

IMI Receives Extensive Press Coverage at Singapore Airshow 2014

Ramat Hasharon, Israel, February 24, 2014 – Israel Military Industries Ltd. (IMI) booth at Singapore Airshow drew the attention of many professional visitors, government officials and media representatives.

The media coverage included:

Israel Defense (9/2/2014): IMI at Singapore: IMI will showcase a number of its latest developments, with the goal to expand its activities in Asia. Last year, a total of \$500 million contracts were signed between IMI and various Asian customers:

IMI's advanced 120mm tank ammunition and GMM120 – 120mm GPS-guided mortar bomb were on display. The M339 HE-MP-T cartridge is in use by the IDF's armored corps positioned near the Gaza Strip in southern Israel. The advanced tank cartridge incorporates a delay mechanism - penetrating a wall and then exploding inside the room. Its high level of accuracy and lethality enable effective counter-insurgency of enemy targets while significantly reducing the risk of collateral damage. GMM120 – a highly-accurate mortar bomb provides infantry troops with first-fire-for effect, reducing the number of bombs needed to destroy a target and minimizing the logistics tail.

Israel Defense, Amir Rapaport (11/2/2014):



IMI had a large presence in the exhibition and a large exhibition booth. The Israeli pavilion has gained a tremendous interest in the first hours, and was visited a few dozens of times by top international security officials.

Defense Update, Tamir Eshel (12/2/2014): IMI Expands MPR Multi-Purpose Bomb Line:

IMI is expanding its family of Multi-Purpose Rigid Bombs (MPR) providing a warhead optimized for modern aerial weapons' guidance kits. The first of the line, which is already operational, is the MPR 500 – fully compatible with the standard MK82 general-purpose bomb. Its improved design and more predictable target penetration significantly improve mission success when using laser, EO or GPS guidance kits.



IMI's Multi-Purpose Reduced (MPR) bombs are designed to focus the weapon's lethality over a relatively small radius, thus limiting collateral damage or risk to nearby friendly forces, enabling more effective and accurate combat air support. Photo: IMI

When these kits are employed with General Purpose (GP) bombs, the warhead, being the least costly element in the system, is often the cause mission failure – either the weapon jitters off the surface, totally missing the target or causing collateral damage. MPR was designed to match the attack profile of guided weapons, enabling four times the penetration, compared to GP bombs of a similar weight class. As a blast fragmentation warhead, the MPR packs 26,000 fragments, sending a dense curtain affecting an area of 2,200 square meters around the impact point for maximum lethality.

Nevertheless, this lethality effect is focused to a small area, limiting collateral damage to 60-100 meters. In fact, the effect of the current MPR 500 is comparable to that of Mk84 general-purpose bomb, whose use in urban setting is limited, due to the large collateral damage radius of the Mk84, which covers hundreds of meters, limiting its use in support close to friendly forces.



With improved, more durable design the MPR can penetrate four walls or floors without losing direction, as a general purpose warhead will do. The MPR2000 will also be able to penetrate at least two meters of concrete. Photo: IMI

Based on the positive results gained by the MPR500, IMI is expanding these weapons to more weapon types. The company has already conducted testing of MPR1000 (compatible with Mk83 1000 pound warhead) and is proceeding with testing of MPR2000 (compatible with Mk84 / 2000 pound warhead). The MPR 2000 will be able to penetrate at least two meters of concrete, enabling cost-effective, multi-purpose use against a wide target range.

Development is also in progress with the lightweight MPR250, which will offer an SDB alternative at a fraction of the cost of this guided weapon, which comprises an integrated warhead rather than strap-on guidance kit.

To further improve the weapon's adaptability for modern air forces and naval air arms, IMI is negotiating with a foreign company to deliver the MPR family with Insensitive Munitions (IM) explosive charges. IM has become a prerequisite for ammunition storage, particularly on board naval vessels.

IHS Jane's Navy International, Ridzwan Rahmat (13/2/2014): IMI introduces new maritime C4I system:

Defence systems provider Israel Military Industries (IMI) unveiled a new command, control, communications, computers and intelligence (C4I) system for maritime defence at the Singapore Airshow 2014.

The package, known as the Coastal & Island Defence Systems (CIDS), comprises of coastal defence radars backed with a suite of sensors, including those deployed on board airborne maritime surveillance platforms.

Further components of the CIDS include the LYNX self-propelled missile launcher and a selection of newly developed remote-controlled fixed launchers that fire various makes of GPS-guided ordnance manufactured by the company. These elements can then be put together in a grid to protect an area of coverage requested by the operator.

IHS Jane's Defence, Ridzwan Rahmat (13/2/2014): Israel Military Industries unveils new gliding bomb for CAS aircraft:

Israeli Military Industries (IMI) unveiled a new class of small gliding bombs designed for close air support (CAS) aircraft at the Singapore Airshow 2014. Known as the FASTLIGHT, IMI claims the ordnance promises precision-strike capabilities against stationary targets in all weather conditions.

FASTLIGHT gliding bombs have been designed for ejection from smaller aircraft and come in the 100 lb and 300 lb variants. The ordnance can be guided by either GPS or semi-active laser (SAL) and integrated with different types of warhead depending on mission requirements.