

# The HX3 Common Tactical Truck: Next-Gen Excellence for Military Customers – Today



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Two powerhouse defense companies have joined forces to deliver the most advanced military truck prototype for the world's finest fighting force.

When American Rheinmetall Vehicles and GM Defense formed a strategic collaboration to compete in the U.S. Army's Common Tactical Truck (CTT) program, they brought together two world-class engineering and manufacturing giants in an effort to deliver a modern, tactical truck prototype that enhances Soldier capability through advanced technology.

Rheinmetall brings its long standing experience and success in the global tactical truck market, represented by their proven family of HX tactical trucks, including the recently unveiled next-generation HX3 model. GM Defense brings to the team the ability to leverage world-class manufacturing, engineering, and advanced commercial technologies from its parent company, General Motors (GM). Together, they are a formidable team that can provide the Army with the enhanced capabilities required for CTT.

### **The Challenge**

The Army operates an aging fleet of heavy trucks that are threatened by technological obsolescence

and do not benefit from significant commonality with commercial fleets of vehicles which could otherwise streamline fleet modernization. With the ongoing conflict in Eastern Europe, combined with the Army's commitment to provide contested logistical support to the Joint Force including in the Indo-Pacific theater of operations, it's clear that highly capable logistic vehicle fleets are needed to win decisively on future battlefields. However, as currently postured, the Army's heavy tactical truck capability is insufficient to meet these operational requirements, which is why the CTT program is so critically important to the Army as well as to the Joint Force.

With CTT, the Army is seeking a modern base platform featuring advanced driver safety systems, increased off-road mobility, cybersecurity hardening, machine learning, artificial intelligence, superior survivability, and improved fuel efficiency, among other critical capabilities. By leveraging commercial technologies and a common platform to perform diverse military missions, the Army can benefit from enhanced

capabilities, cost savings, the flexibility to adopt technologies from adjacent commercial truck fleets, and a larger, global supply chain for spare parts.

The Army is expected to procure and test a small number of prototypes in an initial phase before determining whether to proceed to initial production that could entail the purchase of approximately 5,700 vehicles at a value of around \$5 billion.

### **The Solution: HX3 Common Tactical Truck (HX3-CTT) – Unrivalled Superiority**

#### **TECHNOLOGY FOR THE FUTURE**

The HX3-CTT features Advanced Driver Assistance Systems (ADAS) that are ubiquitous in keeping operators safe in today's civilian environments and game changers in safety in the military environment including lane departure warning, adaptive speed controls and more that will become common and crucial on future battlefields. The HX3-CTT incorporates a new open systems electrical architecture that allows rapid integration of leader follower and autonomous capabilities that focus on protecting our most valuable combat asset – the Soldier. An advanced, interchangeable protected cab design makes survivability for operators the ultimate premium.

#### **COMMON PLATFORMS AND PARTS TO SUPPORT A FAMILY OF VEHICLES**

The HX3-CTT is a new, next-generation variant of Rheinmetall MAN Military Vehicle's 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 4×4 to 10×10, the HX can meet any military need. This common platform approach offers crucial benefits that enable a more reliable, more efficient, and ultimately, a more ready logistics truck fleet that can support the nation in crisis and in peace.

#### **COMMERCIALITY IN ITS DNA**

By leveraging commercial technologies from the global MAN Truck & Bus product line, in addition to GM Defense, the HX3-CTT will offer defense customers best-in-class advances in safety, fuel efficiency, and emissions reduction. Ruggedized for the stresses of military service, the HX family includes maximum commercial content that benefits from large, streamlined commercial supply chains as well as adoption of future modernized technologies for larger commercial fleets, but transferable more easily into an HX system. Leveraging commercial content helps reduce technological obsolescence while also lowering the costs of modernization, expanding parts availability, and reducing 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. If the Army adopts the next-generation HX3-CTT as their solution, Soldiers will benefit from the newest, most advanced technology from day one from a truck already operated by key global partners. Such a scenario enables immediate global interoperability, a streamlined supply chain, and modernization cost sharing, in addition to increased confidence among the U.S.'s most critical allies in an uncertain, unstable, and increasingly challenging security environment.

#### **World-class Defense Partnership**

[American Rheinmetall Vehicles](#) delivers next-generation, advanced tactical wheeled vehicles and innovative tracked and wheeled combat vehicles using cutting edge digital engineering in support of today's highest combat vehicle modernization priorities. The company recently opened a new





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facility in Sterling Heights, MI, a demonstration of the business's continued investment in the U.S. defense industry, bringing new technologies and highly skilled jobs into the region in support of a number of Army modernization programs. 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.

[GM Defense](#) leverages proven commercial technologies, world-class manufacturing, and global supply chain of its parent company, GM, to deliver advanced mobility solutions at nearly any level of production to meet military requirements. 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 GM, a world leader in global design, engineering, and manufacturing capabilities.

### **Delivering Tomorrow's Truck Today**

Through the use of proven commercial technologies and world-class manufacturing, American Rheinmetall Vehicles and GM Defense plan to deliver the HX3 Common Tactical Truck to include advanced safety features, autonomous capabilities, open architecture, and commonality among variants as the best-in-class CTT offering. The result will be a next-generation mobility solution that strengthens the Army's capabilities now, with the ability to flex into the future.

American Rheinmetall Vehicles and GM Defense are poised to deliver on all fronts.