

### American Rheinmetall Vehicles, LLC

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LYNX XM30



# AMERICA'S NEXT INFANTRY COMBAT VEHICLE



PASSION FOR TECHNOLOGY.



## THE AGE OF THE LYNX XM30.

### DESIGNED WITH GROWTH IN MIND, ENABLING FUTURE POSSIBILITIES.

Military operations are ever more complex and unpredictable. The Lynx XM30 accounts for threats the U.S. Army faces today and maintains growth potential through its Ground Combat Systems Common Infrastructure (GCIA) to maintain overmatch and ease future upgrades.

- Radically different
- Modern design
- Innovative architecture
- Uncompromising capabilities
- Maximum growth

Committed to developing the future Infantry combat vehicle that achieves the U.S. The Lynx XM30's GCIA open electrical and software architecture and modular structural Army's requirements, American Rheinmetall Vehicles designed the Lynx XM30. The architecture results in a uniquely modular concept that reduces production and Lynx XM30 is more than just a highly advanced vehicle: it is the ultimate future-proof lifecycle costs. The result is a highly flexible system that offers solutions for every platform, blending unsurpassed protection with superior firepower and unbeatable scenario with decisive advantages. mobility.



## FROM THE DIGITAL DRAWING BOARD...



## ... TO A COMPELLING REALITY

Multi-domain operations of the future will be challenging. New technology drives interconnectivity and complexity of the domains. American Rheinmetall Vehicles designed The Lynx XM30 to meet these requirements with exceptional flexibility and modularity, enabling convergence of lethal and non-lethal effects.

Acting dynamically across domains, the Lynx XM30 can operate with other units or independently. The vehicle offers the tools to successfully sense, move, and strike in a changing operational environment, creating new dilemmas for enemy threats it encounters. The Lynx XM30, in manned or unmanned configuration, can conduct reconnaissance with on-board sensors or resources, and organically deployed UAV systems, increasing battlefield awareness while reducing risks to our Soldiers.

- Multi-Mission Launcher capable of firing TOW<sup>™</sup>, Javelin, and the Coyote Block 3 loitering munition
- Two-Soldier Crew with 6 mounted Infantry under armor

## **POWER OF VARIETY.** ONE PLATFORM. MULTIPLE MISSIONS.

With its modular design and open architecture, the U.S. Army can tailor the Lynx XM30 to meet specific missions or threats, rapidly evolving to easily adapt to future requirements. The modularity and open system also significantly reduce the training and logistics burden, leading to greater operational readiness. And when it comes to operating the vehicle: a Lynx XM30 is always a Lynx XM30 – no matter how it is configured.

## Designed with Growth Margins in Mind

- Modular design
- GCIA architecture
- Customizable configurations



## **SENSE.** SUPERIOR BATTLEFIELD AWARENESS.

In multi-domain operations, the U.S. Army must process information instantly to gain the crucial edge over opposing forces. The Lynx XM30 operates as both an independent entity and an integral part of the information network – enabling synthesis of information and convergence of non-lethal effects.

# Superior Battlefield Awareness

The 360° SA and birds eye view offers video for all members on board and allows dismounts to prepare for their mission while moving to the objective. The L3Harris Technologies WESCAM MX-GCS MK3 sights provide a stabilized, digital thermal, TV, and IR capabilities with integrated laser rangefinder and fire control unit. When combined with the XM913 cannon, the Lynx XM30 provides lethality overmatch against near peer adversaries.

Enhances the hunter-killer and killer-killer capability, significantly reduces reaction times, and lowers the cognitive burden of the crew.

Integration of laser warning sensors, hostile fire detection and an active protection system enables the crew to identify incoming threats as they are fired and provide location information to the crew and high commands. Flexible vehicle control architecture enables operation of all vehicle systems from multiple locations.

360° situational awareness (SA) for all vehicle occupants and 3<sup>rd</sup> GEN FLIR sights for both the commander and gunner provide outstanding situational awareness.

### Aided Target Recognition and Tracking

### **Rapid Detection of Specific Threats**









## **MOVE.** MISSION DYNAMICS IN ALL DIRECTIONS.

In modern, near-peer warfare, mobility and adaptability are critical. Units must execute their missions, regroup, and never offer a stationary target for enemy reconnaissance, counter attacks, or airstrikes. American Rheinmetall Vehicles ideally designed and equipped the Lynx XM30 to handle these scenarios.

# 1 **Extreme Mobility**

Superior Force Protection The hull, augmented with active and passive protection systems and reactive tiles provides a high level of protection for the entire crew against anti-tank weapons, medium-caliber cannons, artillery shrapnel, IEDs and bomblets. A spall liner in the vehicle interior serves as the final line of defense. With its mine and IED protection package, the Lynx XM30 delivers the maximum protection in its weight class while maintaining its full mobility.

and ready for battle.

With a maximum speed and cross country mobility that maintains pace with the M1 Abrams, the Lynx XM30 tackles the toughest terrain, quickly transporting troops and their equipment through the enemy disruptive zone in remarkable comfort with superior protection, even over long distances.

## Premium Crew Comfort

Featuring a new Two-Soldier Crew capability with multi-functional seats and optimized ergonomics, the Lynx XM30 ensures its team reaches their objectives safely, rested,







## **STRIKE.** ARMED TO THE TEETH.

Equipped for modern multi-domain operations, the Lynx XM30's world-class armament delivers extraordinary range, precision, and penetrating power. Various modules for the platform provide added protection and firepower. Designed to operate as an adaptable, optionally manned unit, the Lynx XM30 serves as a force of one or multiplier for many. Lynx XM30 provides overmatch today and overmatch tomorrow.

1 Main Armament A state-of-the-art Lance 5030 remote turret hosts an XM913 50 mm cannon providing lethality options to meet mission requirements. Augmenting the main armament is a coaxially mounted medium caliber machine gun.

2

The crew independent weapon station enables the vehicle crew to react quickly to emerging battlefield threats, observing and engaging targets on their own, giving the Lynx XM30 a hunter-killer and killer-killer capability.

**Multi-Mission Launcher** 

This flexibility ensures that Lynx XM30 equipped platoons and companies can carry a mix of munitions tailored to meet the threats of the enemy.



### **Crew Independent Weapon Station**

Adaptable, the weapon station can mount the M2 .50 caliber machine gun as well as other light and medium machine guns and grenade launchers.

The Lynx XM30 outfitted with the Raytheon Multi-Mission Launcher can fire TOW™, Javelin, and the Coyote Block 3 loitering munition, with other effectors on the technology pathway.







## **TEAM LYNX**

Team Lynx, led by American Rheinmetall Vehicles, brings you America's next-generation Infantry combat vehicle (ICV) – the Lynx XM30. The exceptional team of U.S. companies has digitally engineered a new, lethal ICV with unmatched power and survivability, featuring a game-changing platform with a Ground Combat Systems Common Infrastructure (GCIA). This enables rapid insertion of advanced capabilities as they become available, guaranteeing overmatch today and overmatch tomorrow.

Together, Team Lynx provides what modern battle requires, what the Soldier needs, and what victory demands.

## LOCATIONS | UNITED STATES OF AMERICA



American Rheinmetall Vehicles is proud to be working with numerous additional suppliers, including small businesses, across the U.S.



American Rheinmetall Vehicles, Sterling Heights, MI, delivers next-generation defense American Rheinmetall Vehicles is part of the American Rheinmetall family of U.S. solutions in support of today's highest vehicle modernization priorities. Leveraging defense companies which includes American Rheinmetall Systems in Biddeford, ME, the global portfolio of Rheinmetall's Vehicle Systems Division, American Rheinmetall American Rheinmetall Munitions with facilities in Stafford, VA, Camden, AR and Vehicles provides advanced tactical wheeled vehicles and innovative tracked and Windham, ME, and U.S. corporate parent American Rheinmetall Defense in Reston, VA. wheeled combat vehicles.

www.rheinmetall.com/arv

## AMERICAN RHEINMETALL VEHICLES

Rheinmetall's collaborative global structure allows for the maturation and strengthening of the U.S. Industrial Base now and into the future.

www.textronsystems.com



## **TEXTRON SYSTEMS**

Textron Systems is an industry leader in unmanned land, surface and air products, services and support for aerospace and defense customers. Textron Systems brings robotic and systems integration capabilities gained from current and previous programs of records across all domains.

Additionally, with manufacturing locations in Louisiana and over 50 years of armored vehicle manufacturing expertise, Textron Systems is the U.S. based manufacturer for Team Lynx. The Slidell, LA facility has produced over 10,000 vehicles for more than 15 programs of record. With 158,000 sqft of total manufacturing space, and 30,000 sqft of warehousing, Textron Systems is proud to manufacture vehicles that support and protect our American warfighters.

## **TEXTRON** Systems

www.rtx.com



# RAYTHEON

Raytheon, one of the largest and most capable aerospace and defense companies in the world, brings to Team Lynx expertise in digital design, modeling and simulation and integration of complex systems onto platforms.

The company's extensive experience, spanning a broad portfolio of command and control, sensor and effector solutions, is leveraged in the development, evaluation and iteration of advanced system concepts.





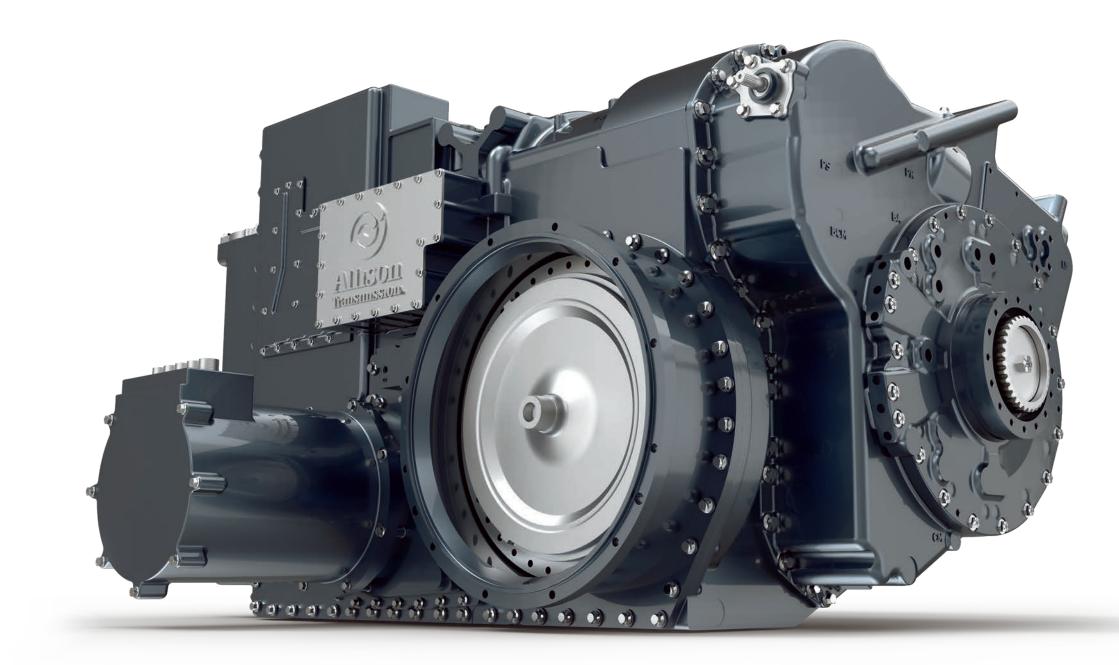
# L3HARRIS TECHNOLOGIES

In a rapidly evolving threat environment, technology that provides overmatch superiority to our nation's warfighters must move from conception to execution at the speed of relevance.

L3Harris is an agile defense technology innovator, rapidly delivering forward-looking solutions that solve customers' toughest challenges.

L3Harris' multi-domain expertise in open architecture, vehicle mission systems, cybersecurity and communications brings tremendous capability to Team Lynx. Our history using a modular open systems approach is fundamental to delivering a cutting-edge ICV with the ability to rapidly adapt as modern and contemporary threats emerge and evolve.





www.allisontransmission.com

# ALLISON TRANSMISSION

Allison Transmission is the leading designer and manufacturer of vehicle propulsion solutions for commercial and defense vehicles, the largest global manufacturer of medium-and-heavy-duty fully automatic transmissions and a leader in electrified propulsion systems that Improve the Way the World Works.

Allison products are used in a wide variety of applications, including on-highway trucks, buses, off-highway vehicles and equipment and defense vehicles both tactical wheeled and tracked. Allison will provide the eGen Force<sup>™</sup> Transmission for Team Lynx's solution that will enable electric hybrid propulsion as well as electric only silent maneuverability.





## ANDURIL

Anduril Industries provides next-generation softwaredefined, hardware enabled systems and brings its deep experience in software development, mission autonomy, systems integration and command and control to Team Lynx.

Anduril's Common Tactical Picture and control software will significantly reduce the cognitive burden for optionally manned or reduced crews to command the battle space and enable collaborative formation maneuver, and the detection, targeting and engagement of threats for IFVs and future armored combat battalions.

Anduril's Common Tactical Picture will have continuous development, integration, and delivery cycles, enabling persistent modernization for IFVs to rapidly adapt to and defeat emerging time-sensitive threats.

