

**BELL AH-1Z VIPER**

**BELL UH-1Y VENOM**





# POWERFUL. PRECISE. PURPOSE BUILT FOR YOUR MISSION.

- Available, affordable, and capable solution for the modern battlefield
- Highest fidelity targeting accuracy on the market
- Bolstering U.S. Marine Corps combat power since 2009
- Greatest standoff range for enemy engagement
- Unmatched commonality among any other attack and utility aircraft
- Proven effectiveness and efficiency in an array of missions
- Advanced warfare technology increases your lethality

# THINKING ONE STEP AHEAD OF THE COMPETITION

Because state-of-the-art is our standard – not an add-on kit.

## BUILT FOR COMBAT OPERATIONS

Our team is always creating better features to bolster your fleet and match future threats. The AH-1Z Viper and UH-1Y Venom are purpose-built, combat proven aircraft that provide the most advanced capabilities available today. Both platforms feature fully integrated weapons systems and avionics giving you an unfair advantage in survivability and mission success.

UTILITY	LOWEST LIFE CYCLE COST	MILITARY ORIGIN	US MILITARY QUALIFICATION	MARINIZED AT POINT OF MANUFACTURE	COMMONALITY WITH ATTACK / UTILITY HELO	INTEGRATED FLIR SIGHT SYSTEM	INTEGRATED WEAPONS MGMT SYSTEM	INTEGRATED HELMET MOUNTED HUD	PRECISION GUIDED WEAPONS	WEAPONS PYLONS	EXTERNAL FUEL TANKS
UH-1Y	✓	✓	✓	✓	85% AH-1Z	✓	✓	✓	✓	✓	✓
UH-60M	NO	✓	✓	NO	NO	KIT	KIT	KIT	KIT	KIT	✓
S-70i *	NO	NO	✓	NO	NO	KIT	KIT	KIT	KIT	KIT	✓
AW-139M *	NO	NO	NO	NO	NO	KIT	KIT	NO	KIT	KIT	NO

  

ATTACK	LOWEST LIFE CYCLE COST	MILITARY ORIGIN	US MILITARY QUALIFICATION	MARINIZED AT POINT OF MANUFACTURE	COMMONALITY WITH ATTACK / UTILITY HELO	INTEGRATED FLIR SIGHT SYSTEM	INTEGRATED WEAPONS MGMT SYSTEM	INTEGRATED HELMET MOUNTED HUD	PRECISION GUIDED WEAPONS	INTEGRATED AIR-TO-AIR MISSILE	EXTERNAL FUEL TANKS AND WING STORES SIMULTANEOUSLY
AH-1Z	✓	✓	✓	✓	85% UH-1Y	TSS, 3 <sup>rd</sup> gen, mid-wave	✓	✓	✓	✓	✓
AH-64E	NO	✓	✓	NO	NO	M-TADS, 2 <sup>nd</sup> gen long-wave	✓	✓	✓	✓	✓
Super Puma * (H-215)	NO	NO	NO	NO	NO	KIT	KIT	NO	NO	NO	NO

\* Aircraft not supported by U.S. military



# BUILT TO ENDURE

Designed for the U.S. Marine Corps to withstand the harshest maritime environments and battlefields. The Bell UH-1Y and AH-1Z combine speed, durability and precise targeting to protect your pilots and warfighters in all climates and operating conditions.



- Corrosion resistant materials
- No dissimilar metals in contact
- No enclosed pockets that collect/retain water – drainage paths in compartments
- Semi-automatic blade fold
- Rotor brakes and tie down hooks
- Enhanced EMI protection
- Epoxy primer on all exposed surfaces
- Epoxy primer used during “wet” assembly and install fasteners

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## ACTIVE PRODUCTION LINE WITH CAPACITY FOR FOREIGN CUSTOMERS

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# COMMONALITY REDUCES COST

The H-1 program redefines efficient military aircraft by providing not just a dependable solution, but an affordable one. With durability inherent in its design and an unmatched 85% commonality, the Bell UH-1Y and AH-1Z offer the lowest overall program and life cycle costs, decreasing your logistics footprint.

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## KEY BENEFITS OF H-1 COMMONALITY

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- Reduced overall program and life cycle cost
- Single OEM supporting both platforms
- 85% Commonality on major parts and components
- Reduced logistics footprint (spares, support equipment, etc.)
- Common training curriculums for pilots and maintainers
- Ease of Configuration Management
- Can be used to perform common missions in addition to mission specific tasks



# EVOLUTION OF THE MULTI-ROLE HELICOPTER

## BELL UH-1

1961



Combat-proven with over 9 million combat hours. Increased reliability and troop carrying capability. First gunship configurations.

## BELL UH-1N

1970



First helicopter with multi-role, multi-mission capability. Increased power with twin engines and composite blades. Special operations equipped for maritime capabilities. In service in more than 28 countries.

## BELL AH-1 COBRA

1966



First dedicated gunship. Backbone of the U.S. Army. First anti-tank capability with the TOW system.

## BELL AH-1W

1984



First modern attack helicopter with true precision attack capability. First Air-to-Air capability with AIM-9 missiles. Backbone of the U.S. Marine Corps attack helicopter fleet.

## MULTI-ROLE, MULTI-MISSION CAPABILITY

### BORDER SECURITY



### CASUALTY EVACUATION



### ANTI-ARMOR



## BELL UH-1Y

**2009 – Future (Initial Operational Capability)**



Combat-proven utility helicopter supporting U.S. Marine Corps global missions over the next 40 years. Integrated avionics and glass cockpit. Fully marinated against harsh desert and maritime environments. 85 percent of parts common with the AH-1Z.

## BELL AH-1Z

**2009 – Future (Initial Operational Capability)**



Combat-proven attack helicopter supporting U.S. Marine Corps global missions for the next 40 years. Integrated avionics and precision weapons. Ballistic tolerance, self defense and multi-mission capabilities. 85 percent of parts common with the UH-1Y.

### CLOSE AIR SUPPORT



### SEARCH AND RESCUE



### ARMED AERIAL ESCORT





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