BRIMSTONE ON THEMIS

The future battlefield will be characterised by crewed and uncrewed assets operating seamlessly to provide combat mass across the Battlegroup area.

Brimstone offers 'One Missile, Multi-Platform' versatility and is designed to be integrated onto helicopters, fixed wing aircraft (including fast jets), land vehicles, naval platforms and UAVs.

Pairing the combat-proven MBDA Brimstone missile with Milrem Robotics THeMIS Uncrewed Ground Vehicle provides the tactical commander with an organic force-multiplier to remotely/autonomously deliver precision anti-armour effects at range.

Capability

- Integrates within crewed formations at appropriate levels of autonomy
- Concealed payload masks true system capability
- Choice of engagement modes using digital targeting data selected by the remote operator over standard secure military networks
- Line-of-sight or non-line-of-sight engagements
- Salvo launch options to achieve co-ordinated effects on multiple targets during a single mission

Modular launcher

- High load-out to increase combat mass
- High off-boresight agility of Brimstone avoids the complexity of rotating turrets
- Cassette or single reloading options
- Inter-operable between wheeled and tracked platforms

Effector – Brimstone

- **Battle proven – over 98% success rate in defeating static, moving and manoeuvring target sets including MBTs and other armoured vehicles**
- **One common missile for all missions and all platforms**
- **Organic Battlegroup capability**
- **Low collateral damage in restrictive engagement scenarios**
- **All-weather fire and forget capability**
- **Defeats all known Defensive Aid Suites/ Active Protection Systems**
- **Extends effects coverage and points of presence**
- **Repel adversary formations and single point targets**
- **Simple integration into platform architectures**
- **Best in class Insensitive Munitions-compliant for safety**

MBDA

LAND

MBDA contacts
Sales and Business Development
Six Hills Way, Stevenage, Hertfordshire SG1 2DA
United Kingdom
Tel: +44 (0)1438 312422
salesenquiries@mbda-systems.com
www.mbda-systems.com

Seeker

- 94GHz millimetric Wave (mmW) radar
- Semi-Active Laser (SAL)

Flexible modes of engagement

- SAL, SAL/mmW, mmW modes. In dual mode, SAL guidance can handover to mmW guidance for increased accuracy once the missile determines the exact target being designated
- Rapid salvo capability (mmW only mode) for area, column and point kill
- Point attack using mmW guidance for all-weather, low visibility engagements

Effects

- Effective against a wide variety of targets for land (including all known conventional and reactive armour), maritime and air
- Low collateral damage in restrictive engagement scenarios

Navigation and guidance

- Next generation IMU and autopilot for precision at range
- Inertial mid-course navigation and seeker determination for target acquisition
- High bandwidth guidance and agility for fast manoeuvring targets

Propulsion

- Cast double base propellant rocket motor
- Strip steel laminate motor case

Technical characteristics/specifications

Weight:	**50kg**
Length:	**1.8m**
Diameter:	**180mm**
Guidance:	**Millimetric wave radar and Semi-Active Laser**
Warhead:	**Tandem-shaped charge with adaptive fusing**