

Boeing Defense, Space & Security  
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Vehicle image used courtesy of Oshkosh Defense

## Avenger Derivatives: Adaptive Force Protection Solutions

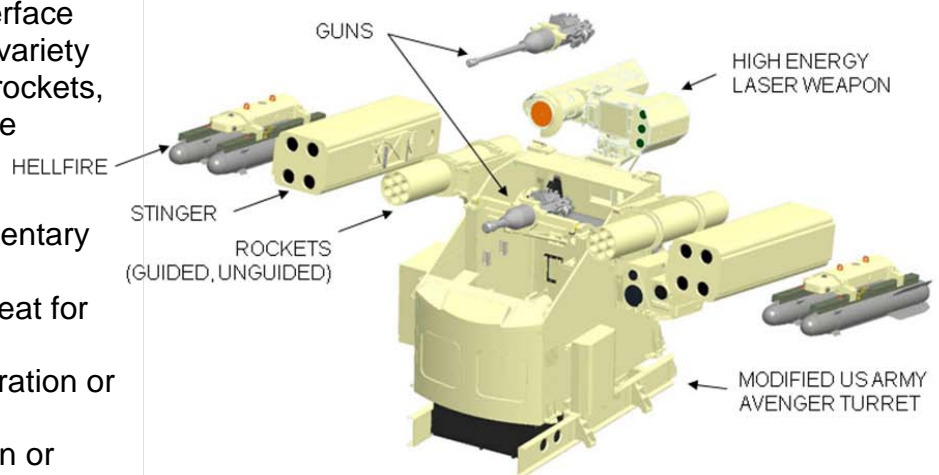
**Description and Purpose:** For more than 20 years, Avenger has been the U.S. Army's premier line-of-sight, mobile, shoot-on-the-move, short-range air defense system. In response to warfighter requirements, Boeing has expanded Avenger capabilities by developing derivatives that provide adaptive force protection solutions. Boeing has developed an open architecture based on a universal weapons interface concept that enables integration of a variety of weapons (missiles, rockets, guns, future weapons) providing multi-mission capability on a single platform. This concept allows for rapid conversion, a robust weapons mix that compliments other weapon systems, and provides the flexibility to match the weapon with the threat.

### Customer(s):

More than 1,100 Avengers have been produced and delivered to U.S. Army, Army National Guard and foreign customers.

### General Characteristics:

- Remote operation
- Open architecture based on universal weapons interface
- Enables integration of variety of weapons (missiles, rockets, guns, current and future weapons)
- Rapid reconfiguration
- Robust mix of complimentary weapons/sensors
- Match weapon with threat for effective cost per kill
- Component-level integration or fully integrated turret
- Fixed location operation or mount to a variety of vehicles





### **Advanced Air Defense Configuration mounted on Medium Tactical Vehicle**

#### **Background:**

2009 – High energy laser weapon used to neutralize small unmanned air vehicles. Also neutralized unexploded ordnance at standoff distance

2009 – Integrated and test fired lightweight 25mm machine gun

2008 – High energy laser weapon used to neutralize small unmanned air vehicles

2007 - High energy laser weapon used to neutralize unexploded ordnance at standoff distance

2007 – Integrated and test fired .50 cal Bushmaster machine gun

2004 – Test fired Javelin from modified Avenger turret

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