Elbit Systems’ reputation as a leader in solutions for land forces is based on more than four decades of experience. Elbit produces one of the most diverse and comprehensive ranges of land-based sensors and systems in the industry. The total solution concept covers the entire spectrum of combat vehicles, from complete modernization and training to maintenance depots and life-cycle support services.

**Combat Vehicle Modernization**

Building on advanced in-house capabilities and core technologies, Elbit Systems is a one-stop source for net-centric compatible solutions, including target acquisition, battle management, laser warning, weapon stations, surveillance, fire control (FC), turret drive, and a full range of countermeasures. Elbit also offers life support systems (LSS), chemical, biological, radiological and nuclear (CBRN) protection, automotive improvements and robotics. The supply of the advanced land systems is both as turnkey solutions and on a stand-alone basis to other defense contractors. The comprehensive solutions cater to all types of combatant forces and can be integrated into existing platforms. In order to adapt and develop control systems and electronics for combat vehicles, the company have integrated technologies based on its experience in advanced avionics and electro-optics. Elbit also provides complete communications upgrades to armored fighting vehicles (AFV). The innovative solutions include the following product suites:

**UT30MK2:** The UT30MK2 is a configurable unmanned turret, adding effective firepower to armored personnel carriers (APC) without compromising troop safety. Built on the success of a fully combat-proven turret in use by numerous armed forces around the world, the UT30MK2 is the latest generation armament system developed by Elbit Systems. The modular design enables unmanned and manned turret configuration with easy conversion. Designed with a very low profile, the UT30MK2 encompasses a broad range of weapon systems, countermeasures and advanced electro-optics all developed in-house to deliver reliable, high performance firepower on the battlefield.

**Remote-Control Weapon Stations Family:** The Remote-Control Weapon Stations (RCWS) family is designed for dynamic or static operation, and for use on stationary posts, ground or naval platforms. The high precision, lightweight, low-profile RCWS can be mounted on any AFV, main battle tank (MBT) and support platform without roof penetration. The RCWS is operable from within the vehicle by the gunner using handles and a multi-functional display (MFD). With this configuration, the dual-axis and fully stabilized (optional) RCWS delivers high speed engagement, single phase aiming, and an exceptionally high hit probability without operator risk exposure. Based on in-house electro-optics, the weapon system offers superior performance in open areas, as well as urban or mountain warfare scenarios, including anti-aircraft engagements.

The RCWS family can be adapted to a wide variety of weapon types of both Western and Eastern origins, including 7.62mm, 12.7mm caliber weapons and 30 or 40mm Automatic Grenade Launchers.

**Artillery:** Fully-integrated, modular artillery solutions – delivering effective, highly-accurate fire support

Elbit Systems offers a comprehensive array of fully-integrated, modular artillery solutions that incorporate smart technology, automatic laying and loading capacity, FCS and modular weapon products. Outfitted with enhanced...
ballistic computers, along with navigation and target acquisition equipment including battery and battalion command posts, the artillery solutions are easily integrated into customers’ C4I systems. These combat-proven solutions have seen extensive use by the U.S. Army, NATO, the Israel Defense Forces and other leading ground forces.

Extensive integration expertise combined with in-house development enables Elbit Systems' hardware components, communications systems and applications to adapt to a wide range of platforms. All products can be tailored to customer specifications.

Customers with existing infrastructure can benefit from our platform upgrades which enhance the performance and capabilities of existing artillery systems in order to meet modern battlefield requirements. Elbit supports multiple firing platforms – including guns that are towed, tracked, truck-mounted, self-propelled or independently propelled by an auxiliary power unit (APU) for self-maneuvering.

**Soltam Cardom** is a 155mm/52 caliber truck-mounted howitzer that offers the advantages of superior fire power, enhanced mobility and rapid response time. The Cardom fire range exceeds 40km with ERFB-BB ammunition and a suitable propelling charge. Designed specifically for rapid deployment and operation on difficult terrain, the Cardom's shoot-and-scoot capabilities are supported by an integrated electronic suite incorporating an INS-based laying system, as well as an automatic loading system that reduces crew effort. The Cardom can be mounted on any adapted high-mobility 6x6 or 8x8 truck chassis preferred by the customer.

**Soltam ATMOS** is a 155mm/52 caliber autonomous towed howitzer capable of a range greater than 40km. The gun utilizes inertial navigation and aiming systems, including a GPS and an onboard firing computer as part of its autonomous capabilities. It achieves automatic control, automatic laying, accurate navigation and target acquisition. When deployed in the battlefield, the ATMOS can maneuver itself using its own diesel engine and special hydraulic-driven road wheels which are also ideal for shoot-and-scoot positioning. The hydraulic system enables a team of seven crew members or less to deploy the ATMOS within minutes.

**Soltam Cardom 81/120mm for Infantry Battalion and Brigade Levels** A 120mm autonomous self-propelled recoiling mortar system with auto-laying capabilities, the Cardom solution is muzzle-loaded and turntable-mounted. It has been in extensive use by the U.S. Army, NATO, the Israel Defense Forces and other leading ground forces.

Compatible with a variety of fire control systems and inertial navigation systems, the Cardom can fire a first round in less than one minute and 16 rounds in 'burst' succession, allowing for rapid deployment. Designed for heavy and medium platforms, the system can be integrated with forward observers or UAS for quick target acquisition or target prioritization in various operational modes.

**Soltam ATMOS** is an all-range 155mm/52 caliber autonomous towed howitzer capable of a range greater than 40km. The gun utilizes inertial navigation and aiming systems, including a GPS and an onboard firing computer as part of its autonomous capabilities. It achieves automatic control, automatic laying, accurate navigation and target acquisition. When deployed in the battlefield, the ATMOS can maneuver itself using its own diesel engine and special hydraulic-driven road wheels which are also ideal for shoot-and-scoot positioning. The hydraulic system enables a team of seven crew members or less to deploy the ATMOS within minutes.

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