Raytheon
Directed Energy Applications

When it absolutely has to get there at the “Speed of Light”

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Infrared Countermeasures provide critical asset self-protection

Raytheon Vigilant Eagle protects all aircraft at the airfield

Laser-Based IR Countermeasures Use the Speed of Light

Affordable, Reliable, Light Weight Aircraft Self-Protection Against Surface & Air Launched Missiles

1. Missile launch is detected and a turret is directed onto, and tracks, the missile

2. A low power laser sends a modulated beam of infrared energy to the missile and jams the seeker, causing it to miss
How do you protect the helicopters?

Warfighter Benefits

• Small size, low weight, low drag ideally suited for constrained rotary wing a/c

• Proven manufacturing ability and attractive high rate production potential

• High reliability consistent with a system leveraging mature hardware / software
Technology Push: Non-Lethal Technology

Force Projection

Force Protection

Facility Protection

Raytheon . . .
Filling the Void for our Customers

Shout

Shoot
• BACKUP
• **Vigilant Eagle**
  – Affordable capability to counter MANPADS terrorist threat
• HPM effect tested and proven effective in live fire against terrorist threats
  – Missile detect and track capability proven in live fire
  – C2 System Proven