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## U.S. Debut – Rheinmetall presents the HX3 at AUSA: a next-generation tactical truck

Rheinmetall is proud to present the HX3 – the latest generation of its globally tried-and- tested HX family of tactical trucks – at this year’s Association of the United States Army’s annual meeting (AUSA 2021) from 11-13 October in Washington, DC. Completely redesigned, this future-proof military truck addresses contemporary military and automotive megatrends by drawing on innovative new defense, commercial off the shelf (COTS), and modified (MOTS) commercial technologies. Among other things, users can expect better protection, improved mobility, enhanced driving comfort, as well as a digital interface architecture for greater operational flexibility and future performance upgrades.

American Rheinmetall Vehicles (Sterling Heights, MI), is engaging with the U.S. Army in the upcoming Common Tactical Truck (CTT) program that seeks to replace the Army’s aging fleet of HEMTT/PLS and M915 trucks. CTT could involve the replacement of tens of thousands of trucks valued at over \$10 billion over the life of the program.

Designed by Rheinmetall MAN Military Vehicles, the HX family is among the most widely used range of military trucks globally. A military-off-the-shelf family of vehicles, HX trucks are systematically designed for maximum durability, mobility, and modularity, effectively placing them in a class of their own. HX3 variants planned include 8x8 cargo, automated load handling system, tanker, tractor, wrecker, and system carrier. In a 10x10 configuration the HX3 can deliver even greater carrying capacities to include a platform to support a mobile howitzer. Like the HX2, the HX3 series of vehicles carries a high degree of commonality and commerciality to reduce development, lifecycle, and obsolescence costs.

The HX3’s completely overhauled cab design delivers even greater ease of operation and crew protection, while various 21st century driving and operating assistance systems ensure enhanced safety and effectiveness for vehicle crews. Completely reworked, the electronic and electrical architecture and assistance systems – including Emergency Brake Assist/EBA, Adaptive Cruise Control/ACC and Lane Departure Warning/LDW – bring large tactical trucks into the modern driving era delivering features that enhance safety and function for Army Soldiers across tactical and non-tactical missions.



### ► Key facts

- New generation of tried-and-tested HX family
- Military-off-the-shelf product
- Platform for logistic and tactical missions
- Different protection solutions and future-proof assistance systems
- Extensive parts and functional commonality; high compatibility with prior generations

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The advanced architecture importantly sets the foundation for autonomous driving functionality in the trucks. Standardized interfaces also make it possible to integrate future technologies such as truck platooning and other automated applications. Along with a robust chassis and high-performance engine with best-in-class fuel economy, the vehicles can be equipped with optional suspension upgrades, which significantly enhance the vehicle's performance both on and off road.

The HX3 on display at AUSA is fitted with a fully automatic, unmanned artillery gun system under development by Rheinmetall. The payload demonstrates the HX3's ability to host even the most sophisticated payloads. The mobile howitzer variant, on a 10x10 HX3, features an L60 gun with a turret that can rotate and fire through 360 degrees, drawing on an autoloader and turret magazine containing projectiles and propelling charges for forty rounds. Rheinmetall is a global leader in artillery systems. Also on display at AUSA on Rheinmetall's both are next-generation artillery technologies including extended range rounds and propellant.

More than ever, the next-generation HX3 embodies a platform concept equally suited to logistic and tactical scenarios. The HX3 family is characterized by a wide array of variants and great system diversity. The HX3 can be further enhanced thanks to new systems such as Supashock's Automated Load Handling System, or ALHS, which enables rapid loading and unloading of payloads by operators without ever having to leave the safety of the truck's protected crew cabin.

AUSA attendees are invited to visit the Rheinmetall booth (#1803) to experience the HX firsthand.