



DSEI 2021: IAI Unveils REX MK II: A new multi-mission unmanned land vehicle

The new operational system, part of IAI's family of unmanned ground
systems, will support ground forces in the field while minimizing threats
to human lives

September 13 2021 -- Israel Aerospace Industries (IAI) is excited to unveil the REX MK II, the newest unmanned land platform, intended to keep troops out of harms way in complex circumstances. The REX MK II, already sold to customers worldwide, is an unmanned land vehicle adapted to a range of ground missions with advanced maneuverability and ability to carry a load of 1.3 tons. The new hybrid electric platform, all-wheel drive, supports combat forces in gathering intelligence, providing logistical support, and helps execute remote attacks. The vehicle is land-based, autonomous with command-and-control capabilities, or by a single operator through wireless communication. The system will be presented at the DSEI exhibition in London, this week.

The multi-mission REX MK II is intended to support infantry ground forces in various stages of fighting. This includes providing logistical assistance to troops by carrying munition supplies, critical medical equipment, water, and food, as well as evacuating injured personnel on stretchers. The system can also gather intelligence through a situation-awareness-system that incorporates electro-optical sensors and radar.

The REX MK II also enables conducting attacks by using remotely controlled weapons systems including a 7.62mm machine gun, a cal 0.50 heavy machine gun, and as a multi-mission multi-purpose platform to support additional missions based on troops needs.

The new REX MK II joins other operational unmanned platforms developed by IAI including the **Jaguar**, an unmanned land platform for defending borders, gathering intelligence and carrying out attacks; the **RobARC**, an operational unmanned platform for uncovering and destroying ground level and subterranean explosive devices; the **Robattle** – a robotic operational land platform with high maneuverability, carrying out complex missions in difficult conditions, quickly and safely; the **RobDozer** – an unmanned bulldozer intended to carry out complex military engineering in danger zones.

Zvika Yarom, GM Land Division, IAI said: "The need to support ground forces in the field to carry out various missions while minimizing threats to soldiers' lives is at the heart of our values here at Israel Aerospace Industries. This system is based on harnessing our decades long experience with UAVs, to implement in the world of land vehicles. IAI's unmanned land platforms are in use operating along Israel's borders and in different fighting units as well as in other locations around the world. We are experiencing a rise in demand from clients for unmanned land platforms."

IAI's Land Division concept is built on three principles: 1. situational awareness, 2. Survivability, and 3. lethality. With the use of advanced technologies, our systems can recognize threats, employ active and passive defence measures, and supports the "sensor-to-shooter loops" in real time and in an autonomous



manner (pressing the trigger by a soldier). IAI's ELTA group, Israel's radar and intelligence house, is developing groundbreaking strategic systems such as mission aircraft, national cyber arrays, unmanned and robotic land platforms, UAV defence, homeland security systems and more.

Israel Aerospace Industries (IAI) is a world-leading aerospace and defence company innovating and delivering state-of-the-art technologies in space, air, land, naval, cyber & homeland security for defence and commercial markets. Combining the "Start-up Nation" spirit of innovation with decades of combat-proven experience, IAI provides customers with tailor-made, cutting-edge solutions to the unique challenges they face, including satellites, UAVs, missiles, intelligence solutions, weapon systems, air defence systems, robotic systems, radars, business jets, aerostructures, and more. Established in 1953, IAI is one of Israel's largest technology employers with offices and R&D centers in Israel and abroad. For more information: www.iai.co.il

Picture: IAI's REX MK II system (credit:IAI)

Link to video: <https://www.jumbomail.me/j/-elPGWCAkkSDuni>

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