

12 September 2023

Lynx KF41 Infantry Fighting Vehicle – Rheinmetall’s answer to requirements of today’s and future battlefields

From September 12 to 15, 2023, the DSEI exhibition will be held in London, UK. Rheinmetall will present its Lynx KF41 Infantry Fighting Vehicle (IFV). The Lynx KF41 is Rheinmetall's answer to the requirements of future battlefields and offers superior capabilities in terms of survivability, lethality, mobility as well as command and control. The Lynx KF41 is one of the most advanced IFVs on the market and is attracting considerable interest worldwide. Hungary is currently the first NATO country introducing Lynx KF41 into service with first deliveries taken place in 2022. Furthermore, the Lynx has reached a new milestone in the summer of 2023, being downselected by the U.S. Army for the next phases in the Bradley IFV replacement program.

Lynx KF41 - modular, flexible, future-proof

The Lynx KF41 concept comprises a complete family of vehicles consisting of the common drive module and flexible mission modules in numerous variants. This allows each basic vehicle to be configured, for example, as an infantry fighting vehicle, air defence system, command vehicle or medical vehicle. The mission module can be changed between variants throughout the life of the platform. By making the drive module identical, this system significantly reduces lifecycle costs and also allows military users to adapt force structures or develop new capabilities in a short time to react to changes on the battlefield. Lynx KF41 is characterized by high levels of survivability, mobility and combat power, as well as high growth potential, including in terms of total weight and power consumption.



The Lance 2 turret has powerful sensor systems to fully exploit the capabilities of the associated next-generation 30mm programmable ammunition fired by its main MK30-2/ABM autocannon and anti-tank guided weapons such as the advanced Spike LR2 anti-tank missile system. This allows it to engage both symmetric and asymmetric threats in a situation-adapted manner.

Lynx KF41 and Lance 2 are fully digitized and based on the NATO Generic Vehicle Architecture (NGVA). This integrates the vehicle crew, dismounts and the vehicle itself into the digitized battle management system.

► Key facts

- Rheinmetall presents the Lynx KF41 IFV at DSEI 2023 in London
- One of the most modern IFVs in the world
- Comprehensive concept for cooperation with the local industry
- Visit us from 12th to 15th September 2023 at Stand H5-110

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Improved situational awareness capabilities enable rapid and highly automated target acquisition or target transfer. It also allows integration of multispectral reconnaissance systems, including drones and loitering munitions, for target acquisition and engagement beyond the line of sight.

The Lynx KF41's modular multi-layered protection concept combines passive and active elements. The Lynx KF41 provides its crew with protection against the full threat spectrum, including improvised explosive devices (IEDs), mines, direct and indirect fire, cluster munitions and anti-tank guided weapons. With its high assertiveness and mobility, Lynx KF41 will enable forces to conduct complex military operations across the intensity spectrum in a variety of environments and against a wide range of threats.

With its large interior volume, Lynx KF41 is unmatched in its vehicle class. In addition to the three crew members, up to eight soldiers can be seated and conduct effective combat operations.

Because of its digitization and modern design, the Lynx KF41 can take on today's adversaries and offers upside potential against tomorrow's threats. The modular architecture allows reserves in terms of payload, electric propulsion and processing to seamlessly integrate further mission equipment into the vehicle or enable further variants within a single vehicle family.

Comprehensive approach includes close industrial cooperation

Rheinmetall offers comprehensive industrial cooperation concepts with its partner country's domestic industry for the production of the Lynx KF41. Hungary can serve as an example. In September 2020, the Hungarian Ministry of Defence commissioned Rheinmetall to supply combat vehicles and associated services. As early as October 15, 2022, Rheinmetall handed over the first of a total of 209 Lynx KF41 Infantry Fighting Vehicles to the Hungarian armed forces coming from its established production line in Germany.

Low-Rate Initial Production (LRIP) began in Hungary on time at the start of 2023. This pre-series production is considered an important milestone, which also includes the production of the Lance 2 medium-caliber turret and other Lynx KF41 variants. Full-rate production (FRP) has begun in summer 2023. On 18 August 2023 Rheinmetall officially opened its new factory in Zalaegerszeg. The new plant marks a major milestone for Rheinmetall and underscores the Group's commitment to Hungary. The Joint Defence Center of Excellence in Zalaegerszeg not only helps to maintain and further expand Hungary's capabilities in the development and production of advanced combat vehicles, but also strengthens the local economy.

A further milestone for the Lynx in the USA

In summer 2023 the U.S. Army awarded American Rheinmetall Vehicles (Sterling Heights, MI) and the industry leading companies of Team Lynx - Textron Systems, Raytheon Technologies, L3Harris Technologies, Allison Transmission, and Anduril Industries – a contract for the Optionally Manned Fighting Vehicle (OMFV) Phase 3 Detailed Design and Phase 4 Prototype Build and Test phases of the five-phased program, now named the XM30 Combat Vehicle program. The Army awarded a total of two contracts for Phase 3 and 4 performance. The two competitors will now complete the designs that began in the Phase 2 Concept Design phase and build at least seven and as many as 11 prototypes for Army evaluation. American Rheinmetall Vehicles and Team Lynx are developing a next-generation XM30 that achieves the Army's requirements for a combat vehicle with superior protection, unsurpassed firepower, and unbeatable mobility. Operating with other units or independently, the vehicle can sense, move, and strike in a connected, rapidly changing, complex, and lethal operational environment unlike any Infantry Combat Vehicle before.