



LOCKHEED MARTIN 
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DHISK

DAGR[™]/HELLFIRE[®] Integrated Strike Kit





Targeting System



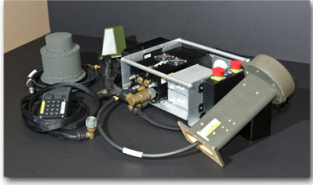
EO/IR System

DHISK

The DAGR/HELLFIRE Integrated Strike Kit (DHISK) is a mission system that provides precision strike capabilities to a variety of platforms, including both traditional and non-traditional, light-utility, fixed- and rotary-wing aircraft. DHISK has minimal aircraft intrusion in a federated design and can be installed in a roll-on, roll-off design that allows the platform to revert to a mobility asset in a few hours.

DHISK provides a range of intelligence surveillance reconnaissance (ISR) and armed ISR capabilities, which are essential elements of national security, and supports operations such as counter-insurgency, anti-terrorism, border/maritime patrol and counter drug activity. The ISR package provides interface to other air, ground or maritime forces, allowing sharing of data and imagery.

DHISK is platform neutral and requires power and mounting space for the sensor, weapons controller, display, launchers and weapons. DHISK allows for self-lasing or buddy-lasing of the target for armed missions. With this capability, fixed-wing aircraft can perform surveillance and provide precise coordinates for an attack package of helicopters in a Hunter-Killer role. The helicopter crew can gain situational awareness of the target area, miles in advance of seeing the target imagery with their sensors. The ground parties can see the target images and data with fragmentation rings to reduce the risk of collateral damage. The DHISK capability shortens the kill chain dramatically by ensuring everyone has the same target data/image geo-rectified.



VUIT



Weapon Controller



Weapons Control System



Mission Computer

LPL

The Lightweight Precision Lethality (LPL) weapons controller was built by Lockheed Martin to employ HELLFIRE and DAGR without requiring any aircraft Operational Flight Program (OFP) changes or complex integration to the aircraft. The LPL can control the DAGR or HELLFIRE weapons and their various launchers. This concept allows for flexible mission-specific munition loads utilizing the M299, M310 and other launchers.*

Components

Armed ISR Package (ISR/A)

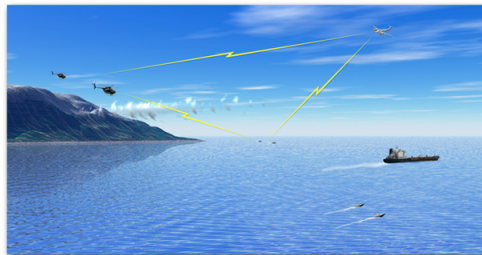
- Weapons Control System
 - Cockpit Display
 - Weapons Control Panel
- Targeting System
- Weapon Controller
- DAGR or HELLFIRE Missile

ISR Package

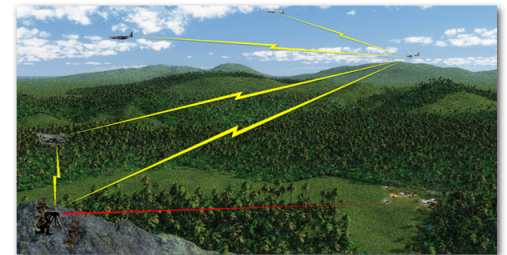
- EO/IR Sensor
- Multifunction Displays
- Mission Computer
- Data R/T Communication

MEP Package

- TSS/SNIPER/LMGS Sensors
- Comm Suite
- Msn Computer
- Direct to Fuselage
- Weapons Controller - optional
- Weapons compliment
 - HF/DAGR - powered



Maritime/Anti-Piracy scenario



Counter-Terror/Narco Traffic scenario

Features (Lockheed Martin provides a range of ISR/armed ISR capabilities):

- DAGR/HELLFIRE launchers and missiles for platforms provisioned for weapons
- DHISK adds a DAGR/HELLFIRE precision strike capability to rotary- and fixed-wing platforms not provisioned for weapons
- ISR capability using Lockheed Martin Gyrocam and video/data systems (VUIT)
- World-class integration capability as seen on Armed Aerial Scout AAS-72X

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*DHISK products & product configurations are in development. Qualification of DAGR & HELLFIRE products & configurations is ongoing.

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The fully integrated DHISK provides prime contractors with one-stop shopping – sensors, weapons controller, mission computer, data links and weapons. Capability ranges from a single laptop control of precision weapons, up to a full-up fire control package. DHISK easily and affordably converts platforms not provisioned for weapons into armed ISR.