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Apache fire control products support soldiers in combat

[By **Phil Shaw**, Chief Executive, Lockheed Martin India Pvt. Ltd.]

Lockheed Martin's Apache fire control products include electro-optical sensors, radar and data link technologies for the AH-64D/E Apache helicopter. Our products provide aircrews with enhanced situational awareness and greater performance and survivability.

The Modernized Target Acquisition Designation Sight/Pilot Night Vision Sensor (M-TADS/PNVS) provides Apache pilots with the most advanced, long-range, electro-optical precision engagement and pilotage capabilities to ensure mission success and flight safety while conducting day, night and adverse weather missions. Fielded since 2005, it employs state-of-the-art forward-looking infrared (FLIR) sensors to provide Apache pilots with enhanced image resolution giving them the complementary benefits of significant standoff range and unrivaled targeting capabilities. More than 1,300 systems and spares have been delivered to US Army and 14 international customers.

The LONGBOW Fire Control Radar (FCR) was developed by the LONGBOW Limited Liability Company, a joint venture of Lockheed Martin and Northrop Grumman. For more than a decade, the combat-proven LONGBOW FCR has provided Apache aircrews with target detection, location, classification and prioritisation, as well as automatic and rapid multi-target engagement. The LONGBOW FCR integrates with the LONGBOW HELLFIRE missile, enhancing the Apache's lethality fourfold and increasing survivability sevenfold. LONGBOW LLC is also under contract to produce Radar Electronic Units (REUs) for the US Army's new fleet of AH-64E Apaches. The LONGBOW AH-64E FCR REU provides reduced size, weight, maintenance and power requirements of the radar system. **SP**

Editor's Note: The comments from the Chief Executive of Lockheed Martin India come at the time when a contract of \$3.1 billion has been signed with Boeing for a supply of 22 Apaches for IAF (in addition to the supply of 15 Chinooks).



The combination of multiple sensors on the Apache helicopter makes it a versatile, highly survivable, all-weather, day/night anti-armor platform. Lockheed Martin's sensors provide an integrated system that identifies targets with pinpoint accuracy and protects pilots at safe ranges.