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American Rheinmetall Vehicles and GM Defense Team to Pursue U.S. Army's Common Tactical Truck Program

American Rheinmetall Vehicles (Sterling Heights, MI), a leading developer of tactical wheeled and tracked combat vehicles and systems has formed a strategic collaboration with GM Defense LLC (Washington, DC), to compete in the U.S. Army's Common Tactical Truck (CTT) program. The CTT program seeks to identify a replacement platform for the Army's Family of Heavy Tactical Vehicles.



The Army expects to execute multiple Prototype Projects before determining whether to proceed to initial production that could entail purchase of approximately 5,700 vehicles at a value of around \$5 billion. A Request for Prototype Proposals for the first phase was issued in late June with an expected Contract Award in December of 2022.

Rheinmetall, with its subsidiary Rheinmetall MAN Military Vehicles (RMMV), is a global leader in tactical military truck development and manufacturing. The Group's HX family of trucks have been sold to 20 customers globally including an active Allied user group consisting of Germany, Australia, United Kingdom, Austria, New Zealand, Norway, Sweden, and Denmark. Rheinmetall recently unveiled its HX3, next-generation series of truck with advances in power, mobility, Advanced Driver Assistance Systems (ADAS), and an open systems architecture with pathways to hybrid technology incorporation, leader follower driving, and autonomous operations. The militarized HX3 series incorporates substantial commercial technologies reflecting Rheinmetall's joint venture with MAN Truck & Bus which streamlines logistics and sustainment burdens and provides benefits in vehicle upgrades. An Americanized HX3 forms the basis of what the American Rheinmetall Vehicles and GM Defense team will offer the Army in the first phase of the CTT program. Combined with an open architecture, the commercial backbone of the HX3 will support persistent modernization and allow for increases in capability as technologies mature. This will reduce obsolescence issues and overall lifecycle costs.

GM Defense is a rapidly expanding, wholly-owned subsidiary of global technology powerhouse General Motors (GM) – one of the largest automotive producers in the world, delivering 2.2 million vehicles in 2021 alone, and remains the largest commercial provider of military vehicles in history. As GM's purpose-built government-facing entity, GM Defense will bring its formidable manufacturing capabilities and technological excellence to the CTT team, leveraging GM's innovation and portfolio of commercial technologies to advance customer capabilities. Having been selected to deliver the Infantry Squad Vehicle (ISV) to the Army under an Other Transaction Authority (OTA) contract, GM Defense understands rapid prototyping, agile design and engineering, and rapid delivery.

The CTT Program is a rapid prototyping effort that uses a middle tier acquisition strategy and OTAs to enable the Army to quickly procure and test tactical truck prototypes to replace its family of heavy tactical trucks. The Army is seeking a modern platform featuring advanced driver safety systems, increased off-road mobility, cybersecurity, machine learning, artificial intelligence, improved survivability, and fuel efficiency among other emerging technologies. The program will enable the Army to replace legacy vehicles like the Palletized Load System (PLS), Heavy Expanded Mobility Tactical Truck (HEMTT), M915 Line Haul Tractor, and other platforms in the current heavy and medium tactical wheeled fleet. A truck with maximum commercial elements, able to perform military missions, and that can bring commonality amongst mission roles are top priorities for the Army in the program.

“American Rheinmetall Vehicles is a committed partner to the Army, bringing next-generation capability, technology and competition to high priority Army modernization programs like CTT. GM Defense shares our commitment, and together our team will provide a transformational truck to support the Army and its Soldiers,” said Matthew Warnick, Managing Director for American Rheinmetall Vehicles. “General Motors has a century of experience supporting the Department of Defense with a remarkable heritage in design, engineering, and manufacturing. GM Defense continues that heritage with the ability to rapidly develop and deploy advanced technologies, bringing an important capability to the American Rheinmetall Vehicles team and our exceptional CTT offering,” said Warnick.

“On the heels of successfully delivering the ISV to our Army customer, GM Defense is excited to join American Rheinmetall Vehicles on the CTT program to deliver another exceptional mobility solution for our Soldiers,” said Steve duMont, President of GM Defense. “This strategic collaboration enables GM Defense to continue showcasing our advanced capabilities, leveraging GM's innovation and proven commercial technology. With American Rheinmetall Vehicles' HX3 as the starting point, I'm confident that together we will deliver a winning solution that meets or exceeds the Army's requirements and provides a platform for growth and technology insertion to support our warfighters well into the future,” continued duMont.

HX3 Common Tactical Truck (HX3-CTT)

Technology for the future: The HX3-CTT features an advanced, interchangeable protected cab design, Advanced Driver Assistance Systems (ADAS), and drive by wire operation. The new open systems electrical architecture allows rapid integration of leader follower and autonomous capabilities that focus on protecting our most valuable combat asset – the Soldier.

Common Platforms and parts to support a family of vehicles: The HX3-CTT is the new, next-gen variant of the globally successful HX family of military-off-the-shelf tactical trucks. It possesses an extremely high level of commonality and modularity across variants: cargo, load handling systems, tankers, and line haul tractors. With an HX family that can scale from 4x4 to 10x10, the HX can meet any military need.

Commerciality in its DNA: The HX3-CTT leverages best-in-class advances in commercial truck technology, safety, fuel efficiency, and emissions reduction. Ruggedized for the stresses of military service, the HX family provides an “off the shelf” capability. This commercial backbone reduces obsolescence risk/cost, expands parts availability, and reduces sustainment demands.

Allied Interoperability: The HX family of trucks have been sold to 20 customers globally including an active Allied user group consisting of Germany, Australia, United Kingdom, Austria, New Zealand, Norway, Sweden, and Denmark, creating common global supply chains, training opportunities, and integrated operations among key allies operating around the world.

About American Rheinmetall Vehicles

American Rheinmetall Vehicles delivers next-generation, advanced tactical wheeled vehicles and innovative tracked and wheeled combat vehicles in support of today's highest combat vehicle modernization priorities. Rheinmetall's collaborative global structure allows for the maturation and strengthening of the U.S. Industrial Base now and into the future. American Rheinmetall Vehicles is part of the American Rheinmetall family of U.S. companies including American Rheinmetall Munitions in Stafford, VA, American Rheinmetall Systems in Biddeford, ME and U.S. corporate parent American Rheinmetall Defense in Reston, VA. www.rheinmetall.com/arv

About GM Defense, LLC.

GM Defense delivers integrated vehicles, power and propulsion, and mobility and autonomy solutions to global defense, security, and government markets. The exceptional reliability of GM Defense's technologies results from decades of proven performance and billions of dollars spent in independent research and development by its parent, General Motors, a world leader in global design, engineering, and manufacturing capabilities. For more information, please visit www.gmdefensellc.com.

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#Rheinmetall #GMDefense #HX3CTT #TechnologyDriven #TacticalTruck #USArmy #Modernization
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