

► DIVISIONS *VEHICLE SYSTEMS, WEAPON AND AMMUNITION, ELECTRONIC SOLUTIONS*

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Providing friendly forces with the best-possible protection: Rheinmetall showcasing products and security technologies for aviation in the digital age at ILA Berlin Air Show 2022

ILA Berlin Air Show 2022, Europe's biggest aerospace exhibition, takes place from 22 to 26 June. Rheinmetall will be on hand again this year at ILA. Under the motto "Providing friendly forces with the best-possible protection", the Düsseldorf-based technology enterprise will be presenting part of the wide array of systems and services offered by its Vehicle Systems, Weapon and Ammunition, and Electronic Solutions divisions.



Among this year's highlights are:

Unmanned systems and robotics: Rheinmetall presents its current product portfolio of unmanned systems, including the LUNA NG (Next Generation) UAS as the latest development for unmanned airborne reconnaissance, classification and recognition of objects in real time and as a platform carrier for a wide range of payloads and missions. Rheinmetall will demonstrate how their various Smart Multipurpose UAV Platforms can enhance the sensor systems of vehicle platforms and improve situational awareness.

Loitering munitions: Precision loitering munitions combine the characteristics of drones and guided missiles. They enhance the ability of even small units to reconnoitre target zones from above as well as enabling high-precision standoff engagement of targets. Rheinmetall and its partner UVision have entered a cooperation agreement to market UVision's Hero family of loitering munitions in Europe. At ILA, the two companies will be spotlighting possibilities for integrating various Hero LM systems into manned and unmanned vehicles.

Air defence: Mobile, modular, and scalable, ground-based air defence systems are gaining new importance now that NATO armed forces are focusing once again on defending national and allied territory and airspace. Here, being able to engage unmanned aerial systems and loitering munitions is especially important. At ILA, Rheinmetall is displaying a Boxer 8x8 wheeled armoured vehicle configured for an air defence role, topped with the Skyranger30 turret with an integrated surface-to-air missile launcher, a combination particularly capable of performing this vital task.

► Key facts

- Rheinmetall exhibiting at ILA Berlin Air Show, 22 - 26 June 2022
- Providing friendly forces with the best-possible protection
- Highlights: unmanned systems and robotics, air defence, simulation technology, augmented reality, and mobile start unit
- Joining with users and procurement officials to rethink products and services for future operations

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Simulation: “Train to perform” – computer-supported technologies for the armed forces and their equipment and training needs are a decisive factor in national security. Wielding a wide spectrum of simulation skills, Rheinmetall offers optimum instruction systems for future joint operations and multinational scenarios. Furthermore, lifelike training rigs and augmented reality technologies, individually developed for the task at hand, enable effective, highly realistic training of repair and maintenance personnel without tying up the original aircraft. Moreover, augmented reality applications will foster innovation throughout the entire lifecycle of military assets.

Mobile start units: Rheinmetall supplies mobile start units for civilian and military aircraft engines. Compact, reliable, and inexpensive to operate, these high-performance, virtually maintenance-free systems have turned Rheinmetall into established supplier in this market. Powered by a turbine, the devices not only help to start the engine, but also supply compressed air for the air-conditioning system onboard the aircraft. At this year’s ILA, the MSU-GP 200T will be on show, a turbine-powered air start unit that can also supply the aircraft with 90 kVA of electric power. Late last year, Rheinmetall presented the world’s first fully electric mobile start unit, the eMSU, which can be used in all weather conditions. Designed to meet the most stringent emission requirements, it significantly cuts air pollution at airports, thus improving air quality.

At ILA 2022 Rheinmetall will also be spotlighting its extensive expertise in counter-drone operations and protection systems as well as in simulation and training, and technical documentation. Rheinmetall looks forward to welcoming you to ILA 2022 at Stand G3 – 003!