed us to build exceptional relationship with passenger and cargo operators of the highest quality, which we validate through our internal safety audit, to provide our customers with an optimal solution that meets your safety and budget requirement no matter where the airport of departure or destination.

We have a diverse fleet of fixed wing and rotary wing aircraft and a knowledgeable team to help aircraft owners put their aircraft to work on wet or dry operations, short term or long.

We also provide remote camp setup, real life support and remote fuel supply sites anywhere in the world so having enough fuel is never a concern. From small scale to nation-wide operations MAG Logistics goal is to keep you operational.

It is important to be ready for anything. MAG Logistics has trained leaders who can help your organization deal with unforeseen emergencies in a proactive manner.





OUR SERVICES

We operate, maintain, manage, and evaluate Command & Control and ISR network systems

SYSTEM SUPPORT

- System and network engineering & admin
- Configuration Management
- Audio visual/video teleconferencing
- Experimentation & innovation management
- Radio and data link technical support
- Information Assurance & Accreditation
- Lifecycle Sustainment
- SCIF network design and accreditation

OPERATIONS SUPPORT

- GCS Maintenance & Operations
- Line of sight / beyond LOS communication
- Long Haul Communication
- Fixed and mobile GCS bed-down
- Host country landing rights & frequency clearance

C4/ISR SYSTEMS AND OPERATIONS

Momentum Aerospace Group (BOSH, MAG Aviation, and MAG Logistics) provides 24/7 command, control, communications, and IT services related to ISR systems worldwide ensuring the operational continuity of multiple UAS platform networks through maintenance and network support. MAG's team of technical experts provides software and hardware upgrades to the systems it constantly monitors, managing systems security requirements and help desk support to military operators. In addition, MAG offers information assurance and systems administration

support, allowing remote UAS systems to operate seamlessly with control center operators. Through MAG's systems administration capabilities, the company enables analysts to apply to complex data sets gathered from deployed UAS to ensure that its technical teams are ready to react to any mission requirements or unforeseen challenges. Utilizing MAG's work managing UAS IT systems, we are able to seamlessly support CONUS-based and forward-deployed operational units worldwide.





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SYSTEMS ENGINEERING AND GIS

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OUR SERVICES

We provide video, network, geospatial, and software engineering solutions, simulation, and assessment for manned and UAS ISR Systems

Systems Engineering and Integration

- Technology Insertion
- Interoperability Design and Testing
- Video & communications systems design build
- Deployed spectral data collection support
- Implementation of SIGINT, MASINT, & SAR technologies

Geographic Information Systems

- Application Development and Support
- Geodatabase and SDI design, construction, and delivery
- Data Analysis (geo-processing and geo-portal services)
- Data Production (multiple format)
- FMV/GIS integration

Research & Technology

- FMV and metadata analysis, interoperability, transmission, and optimization
- Video/Image quality improvement
- COP technologies and visualizations
- Data analytics/big data design & implementation
- Standards Compliance

SYSTEMS ENGINEERING AND GIS

Momentum Aerospace Group (BOSH, MAG Aviation, MAG Logistics) systems engineers provide highly classified work for in-theater warfighters. MAG engineers provide extensive design and technology testing that assists forward-deployed special operations and intelligence teams, developing plans for mission integration and utilization. MAG's on-site engineering support teams assist in AOC weapons modernization, data analysis and dissemination on common ground system (CGS). Specializing in video distribution applications, MAG provides state of the art operations center video distribution

hubs as well as improved high definition IS video distribution from sensor to user. MAG's design solutions provide technical advancements of data visualization that improves quality, collaboration and situational awareness while reducing latency, bandwidth, and the cost of sending this visual data around the world. The solutions further ensure lower cost-of-ownership by leveraging commercial, government-owned, and open-source advances in the delivery and display of two-dimensional and three-dimensional data from real-time and recorded





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Out of the Box Awareness

OUR SERVICES

INDOOR/OUTDOOR LOCATION TRACKING

Wireless quarter sized tags allow location tracking 15-20 times/second with 6" accuracy.

BIODATA TRACKING

Monitor heartrate, breathing, and other bio-data wirelessly in real-time.

TRAINING STATISTICS & ANALYSIS

Collect performance data for review and analysis and to generate never before available statistics.

TRAINING VISUALIZATIONS

Overlay performance statistics directly onto video in real-time.

TEAMWORKS

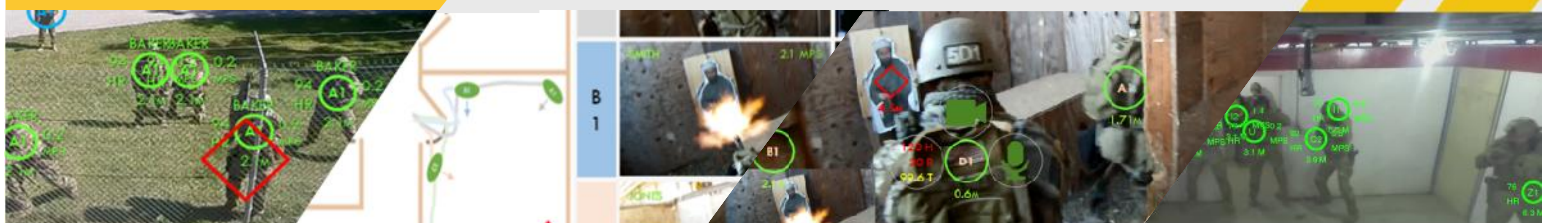
REAL-TIME PERFORMANCE INTELLIGENCE

TEAMWorks is a commercially developed system that uses non-intrusive wireless sensors to gather real time information about individual and team performance, including:

- High-precision, real-time location-tracking of live participants.
- High-precision, real-time location-tracking of weapon position and orientation.
- Data indicating when weapons are fired, number of rounds fired, rounds on target, and missed rounds.

- Heart rate, breathing rate, gaze, and other emerging technologies such as electroencephalogram recording.
- Audio communications.
- Distance traveled, average speed, top speed, and other never before available performance statistics

Combined with static, mobile, or wearable streaming video these sensors allow TEAMWorks to provide unparalleled awareness training and operational performance.





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Making the world smaller and safer.

OUR SERVICES



MANNED AERIAL SENSING

Turnkey aerial sensing services using a variety of platforms and sensors.



UNMANNED AERIAL SENSING

Proven Unmanned Aerial Sensing (UAS) operations with experienced personnel.



TRAINING & EXERCISE SUPPORT

Cost-effective and realistic aerial support to agency training.



HELICOPTER OPERATIONS

Experienced helicopter operations using a wide variety of helicopters around the world.

REGIONAL CONTRACT AVIATION FOR LAW ENFORCEMENT

MAG's experienced team has proven performance in using technology to deliver situational awareness to solve the nation's and world's toughest challenges.

MAG brings together operational excellence, technical expertise, and flawless execution led by former military and law enforcement professionals.

With over 150 employees serving the needs of federal, global, and commercial customers around the world, MAG is committed to:

- Relentless dedication to service while complying with agency rules and regulations and privacy laws.
- Mastering leading technology.
- Self-execution in any location.

