



## News Release

### **IMI's BRIGHT ARROW APS and LYNX Rocket System highlighted at DSEi**

Ramat Hasharon, Israel, September 4, 2011 - Israel Military Industries Ltd. (IMI) will participate at the Defense & Security Equipment International Exhibition (DSEi), held September 13-16, 2011 at ExCel, London.

At DSEi, IMI is highlighting the **BRIGHT ARROW** Combined Active Protection System (APS) and Remote Controlled Weapon Station, mounted on a Panhard **PVP**, as well as the advanced **LYNX** Autonomous Multi-Purpose Rocket launching System, capable of firing any rocket from 122 mm to 350 mm, as well as various missiles. The rocket system provides immediate available lethal capabilities for attacking time-sensitive and high-value targets, at various ranges, in open and constrained environments. The **LYNX** system will be presented in a multimedia display.

Further capabilities on display include the Helicopter Launched **DELILAH** - Stand-Off Air to Surface Attack Missile; the **RED SKY 2** - Very Short Range Air Defense System; a variety of advanced armor solutions against Multi-Threat IED-EFP and RPGs; the **M339** - a 120 mm High-Explosive Multi- Purpose Tank Cartridge for urban warfare scenarios; the **MPRS**, (Multi-Purpose Rifle System), designed to provide infantry warriors with increased lethality and target engagement capabilities, by using advanced HE air-burst munitions. Other infantry systems designed for the modern battlefield, include the **GMM120** - a 120 mm mortar bomb upgraded with a GPS guidance and control kit and the **SHOCK ABSORBER**, man portable APS, aimed at protecting dismounted troops and stationary targets from enemy guided missiles.

In addition, IMI will present a complete line of high quality Small Caliber Ammunition in use by the IDF, NATO and US armies.

## **BRIGHT ARROW**

**BRIGHT ARROW** will be exhibited at DSEi mounted on a Panhard **PVP** (Petit Véhicule Protégé) Light Armored Vehicle.

The **BRIGHT ARROW** is an APS for light and medium armored vehicles, which comprises a stabilized Remote Controlled Weapon Station with a 'Soft' & 'Hard-Kill' Active Protection System, all integrated onto a single high-performance pedestal. The **BRIGHT ARROW** is based on IMI's **IRON FIST** Active Protection System and WAVE Remote Controlled Weapon Station. In the event of an attack, the system immediately engages the threat, employing 'Soft' or 'Hard-Hill' countermeasures and responds with its stabilized machine gun for immediate, accurate counter fire. In addition to the protection by Soft & Hard-Kill means, the system also contributes to situational awareness and early warning – effectively facilitating rapid detection, engagement and overmatch of threats, by utilizing its sensors suite and remote fire capability.

## **LYNX**

IMI's **LYNX**, Multi-Purpose Rocket Launching System, comprises a fully autonomous launcher designed to fire various artillery rockets and tactical missiles, including IMI's **ACCULAR** - GPS-guided rocket, which has recently completed a very successful series of test firings to 30 km, with target hits within meters of the aiming point. Further rockets and missiles include the **EXTRA**, Extended-Range Rocket, GRAD and **DELILAH-GL** (Ground-Launched) Stand-Off missile. **LYNX** also comprises a modern C4I system and advanced Fire Control System (FCS) and Internal Navigation System (INS). The system is operational and has been successfully deployed in several armies worldwide.

## **DELILAH-HL**

The **DELILAH-HL** is a helicopter launched variant of the combat proven Air-Launched **DELILAH** developed for the Israeli Air Force (IAF). Capable of

loitering up to 22 minutes, **DELILAH-HL** provides the launching helicopter with improved survivability. The missile's agility and autonomous navigation offers the crew an unrestricted launching envelope as well as the ability to adjust the target and weapon profiles after the weapon is launched.

## **RED SKY 2**

The **RED SKY 2** modular Very Short Range Air Defense (VSHORAD) System, is a highly effective solution against most modern helicopters and strike aircraft. The system extends the capabilities of existing MANPADS and provides target detection and identification at the missile's full effective range. The mobile, man-portable air defense system can be deployed in locations previously inaccessible to heavier air defense systems, such as mountainous terrain or urban environment.

## **Advanced Armor Solutions for Multi-Threat IED-EFP & RPG Protection**

As the primary designer and manufacturer of passive and reactive armor solutions for the Israel Defense Forces (IDF), IMI offers a variety of advanced armor solutions against Multi-Threat IED-EFP and RPGs, designed for Armored Fighting Vehicles (AFVs) and Armored Personnel Carriers (APCs):

**BREAKWATER** – an advanced Reactive Protection against small arm ammunition, anti-tank rockets and missiles, as well as heavy EFPs employing advanced copper liners. BREAKWATER is optimized for lightweight AFVs such as MRAP (Mine Resistant Ambush Protected) vehicles. The BREAKWATER armor has been tested against large EFPs manufactured with copper liners, as well as the RPG-7 High Explosive Anti-Tank (HEAT), showing reputable results.

**IRON WALL** – a passive protection against Medium IEDs, such as Explosive Flyer Plate (EFP) and Steel ball charge Focus Fragments (SFF) - two deadly threats that proliferated in recent asymmetric combat engagements. In addition, the passive armor can also protect against small arm projectiles, having a penetration capability of up to 60 mm of RHA steel – making it ideal for standard armored vehicles and M-113 APCs.

## **M339**

The **M339** - 120 mm HE-MP-T (High-Explosive, Multi-Purpose Tracer) cartridge, is effective against a variety of targets, including bunkers, vehicles, fortifications and urban structures, as well as Anti-Tank squads and infantry dismounts in the open. The tank cartridge utilizes a programmable, multifunction fuze with 3 modes of operation: Impact Point Detonation Delayed (PDD), Point Detonation/Super Quick (PD) and Air Burst (AB) – making it an affordable, easy-to-operate solution for fighting in urban scenarios and others.

## **MPRS**

The Multi-Purpose Rifle System (**MPRS**) comprises an optical sight, integrated with a Laser Range Finder (LRF) and combined with advanced 40 mm HE grenades. These High-Explosive grenades are fitted with a multi-mode programmable fuze (Time Delay, Point Detonation or Air-Burst), enabling the warrior to engage targets located inside buildings, windows or behind defilades. In addition to these is a Self-Destruct mode, aimed at eliminating possible collateral damage caused by duds. **MPRS** can be used on a variety of assault weapons carrying a 40 mm grenade launcher, including the M16/M4; AK47 Kalashnikov, the Tavor TAR-21 and others.

## **GMM120**

IMI's **GMM120** is a 120 mm combined GPS and SAL (Semi Active Laser) Guided Mortar Bomb, effective against targets such as infantry troops and Light Armored Vehicles (LAVs). The built-in guidance control enables significantly improving infantry soldiers' ability to effectively engage targets located beyond the line of sight.

## **SHOCK ABSORBER**

The **SHOCK ABSORBER** Active Protection System is designed for protecting infantry detachments and stationary posts, operating in hostile areas, where they are exposed to guided missile threats. The man-portable active protection kit utilizes an electro-optical threat detection elements, situational awareness

capabilities and electro-optical infrared directional jammer. The **SHOCK ABSORBER** is based on the proven technologies and subsystems of the **IRON FIST** APS.

### **Small Caliber Ammunition**

IMI is considered a world leader in small caliber ammunition and the exclusive supplier of small caliber ammunition to the Israel Defense Forces (IDF). IMI's small caliber ammunition includes a complete range of ammunition, from 5.56 mm to 0.5" (12.7 mm), including various Armor Piercing, sniper and training rounds. IMI's 5.56 mm BALL and 9 mm BALL rounds are NATO qualified.

For more information, visit us at the IMI stand (#263), located at the Israeli National Pavilion # S9.