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Rheinmetall at AUSA 2022 – American Rheinmetall Brings Next-Generation Technologies that meet the U.S. Army’s Highest Priority Modernization Challenges, Now.

The AUSA Annual Meeting & Exposition takes place in Washington, DC from 10-12 October. This year’s motto is “Building the Army of 2030”. The American Rheinmetall family of companies along with key partners from Rheinmetall’s global enterprise will be on-site (booth #1439) showcasing some of its most recent activities, achievements and innovative solutions aimed at providing the U.S. Army with the critical, next-generation technologies it needs and deserves.

The OMFV Concept Demonstrator

American Rheinmetall Vehicles and the exceptional U.S. defense companies of Team Lynx - Textron Systems, Raytheon Technologies, L3Harris Technologies, Allison Transmission, and Anduril Industries, are designing a transformational next-gen

infantry fighting vehicle – The Lynx OMFV – for the Army’s Optionally Manned Fighting Vehicle (OMFV) Program. Featuring a US-designed new, lethal, unmanned 50mm turret with 3rd GEN FLIR, a highly maneuverable and powerful right-sized chassis, advanced on-board protection systems including active protection, and an open systems architecture, ensuring overmatch today and overmatch tomorrow.

On the Rheinmetall booth, visitors can see American Rheinmetall Vehicles’ OMFV Concept Demonstrator, a life-size display that represents the physical appearance of the Lynx OMFV’s design, complimented with augmented reality highlighting technologies for the OMFV program. Visitors can learn more about the Lynx OMFV’s transformational capabilities at Rheinmetall booth #1439. Additional information on next-gen technologies that are part of the Lynx OMFV delivered by Team Lynx is available on their individual exhibition booths: Textron (#3024), Raytheon (#2304), L3Harris (#6627), Allison (#8409), and Anduril (#4443).

The HX3-CTT – The Next-Gen Tactical Truck that Delivers

The HX3-CTT, offered to the Army for its Common Tactical Truck (CTT) program by American Rheinmetall Vehicles and GM Defense features proven commercial technology alongside impressive tactical capabilities. Delivering exceptional commonality across a family of tactical trucks, the HX3-CTT brings the benefits of

► Key facts

- Rheinmetall is showcasing numerous products and activities at AUSA 2022 on 10-12 October in Washington D.C., USA
- Highlights include the HX3 Common Tactical Truck, OMFV Concept Demonstrator, Protection Systems, Mission Master CXT, 155mm L52 howitzer Cannon Barrel, and many more products and solutions that enhance the Warfighter’s capabilities



► Contacts

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

US Media Contact
Danielle Callender
American Rheinmetall Defense
Tel.: +1 207 292 8895
danielle.callender@rheinmetall-us.com

► Social Media

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common parts and high commerciality that enable rapid, efficient incorporation of advanced technology insertions in the future, including those developed by the commercial marketplace with clear benefit to the military vehicle segment. The next-generation tactical truck offers modern capabilities, such as advances in safety (including extensive ADAS features), demand reduction with improved fuel efficiency and reduced carbon emissions, and leverages commercial content to maximize the benefits of a streamlined, validated global supply chain.



American Rheinmetall Vehicles and GM Defense formed a strategic collaboration to bring together two powerhouse companies that can leverage commercial technologies, robust engineering, and world-class manufacturing to answer the Army's call for the next-generation CTT program. The HX3-CTT is a derivative of Rheinmetall MAN Military Vehicles' globally successful and fielded HX family of military off-the-shelf tactical trucks already in service with 8 allied countries. See the HX3-CTT at the GM Defense booth #7901!

Airburst Lethality – Fight. Survive. Win.

On display at AUSA, visitors will see a range of world-class, medium caliber airburst munitions, a field of technology in which Rheinmetall specializes. The airburst munitions produce lethal effects against personnel in open and defilade positions, defeat unarmored/lightly armored vehicles and provide layered counter-UAS defense. The improved MK93 heavy weapon mount – designed and produced by American Rheinmetall Systems – will also be on display. The improved mount reduces recoil and improves accuracy of medium caliber weapon systems, to enable the integration of Rheinmetall's airburst munition and lethality capabilities that require high precision. Rheinmetall is also leveraging its extensive systems expertise to provide high performance programmers that increase first round hit probability for airburst systems. American Rheinmetall Munitions coordinates Rheinmetall's work to ensure these systems deliver optimal interoperability and game-changing combat performance for the Army.

The 155mm L52 Howitzer Cannon Barrel and Advanced Artillery Technologies

Rheinmetall's expertise as an Artillery Systems House will be on full display, starting with the combat proven, in-service 155mm L52 howitzer cannon barrel – JBMOU compliant and NATO compatible. Also featured is Rheinmetall's most advanced artillery technologies including Extended Range Charge (ERC) propellant, providing significant range increase across operational temperature profiles, the precision Velocity-enhanced Long-Range Artillery Projectile (V-LAP) 155mm ammunition which have recently set world-records, and SMArt®155, the intelligent and autonomous sensor-fused, fire-and-forget artillery projectile. ERC is prototyping a L58 ERCA charge for the Army and V-LAP recently demonstrated extremely high accuracy with course-correcting fuzes in a live fire in Yuma. The technology combination of 155mm L52 with ERC and either V-LAP or SMArt®155 provide game-changing lethality and range dominance desired for the Army's tactical fires.

Rheinmetall's Mission Master CXT Autonomous Unmanned Ground Vehicle

Rheinmetall is proud to introduce the Mission Master CXT, the latest member of its successful Mission Master family of Autonomous Unmanned Ground Vehicles (A-UGV), at this year's AUSA exhibition. The Mission Master CXT is a new autonomous ground vehicle capable of tackling extreme terrain with a world-class weapon, the M134D, providing rapid suppression of any target and putting friendly military forces in positions of advantage. Stay tuned for more info!



Electronic Mission Systems Including Unmatched EO/IR 360° Vehicle Situational Awareness Technology

Rheinmetall's U.S. electronics division, American Rheinmetall Systems, will display its broadened product portfolio at this year's AUSA exhibition. In addition to soldier lethality systems such as laser aiming, pointing and illuminating devices and fire control systems, the company offers world-class vehicle electronic mission systems to the U.S. market. On display at AUSA will be an interactive commander's and gunner's display of a TRL 9, fully integrated, modular and scalable combat vehicle system for EO/IR 360° Situational Awareness and Drivers Vision Enhancement.

StrikeShield Active Protection System: Modular Protection with Lower Risk of Detection

Rheinmetall will demonstrate its expertise in vehicle survivability with an exhibit of StrikeShield, a next-generation Hardkill Active Protection System that integrates APS components within a modular armor package. StrikeShield's hybrid design provides optimal performance while minimizing system weight and power consumption. In addition, StrikeShield offers superior protection when engaged by multiple or simultaneous threats, even from very close range. The system emits a very low electronic signature that significantly reduces the risk of detection by adversaries, and its defeat of threats in close proximity to the platform make StrikeShield much safer for dismounts.

Visitors to Rheinmetall's booth will also learn about the company's Rapid Obscuring System (ROSY), a 40mm non-lethal grenade launcher that is currently fielded on both vehicle and naval platforms. ROSY produces an instantaneous smokescreen for effective obscuration across the visual and IR spectrum, and the system's lightweight modular design is suitable for virtually all ground vehicles.

Rheinmetall welcomes visitors to AUSA booth #1439 to experience the Group's offerings fitted for the Army's future fighting force.