



BLACK MOUNTAIN SYSTEMS

COMPANY OVERVIEW

Pioneering Modern Defense and Aerospace

WHO WE ARE

Black Mountain Systems {BMS} is a global provider of advanced defense, security, and operational technology solutions. Founded in 2022, the company has rapidly established itself as a front line leader in modern defense and aerospace, delivering mission-ready platforms and integrated security systems that enhance operational capability, situational awareness, and force protection in complex environments.

We serve government agencies, military forces, border authorities, and critical infrastructure operators across six continents, delivering precision, reliability, and superiority where it matters most.

FOUNDED

2022

SECTORS

**DEFENSE / AEROSPACE
SECURITY**

PRESENCE

5 CONTINENTS

FOCUS

**MISSION-CRITICAL
SYSTEMS**

GLOBAL REACH

BMS Defense operates across the world's most demanding security environments, providing comprehensive support to defense clients worldwide.

NORTH AMERICA

Strategic defense partnerships
and advanced technology
integration

EUROPE

NATO-aligned security platforms
and interoperability solutions

MIDDLE EAST

Armored mobility, border security,
and rapid deployment systems

CENTRAL ASIA

Operational infrastructure and
force protection capabilities

AFRICA

Peacekeeping support, surveillance,
and maritime patrol operations

LATIN AMERICA

Law enforcement, counter-narcotics,
and border protection

CORE CAPABILITIES

Six integrated capability domains engineered for full-spectrum defense operations.

01

ARMORED DEFENSE PLATFORMS

Combat vehicles, APCs, and tactical mobility for military and law enforcement

02

MARITIME SECURITY

Ballistic-protected patrol boats for coastal and naval operations

03

AVIATION & RAPID DEPLOYMENT

Rotary-wing platforms for medevac, logistics, and special operations

04

AUTONOMOUS SECURITY & ROBOTICS

AI-enabled UGVs with LiDAR, radar, and autonomous patrol

05

BORDER SECURITY & SURVEILLANCE

Solar-powered trailers, thermal imaging, and smart towers

06

OPERATIONAL INFRASTRUCTURE

Deployable housing, field camps, and mission support facilities

ARMORED DEFENSE PLATFORMS

BMS designs and delivers advanced armored vehicles and tactical mobility platforms engineered for the highest levels of survivability, maneuverability, and mission adaptability, purpose-built for military operations, law enforcement, and high-risk environments.

- Advanced Armored Personnel Carriers
- Mine-Resistant Ambush Protected configs
- Urban and asymmetric warfare mobility
- Civilian protection and disaster response
- Modular weapon station integration
- Multi-terrain operational capability

360°

BALLISTIC PROTECTION

IED

BLAST RESISTANCE

MULTI

TERRAIN CAPABILITY

MARITIME SECURITY SOLUTIONS

Ballistic-protected armored patrol boats designed for high-speed deployment in hostile maritime environments, delivering enhanced crew protection, operational endurance, and modular mission configurations.

HULL PROTECTION

Ballistic-rated hull with advanced composite armor

COASTAL DEFENSE

Persistent maritime domain awareness

HIGH-SPEED PATROL

Optimized hull for rapid interception and sustained ops

DISASTER RESPONSE

Rapid evacuation in hostile conditions

BOARDING OPS

Integrated boarding platforms and modular bays

CREW SYSTEMS

Ergonomic command with C4ISR connectivity

AVIATION & AUTONOMOUS SYSTEMS

ROTARY-WING AVIATION

Mission-critical rotary-wing platforms for rapid response, aerial surveillance, medical evacuation, logistics, and special operations mobility.

- Rapid deployment and special operations
- Aerial ISR and surveillance missions
- MEDEVAC and casualty evacuation
- Heavy-lift logistics transport

AUTONOMOUS SECURITY & ROBOTICS

AI-powered unmanned ground vehicles for persistent patrol and monitoring, advanced sensor arrays for autonomous threat detection.

- LiDAR, radar, and multi-spectral cameras
- Edge AI real-time threat classification
- Autonomous navigation and route planning
- 24/7 perimeter and facility security

MILITARY ROBOTICS

Advanced robotic solutions for surveillance, logistics, and operational missions, supporting defense forces across challenging environments.

BORDER SECURITY & SMART SURVEILLANCE

Rapid-deployment border security infrastructure delivering continuous situational awareness and persistent surveillance for national border protection.

SOLAR SECURITY TRAILER

All-in-one rapid-deployment mobile surveillance

- HD 360° PTZ camera, day/night vision
- 4G/5G wireless connectivity
- Solar + battery: 3-4 days autonomous
- AI face and object recognition
- Motion, smoke, and intrusion detection
- Thermal camera: detection up to 20 km
- Secure mobile app for real-time alerts

SMART MONITORING TOWERS

Persistent wide-area surveillance infrastructure

- Thermal imaging and HD cameras
- Remote command integration
- Solar-powered autonomous operation
- Long-range detection capability
- Rapid deployment for forward positions
- Integrated alert and notification
- Continuous 24/7 perimeter monitoring

OPERATIONAL INFRASTRUCTURE

Integrated rapid deployment systems for military operations, disaster response, and remote environments where speed and reliability are critical.

DEPLOYABLE HOUSING

- Modular living units
- Climate-controlled systems
- Rapid field assembly
- Platoon-to-brigade scale

FIELD CAMPS

- Complete base camp builds
- Power generation systems
- Water purification + HVAC
- Force protection perimeters

MISSION SUPPORT

- Command and control HQ
- Medical treatment stations
- Maintenance + logistics
- Comms infrastructure

TECHNOLOGY ADVANTAGE

Cutting-edge technologies across every platform, advanced engineering combined with intelligent systems for decisive operational advantage.

ARTIFICIAL INTELLIGENCE

Edge AI for real-time threat detection, object classification, and autonomous decision-making

SENSOR FUSION

Multi-spectral integration, LiDAR, radar, thermal, and electro-optical for situational awareness

C4ISR INTEGRATION

Command, Control, Comms, Computers, ISR connectivity across all platforms

MODULAR ARCHITECTURE

Scalable, mission-configurable designs for rapid adaptation to evolving requirements

MISSION

“Delivering innovative defense technologies that enhance security, operational readiness, and strategic capability for partners around the world.”

PRECISION

Engineered accuracy in every system, every solution, every mission

RELIABILITY

Battle-tested platforms that perform when failure is not an option

SUPERIORITY

Decisive technological advantage across land, sea, and air

INNOVATION

Next-generation defense systems for evolving global threats



**DRIVING INNOVATION IN
SECURITY AND DEFENSE**

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