

13 June 2022

Rheinmetall at Eurosatory 2022

Rheinmetall unveils new Mission Master XT – Fire Support module with the high-precision UVision HERO-120 Loitering Munition system

Rheinmetall is proud to present a brand new module for the Rheinmetall Mission Master XT platform at this year's Eurosatory exhibition in Paris from June 13-17. Developed in partnership with UVision, this new Fire Support module is equipped with the HERO-120 Loitering Munition system, providing the shortest and most effective sensor-to-shooter effector.

The HERO-120 is a smart, high-precision Loitering Munition system with a unique aerodynamic structure. Capable of conducting pinpoint strikes, its wide range of multipurpose warheads enables highly effective engagement of all types of hard and soft targets, ensuring minimal collateral damage. Continuous monitoring in accordance with the "human in the loop" principle enables calculated and pinpoint attacks that are precisely tailored to the timing and conditions of the constantly changing situation. The constant recording of the operation on the ground station provides proof of compliance with the strict rules of engagement.



The HERO-120's Electro-Optic/Infrared (EO/IR) homing device enables Non-Line of Sight (NLOS) engagement during day and night, maintaining accurate tracking of static and moving targets. Because of its small footprint, low acoustic and thermal signature, this Loitering Munition system is a major asset to fighting forces.

The integrated solution provides frontline forces with a new independent ability to locate, track, and accurately eliminate heavily armoured targets from long ranges, in challenging battlefield conditions, including GPS-denied environments and communication jamming, without the need for external support.

This entirely new version is based on the Mission Master XT platform, the latest member of the successful Rheinmetall Mission Master family of Autonomous Unmanned Ground Vehicles (A-UGV). The Mission Master XT thrives in extreme terrain and easily tackles ice, snow, and sub-zero weather conditions — in addition to sandy, rocky, and mountainous topographies. With its advanced amphibious capabilities, the Mission Master XT can float and swim, maintaining its full payload capacity.

The diesel-powered engine allows it to travel 750 km without refuelling while lithium-ion batteries enable up to 6 hours of silent watch operations. A continuous tire inflation system adjusts tire pressure as needed based on the terrain, and keeps this powerful A-UGV moving even with 2-cm holes in the tires.

► Key facts

- Rheinmetall unveils a new Mission Master XT – Fire Support equipped with the UVision HERO Loitering Munition system
- The new module features the high-precision HERO-120, a Loitering Munition system that meets the complex requirements of the modern battlefield
- Visit us at Eurosatory 2022 to get the chance to see on display the newly released Rheinmetall Mission Master XT as well as a Mission Master SP – Cargo

► Contacts

Oliver Hoffmann
Head of Public Relations
Rheinmetall AG
Tel.: +49-(0)211 473 4748
oliver.hoffmann@
rheinmetall.com

Dr. Jan-Phillipp Weisswange
Assistant Head of Public
Relations
Rheinmetall AG
Tel.: +49-(0)211 473 4287
jan-phillipp.weisswange@
rheinmetall.com

► Social Media

 @Rheinmetallag

 @Rheinmetallag

Driven by the Rheinmetall PATH autonomy kit

The Rheinmetall Mission Master XT owes its autonomous driving and navigation functions to the proven PATH Autonomy kit (A-kit). This A-kit provides the Mission Master A-UGV operators with a wide range of advanced controlled modes, such as a smart Rheinmetall tablet enabling safe firing as well as an ATAK-compatible soldier system. It also offers many more teleoperation options, including a smartwatch and single-hand controller, to meet the operational objectives of multiple scenarios.

These control devices enable access to advanced PATH features, such as follow-me, convoy, and autonomous navigation modes. Each control mode incorporates multiple layers of protection to ensure that the vehicle always operates safely. Moreover, Rheinmetall is committed to keeping a human in the loop in all kinetic operations, ensuring that it is never a machine that decides when to open fire.

Come to Eurosatory 2022 and make sure to visit us at booth no. F241-240 to see our Mission Master A-UGVs in person

On top of showcasing the new Mission Master XT – Fire Support with UVision's HERO Loitering Munition system, Rheinmetall will also display the Mission Master SP – Cargo at its Eurosatory booth this year. Don't miss your chance to talk to our experts about the Mission Master family and its numerous advantages.

