

# Armored Knight

## INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance



## MISSION

To assist heavy and infantry Brigade Combat Teams to perform 24-hour terrain surveillance, target acquisition, target location, and fire support for combat observation lasing team missions.

## DESCRIPTION

The M1200 Armored Knight provides precision strike capability by locating and designating targets for both ground- and air-delivered laser-guided ordnance and conventional munitions. It replaces the M707 Knight High Mobility Multipurpose Wheeled Vehicle (HMMWV) base and M981 fire support team vehicles used by combat observation lasing teams (COLTs) in both the heavy and infantry Brigade Combat Teams. It operates as an integral part of the brigade reconnaissance element, providing COLT and fire support mission planning and execution.

The M1200 Armored Knight is a M117 Armored Security Vehicle (ASV) chassis/hull with Add-on Armor fragmentation kits installed. This

provides enhanced survivability and maneuverability over the unarmored M707 HMMWV based Armored Knight. The system includes a full 360-degree armored cupola and integrated Knight mission equipment package that is common with the M7 Bradley Fire Support Team (BFIST) vehicle/M707 Knight and the Stryker Fire Support Vehicle.

The mission equipment package includes: Fire Support Sensor System (FS3) mounted sensor, Targeting Station Control Panel, Mission Processor Unit, Inertial Navigation Unit, Defense Advanced Global Positioning System Receiver (DAGR), Power Distribution Unit, Rugged Hand-Held Computer Unit (RHC) Forward Observer Software (FOS).

Other Armored Knight specifications:  
**Crew:** Three COLT members  
**Combat loaded weight:** Approximately 15 tons  
**Maximum speed:** 63 miles per hour  
**Cruising range:** 440 miles  
**Target location accuracy:** <20 meters circular error probable

## SYSTEM INTERDEPENDENCIES

ASV Chassis, Lightweight Laser Designator Rangefinder (LLDR), FS3, FOS, Force XXI Battle Command-Brigade and Below (FBCB2), Advanced Field Artillery Tactical Data System (AFATAD3), Single Channel Ground to Air Radio Station (SINGARS)

## PROGRAM STATUS

- **1QFY10:** 294 Vehicle Systems produced. 278 Vehicle Systems to various deploying Heavy Brigade Combat Teams (HBCTs) and Infantry Brigade Combat Teams (IBCTs)

## PROJECTED ACTIVITIES

- **2QFY10–FY12:** Procure additional 188 Vehicle Systems. 438 total systems fielded to next deployers, HBCT/IBCT in Active Component (AC) and Army National Guard (ARNG)
- **FY12:** Design/Integrate/Validate Targeting under Armor–On the Move/Remote Weapon Station (TUA-OTM/RWS) capability for M1200 Armored Knight

## ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

## Armored Knight

### FOREIGN MILITARY SALES

None

### CONTRACTORS

**Precision targeting systems  
production/vehicle integration:**  
DRS Sustainment Systems, Inc. (DRS-  
SSI) (St. Louis, MO; West Plains, MO)

**Common display unit:**  
DRS Tactical Systems (Melbourne, FL)

**Slip ring:**  
Airflyte Electronics Co. (Bayonne, NJ)

**Targeting station control panel:**  
Oppenheimer (Horsham, PA)

**M1117 ASV Hull:**  
Textron Marine & Land Systems  
(New Orleans, LA)

**FS3 Sensor:**  
Raytheon (McKinney, TX)

**Inertial Navigation Unit:**  
Honeywell (Clearwater, FL)

