LYNX

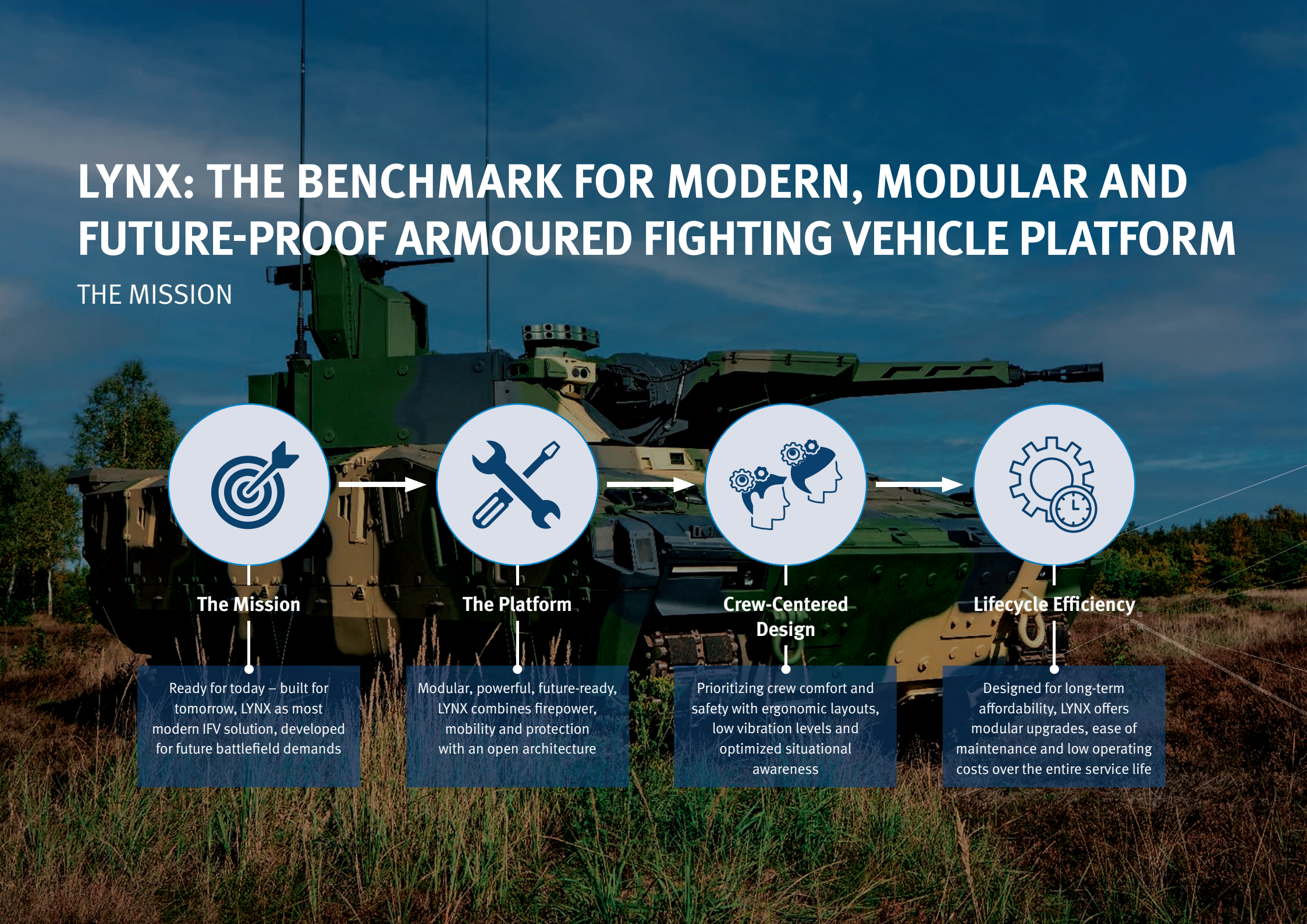
NEXT GENERATION ARMOURED FIGHTING VEHICLE FAMILY

TAKING RESPONSIBILITY IN A CHANGING WORLD

RHEINMETALL

LYNX: THE BENCHMARK FOR MODERN, MODULAR AND FUTURE-PROOF ARMOURED FIGHTING VEHICLE PLATFORM

THE MISSION



The Mission

Ready for today – built for tomorrow, LYNX as most modern IFV solution, developed for future battlefield demands

The Platform

Modular, powerful, future-ready, LYNX combines firepower, mobility and protection with an open architecture

Crew-Centered Design

Prioritizing crew comfort and safety with ergonomic layouts, low vibration levels and optimized situational awareness

Lifecycle Efficiency

Designed for long-term affordability, LYNX offers modular upgrades, ease of maintenance and low operating costs over the entire service life

Enhanced Firepower	Fielded and Growing	One Chassis – Many Missions	Maximum protected space	Ready for delivery now
LYNX is equipped to fire KETF airburst ammunition, enabling precise engagement of defilade targets and enhancing effectiveness against drones and targets in cover	Seven variants already under contract in Hungary, additional variants for Italy – including HITFACT and HITFIST turrets – to follow this year. LYNX has already entered production in Hungary, enabling regional value creation	LYNX features a common chassis with a removable roof, allowing easy integration of diverse mission modules to enable flexible, future oriented development	LYNX offers the largest protected interior volume in its class – enabling superior crew comfort and future growth potential	Stable European supply chain – fast availability, high supply security and flexible EU logistics

KEY OPERATIONAL AND STRATEGIC ADVANTAGES

THE LYNX SYSTEM HAS GROWTH POTENTIAL FOR THE NEXT 40 YEARS

MODULARITY

- Future-proof and mission-adaptable design; ready for evolving threats and integration of emerging technologies, including unmanned systems.

PROTECTION

- Scalable protection concept with modern passive and active systems ensures crew survivability in both urban and high intensity combat.

FIREPOWER

- Different turret systems deliver high precision lethality and additional advanced sensors with optionally unmanned capabilities for added protection.

INDUSTRIAL PARTNERSHIP

- Designed for localisation: enables technology transfer, domestic industrial value creation and national defence sovereignty.

INTEROPERABILITY

- Fully NATO-compatible and suited for multinational joint operations NGVA in full compliant architecture.

COST-EFFICIENT OPERATIONS

- 70% commonality in chassis components across the LYNX family significantly reduces maintenance costs, simplifies logistics and minimizes training needs for support crews.

50 TON CAPACITY DRIVE MODULE

›70% commonality (within vehicle family)

Common Drive Modules

+

Mission Modules

=

LYNX Variants

Largest protected volume in class and open electronic architecture contribute to vehicle growth potential

Modularity is achieved by a mission module concept and fully NGVA compliant architecture

Various lethality options available
European-based supply chain incl. localised ammunition

EUROPE’S ARMOURED FIGHTING VEHICLE PLATFORM OF THE FUTURE

IN-SERVICE, NATO-QUALIFIED AND READY FOR DEPLOYMENT

Due to its advanced capabilities, the LYNX is set to become the vehicle of choice for NATO partners and EU Member States.

International orders and partnerships underline the growing importance of the LYNX in the European Defence Market. Its role in the modernisation of many Armed Forces is demostrated as Rheinmetall’s LYNX continues its introduction with Customers around Europe and worldwide.

The Hungarian Armed Forces are already being equipped with seven operational variants. In Italy, the national defence industry is being strengthened with industrial partnerships between Rheinmetall and Leonardo providing the new backbone of armoured manoeuvre capability for the Italian Army. In the United States, Rheinmetall is competing in the US XM30 program with an advanced variant of the LYNX platform.

The LYNX is destined to become the vehicle of choice for NATO partners and EU member states.

READY FOR ANY CHALLENGE

THE LYNX COMBINES MOBILITY, FIREPOWER AND PROTECTION AT THE HIGHEST LEVEL

SURVIVABILITY

- Modular armour against ballistic and kinetic threats
- Highest NATO certified protection class
- Networked systems for superior tactical advantage
- Advanced sensor technology for precise threat detection

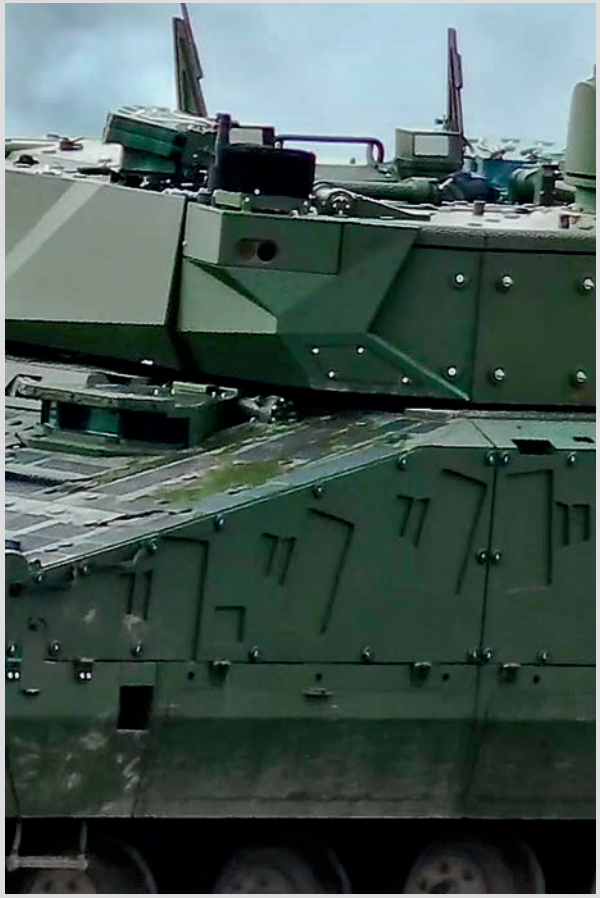
LETHALITY

- Modular weapon system for various operational scenarios with killer-killer capability: 30 mm Main gun, Coaxial MG, Heavy MG, ATGW
- 360-degree threat detection with advanced protection systems
- Innovative crew safety measures for maximum survivability
- Possibility to integrate several different turret systems

MOBILITY

- Cutting-edge propulsion systems for optimal manoeuvrability
- Optimum power-to-weight ratio for speed and stability
- Adaptive running gear for use on different types of terrain

Active Protection System – Strike Shield
Obscuring System – Rosy
Modular Protection



Advanced Fire Power
High Mobility Fire Power
Precision Fire Control System

High Speed Maneuverability
Modular Weight Concept
High Power-to-Weight Ratio

SURVIVABILITY **LETHALITY** **MOBILITY**

POWER OF VARIETY: ONE PLATFORM WITH MULTIPLE VARIANTS INCLUDING YOURS

The LYNX is a vehicle characterised by its unique modularity and scalability-features that makes it stand out in the world of modern military vehicles. These features allow the LYNX to be adapted to a variety of mission scenarios and operational requirements, making it one of the most versatile solutions for modern Armed Forces. Thanks to this modular design, the vehicle can be equipped with various mission kits to fulfil specific roles such as reconnaissance or fire support.

A key advantage of the LYNX is its weight scalability: the vehicle design allows for customisation of up to 50t. This means that the LYNX can be equipped with additional armour, active protection systems or other modules as required, without compromising mobility or operational capability.

The LYNX is therefore not only a technologically advanced combat system, but also a model of adaptable and future-oriented military technology.

MODULAR DIVERSITY FOR EVERY APPLICATION REQUIREMENT

Due to its modular architecture, the LYNX family offers a wide range of variants that can be optimally adapted to a variety of operational requirements. This modularity enables cost-efficient production and maintenance, as numerous components and systems are interoperable. This reduces both procurement costs and long-term maintenance costs. The LYNX offers outstanding efficiency and availability due to its rapid adaptability to different scenarios – ideal for modern Armed Forces that require flexibility with low overall costs.

MODULAR DESIGN AND SCALABLE CAPABILITIES FOR MODERN COMBAT REQUIREMENTS

With impressive modularity and scalability the LYNX offers a highly adaptable platform for modern armed forces. Featuring over 70% commonality within the vehicle family, it enhances efficiency in maintenance, logistics, training and ultimately reducing operational costs. The innovative 50 ton capacity Drive Module allows for flexible adaption to different mission requirements, with the Mission Module being independently configurable. Additionally, multiple lethality options are available, including various calibres of weapon systems, ensuring the vehicle can be tailored to specific threat scenarios.

IFV | **Field Ambulance** | **Recovery Vehicle** | **Repair Vehicle** | **Client Specific**

Armament | **Vision** | **Protection** | **Active Protection** | **Crew**

Rheinmetall relies on a phased industrialization concept to strengthen local value creation in the customer's country, thus guaranteeing independence and long-term availability.

LYNX KF41

Role Kit

Features

Industrialization

Your customized LYNX

LYNX FAMILY

The LYNX IFV offers maximum flexibility as it can be equipped with either a manned or unmanned turret. To reach greater distances, the HITFACT Mk II offers increased combat power with advanced technology.

TURRETED

- LYNX IFV – Lance
- LYNX IFV – UT30
- LYNX – Hitfact & Hitfist
- LYNX – Mortar Carrier
- LYNX – Skyranger

NON TURRETED

- Ambulance
- Reconnaissance
- Armoured Personnel Carrier
- Command & Control
- Driver Trainer
- Recovery
- Joint-Fire Support Team

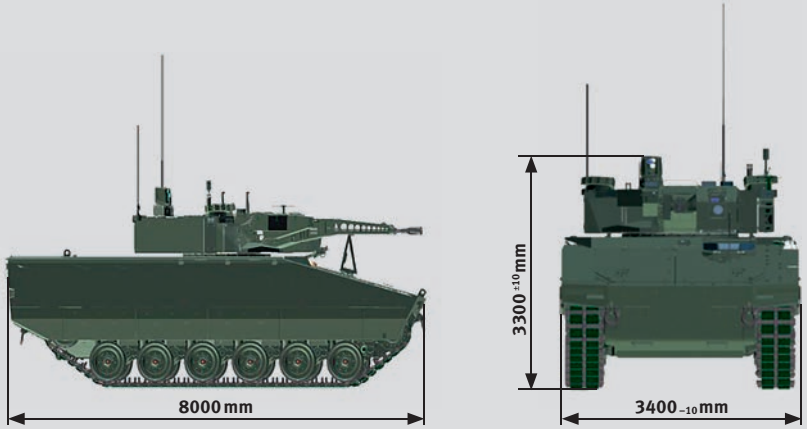
SUPERIOR MOBILITY WITH MAXIMUM PROTECTION

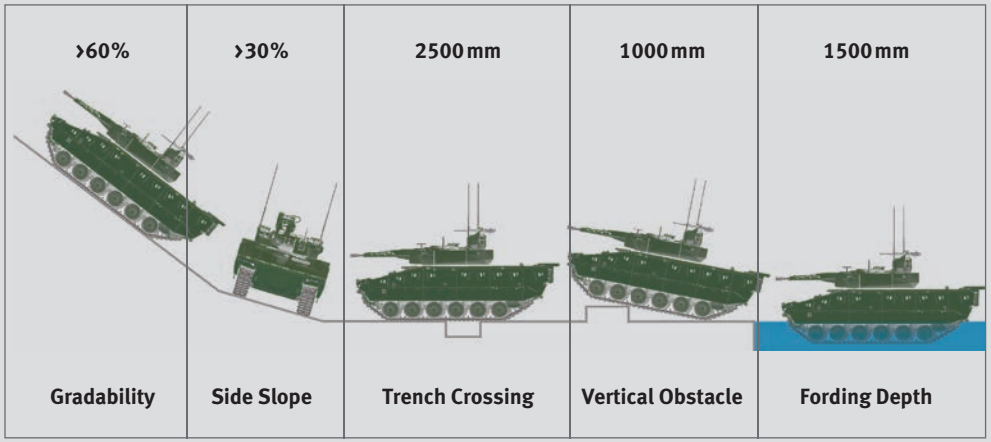
LYNX's superior mobility sets it apart from comparable IFVs. This mobility is based on a combination of state-of-the-art chassis technology, powerful propulsion and a flexible design that is specially tailored to the challenges of modern battlefields:

1 High off-road capability
The LYNX is equipped with an advanced tracked vehicle that offers outstanding performance in challenging terrain such as sand, mud, snow or stony terrain. Its ground clearance and hydro pneumatic suspension system allows it to adapt to adaptably negotiate obstacles and minimize strain on the crew

2 Powerful drive technology
With a powerful diesel engine delivering over 1,100 hp, the LYNX achieves an impressive top speed of more than 70 km/h on the road and high off road speeds.

3 Maneuverability and Agility
The LYNX excels with its tight turning radius capability, which is essential in urban and confined combat zones.





LYNX – SUPERIOR BATTLEFIELD MOBILITY-AGILITY & MOBILITY FOR ANY TERRAIN

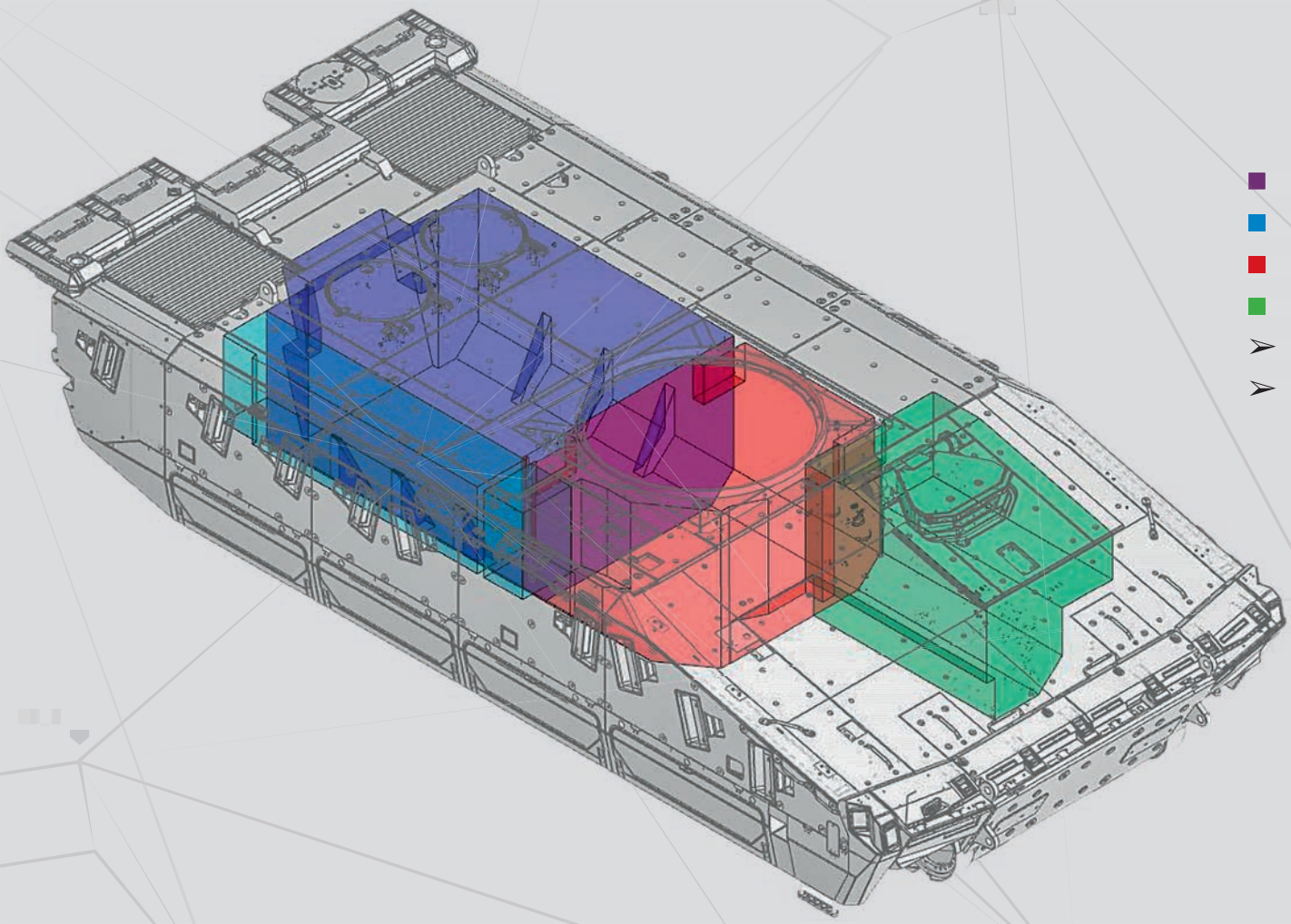
SUPERIOR ERGONOMICS – ENDURANCE AND COMFORT FOR YOUR MISSION

LYNX's superior Ergonomics sets it apart from comparable IFVs. The vehicle ergonomics ensures an unparalleled range of occupant (5th percentile female to 90th percentile male in Europe) can operate the vehicle with ease and comfort. The chassis large interior volumes not only enables greater versatility within its onboard equipment, but ensures the crew has enough free space to fight better for longer:

1 **Free Space Volume**
The LYNX is first of class in regards to its free space volume. The crew compartment of 6,43 cubic meter ensure a crew of 3 plus 8 dismounts can be fully gathered for even with an unmanned turret.

2 **Noise and Vibration Harshness characteristic**
With its latest state of the art track system, the track and noise vibrations are minimized and provide greater comfort. Thus the LYNX enables the crew to perform more effectively for long hauled and challenging missions.

3 **Stowage Capability**
Due to its high modularity and overall volume, the LYNX can accommodate and adapt to a multitude of missions by adapting the overall layout of the vehicle rapidly with the use of the C-Rail system.



Volume 1 – Crew compartment	▶	6.43 m^3
Volume 2 – Sponson right	▶	0.81 m^3
Volume 3 – Common cockpit	▶	3.35 m^3
Volume 4 – Driver station	▶	1.79 m^3
➢ Total (without V3)	▶	9.03 m^3
➢ Total	▶	12.38 m^3

SUPERIOR FIREPOWER AND PRECISION IN BATTLE

Modern Armed Forces require versatile combat vehicles for complex missions. The LYNX in its standard IFV configuration is equipped with the LANCE 2 turret and encompassing advanced electronics, sensors and weapon systems. Rheinmetall is able to continuously improve the LANCE 2 turret to provide effective responses to ever evolving threats.

Its 30 mm main gun and optional integrated anti-tank missiles ensure precise firepower for a wide range of targets. Stabilised weapon systems and precise target tracking guarantee superior responsiveness and strike capability.

Killer-killer capability: The crew can use the (in full....) MSSA and the main or secondary weapon simultaneously. This means that the commander can engage a target with the MSSA independently of the primary or secondary weapon controlled by the gunner. During combat, the commander can continue to assign targets to the gunner via target assignment.

KEY FEATURES OF THE LANCE 2 SYSTEM

- Independent observation for commander and gunner with an identification range up to 5,000 m
- Two crew hatches for all around audio-visual orientation and quick ingress/egress
- Efficient collaboration between commander and gunner through digital system
- Full integration with Battle Management Systems (BMS) including target handovers and far target location
- Easy interaction with dismounts during all operation states
- Combined manual/electrical back-up mode
- Fully stabilised sights and weapons
- Hunter-killer/killer-killer capability (enabled by Remote Controlled Weapon Systems (RCWS))

The versatile and highly modular design of the LYNX enables the integration of other turret systems apart from the LANCE 2 prime turret, allowing it to adapt to diverse mission requirements and operational needs. This flexibility ensures compatibility with both existing and future technologies, making it a highly adaptable platform for different armed forces.

Several turret variants have already been successfully integrated, including:

- **UT30** by Elbit Systems – an unmanned turret equipped with a 30 mm cannon, featuring advanced fire control systems and enhanced sensor technology.
- **Hitfact** by Leonardo – with a 105 mm or 120 mm gun, providing the capability to engage heavily armoured targets.
- **Hitfist** by Leonardo – an unmanned 30 mm turret, optimized for medium caliber engagements against infantry and lightly armoured threats.

With is modular architecture, the LYNX is not only capable of integrating these existing turret variants but also remains open to future advancements.

PROTECTS WHAT MATTERS MOST. THE SOLDIER.

The LYNX concept consists of highly advanced, comprehensive protection to defend the crew from a wide range of threats. Various protection systems are used, including active protection systems (APS), reactive armour and modular additional armour:

1 APS StrikeShield (Active protection system)

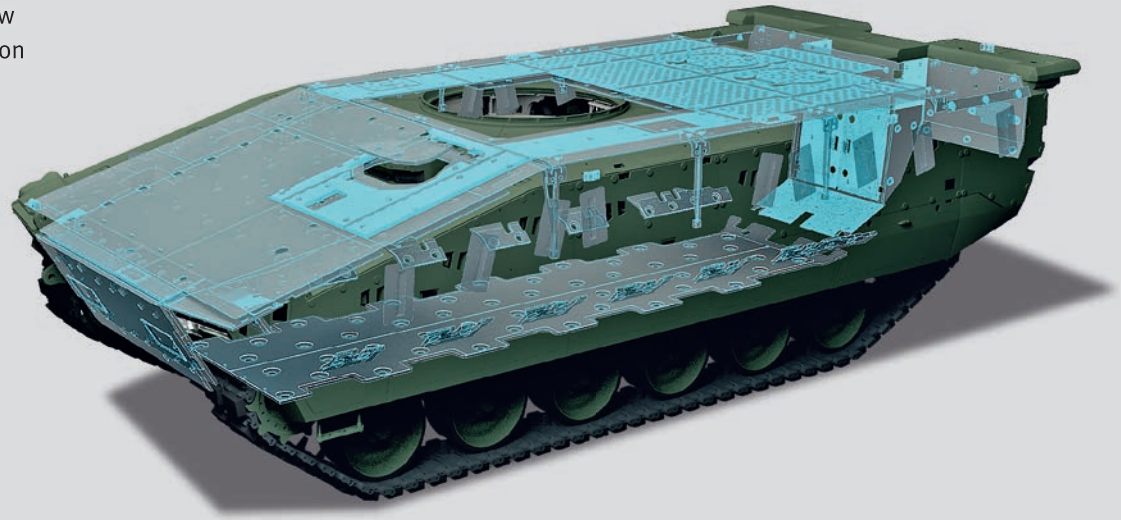
- Hardkill system, for protection against anti-tank guided missiles
- Sensors detect and calculate the time and place of impact
- The system has a short response time so that even fast attacks can be fended off
- StrikeShield is modular and can be customized depending on the threat scenario

2 Rapid obscuring system (ROSY) soft-kill protection

- Rapid Obscuring System, for protection against optical and infrared threats
- Generates a wall of smoke, making the vehicle undetectable to enemies

3 Modular protection

- Basic armour: Protection against small arms and splinters
- Additional armour: Can be reinforced with modular protection packages depending on the threat situation
- Mine protection: Improved ground armour protects against mines and IEDs




2 ROSY
1 STRIKESHIELD
3 MODULAR PROTECTION

GLOBAL SUPPLY CHAIN FOR MAXIMUM AVAILABILITY AND EFFICIENCY

HIGH FLEXIBILITY & RISK MINIMIZATION

- Diversification of supply sources (less dependence on one supplier/location)
- Shorter response time in the event of bottlenecks
- High technological progress

FAST & COST-EFFICIENT LOGISTICS

- Reduced transportation time due to shorter distances and fewer delays
- Independence and reliability in political trade conflicts
- Independence from other countries

HIGH COMPETITIVENESS

- Dual source/multi-source due to global sourcing
- Clear cost advantages
- Fulfilment of offset requirements

RHEINMETALL LOCALIZATION CONCEPT OFFERING CUSTOMERS MAXIMUM BENEFITS

ADVANTAGES OF USING A LOCAL APPROACH

Jobs: New jobs created through the creation of Joint Venture and the employment of companies

One-time purchase vs. sustainability: Local production as path to sovereign capability providing more flexibility & independence (Service & Maintenance)

Profit: Sustainable profits and increasing prosperity

Rheinmetall offers its customers advantages through extensive experience in localisation concepts.

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