



# MISSION SUCCESS

THE HX3.  
SUPERIOR. EVERY DAY.





## FUTURE TECHNOLOGIES

# EVEN BETTER THAN THE BEST.

More than 14,000 HX trucks are on the road worldwide, deployed by armed forces. They all carry a heritage that is expressed in unrivalled superiority. We have built on this heritage. In order to make the best even better, we listened to everyone who has been able to get to know and appreciate it – not only in everyday use, but also in the most extreme situations. Be it as fleet manager or as a soldier on the vehicle.

The new features of this pure military truck are very impressive. Thanks to various assistance systems, the HX3 offers soldiers and the civilian environment increased safety in everyday vehicle use and guarantees considerably more protection in theatre, for example with a completely redesigned cabin.

Fleet management also becomes simpler and more efficient. A consistently implemented fleet commonality impresses thanks to previously unattained standardised parts and functions.

All in all, this not only ensures the future viability of the HX – like its predecessors, the HX3 can go from one mission success to the next.







VARIETY OF SYSTEMS

# WHATEVER THE MISSION. NOTHING TO WORRY ABOUT.

With its even greater variety of variants and systems, the HX3 is the answer to the customer's need to own a truck that can handle a wide range of tactical roles and tasks in future scenarios.

In addition to its classic role as a logistic vehicle, which is enhanced by the availability of new systems such as the new Automated Load Handling System (ALHS) or the Universal Torsion-Resistant Subframe (UTRS), the HX3 is also, more than ever before, suitable as a system carrier. Especially carrier trucks for complex radar and weapon systems, e.g. truck-based artillery systems, will become much more important in the coming years.



# 05:21

48° 8' 21.521" N 16° 17' 51.742" E

Open the door to new challenges.  
The trucks are equipped for everything.



SITUATIONAL AWARENESS

# KNOW YOUR TERRAIN AND GET OUT WITHOUT A SCRATCH.

The highest priority is always given to safety: both that of the crew and of people in the immediate vicinity of the truck. The HX3's new technical systems provide decisive improvements, especially when used on public roads or in complex or stressful manoeuvring and loading operations. What's more, the HX3 sets new standards here for a military truck. The new protected HX3 cabin, for example, with its large

windscreen and side windows, also offers the best possible field of vision – which is second to none. The optional BirdView camera system incorporates the technological advantages of the commercial world for the military and supports the driver, especially in confined urban environments.



07:32

48° 12' 42.423" N 11° 28' 57.797" E

A speedy ride through industrial areas.  
Great all-round view thanks to the newly  
designed windows.



SOLDIER-CENTRIC DESIGN

# TOTAL CONTROL AT YOUR FINGERTIPS.

The HX3's completely redesigned cabin interior improves the ergonomics of the driver and passenger workstation and offers more practical space for the needs of the crew. Spacious storage compartments and additional fixation bars, especially above the crew's heads and in front of the seats, offer even more possibilities to stow away both C4I and personal equipment. Another particularly useful feature: The devices are now even easier to reach – exactly where the soldier needs them.

In addition to the classic blackout mode, the HX3 now also has a new digital blackout mode. If necessary, this disables all transmission and reception functions to reduce the vehicle's digital signature.





09:43

51° 15' 13.029" N 6° 47' 6.756" E

Everything under control.  
And still in the middle of the action.

ENHANCED MOBILITY

# NO WAY IS NOT AN OPTION.

Thanks to advanced technologies, nothing can stop the HX3. Neither the most brutal terrain nor hindrances off-piste. Like its predecessors, the HX3 is designed as a pure military truck. Thanks to its robust chassis concept combined with powerful military engines, it is able to cope with all emerging requirements – anytime, anywhere.

A new optional active suspension system on the rear axles greatly improves the truck's on-road and off-road mobility. Various driving modes, the driving level control option and active damping also help to consistently cushion the shocks and vibrations of demanding off-road use.

10:14

27° 34' 54.074" S 152° 52' 30.983" E

This is pure military truck feeling.  
We're making rapid progress.







FRONTLINE DEPLOYMENT

# DROP YOUR SUPPLIES. RIGHT FROM THE CABIN.

The all-new Automated Load Handling System (ALHS) revolutionises logistics on the battlefield by allowing a single soldier to operate the system from within the cabin. Even better: In addition to faster loading and unloading, both containers and flat racks can be loaded without the need for manual support – even from less than ideal angles and on uneven surfaces.

For tactical scenarios and the further automation of military operations, all HX3 vehicle functions can be prepared for optionally-manned operations. In combination with a digital interface, the HX3 can either be controlled remotely or operated with a military autonomy kit. Simply put, the logistical and tactical applications of the HX3 are almost infinite.

13:27

52° 42' 41.392" N 2° 28' 20.181" W

Works great. Loading and unloading trucks has never been easier.





X3 8x8





# 16:03

59° 56' 0.842" N 10° 58' 42.351" E

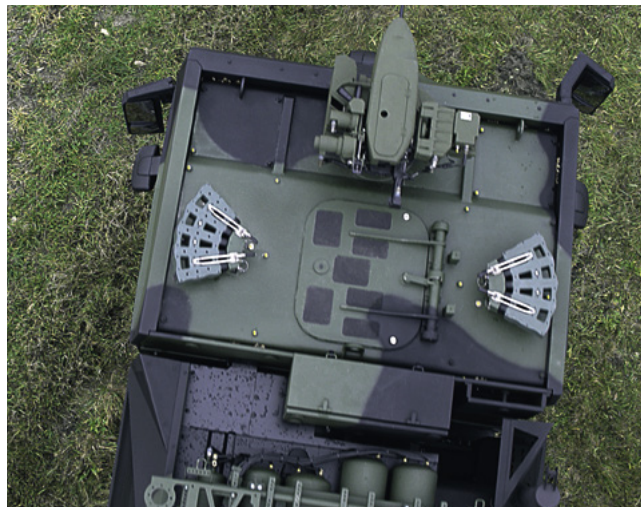
Absolutely strong.  
With the new, safe cabin in the field.



INCREASED SURVIVABILITY

# STAY COOL IN EVERY HOT ZONE.

Both interior and exterior have been updated with the new truck generation. The HX3 is full of life-saving solutions when it comes to the protection of soldiers. Based on a common basic armour cabin, modular armouring concepts also allow the protection level to be flexibly adapted to individual requirements.



## 1 Improved Protection

Thanks to an innovative design and a reinforced cabin structure, the new Integrated Armour Cabin (IAC) offers now even more protection against mine and IED threats.

## 2 Perimeter Defence

For active self-defence, the reinforced roof can now also accommodate high-calibre weapons and offers more options for installing additional active/passive protection systems such as Rheinmetall's ROSY (Rapid Obscuring System) and ADS (Active Defence System).

PURE MILITARY TRUCK

# EXTREME CONDITIONS. THE HX3 MASTERS ALL CHALLENGES.



19:42

57° 44' 37.144" N 14° 10' 1.505" E

The truck has to take a lot.  
Fortunately we don't notice any of this.

The new Universal Torsion-Resistant Subframe (UTRS) decouples the torsion forces between the flexible HX chassis and sensitive truck bodies such as radar shelters, weapon systems or containers in a highly impressive manner. The result: superior payload capacity with minimised height and system weight.





## ADVANCED DRIVING ASSISTANCE SYSTEMS

# WHEN YOU'RE FEELING TIRED, HX3 STAYS AWAKE.

At some point, when soldiers' senses are weakened after a tough mission, the HX3's new, numerous Advanced Driving Assistance Systems (ADAS) become all the more important. Not only do they ensure safety in a moment of inattention, but they also help to reduce driver fatigue and stress over the entire duration of the mission – thus increasing road safety.

Even the way to autonomous driving is already perfectly paved in the HX3. A completely redesigned electronic and electrical (EE) architecture as well as assistance systems such as Emergency Brake Assist (EBA), Adaptive Cruise Control (ACC) and Lane Departure Warning (LDW) ensure the future viability of the vehicle. Together with a standardised interface, they form the decisive basis for the truck's automation and the effortless integration of technologies available in the future to enable truck platooning or other automated and in a next step autonomous usage scenarios.

22:43

45° 17' 5.551" N 73° 16' 14.023" W

A long day comes to an end.  
We are relieved that new assistance systems  
are making the journey back safer.









### Equipment Package

Cargo/Cargo with Crane

Hooklift

Tanker/Tipper

System Carrier

Recovery

Light/Heavy Equipment Tractor



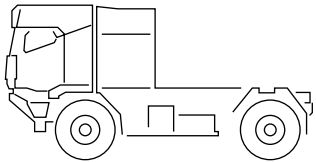
## FAMILY OF VEHICLES

# ALWAYS DIFFERENT, ALWAYS THE SAME.

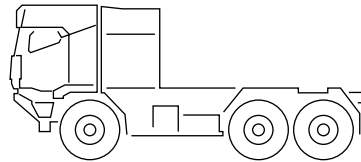
Fleet commonality is a practical reality. Thanks to the consistent implementation of standardised parts and functions for the HX3, one mechanic can work on the entire fleet – from a 4x4 to a 10x10. The same applies to the training of soldiers on the vehicle because the functions are also the same throughout, both in the protected and

unprotected variants. The concept of “train as you fight” is impressively implemented here. Uniform standards and standardised parts also make the maintenance of each individual truck and the entire fleet more efficient.

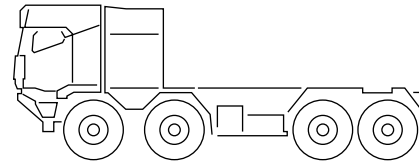
**HX3 4 x 4**



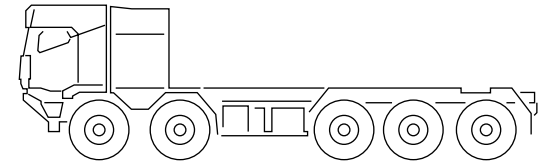
**HX3 6 x 6**



**HX3 8 x 8**



**HX3 10 x 10**



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THIS IS US

# PASSION FOR TECHNOLOGY.

Our success story in the field of security and defence technology has a robust foundation: we are part of the Rheinmetall Group. The integrated technology group stands for a substantial, internationally successful company with two main pillars: outstanding mobility and threat-oriented security technology. This is the origin of our expertise, our knowledge and our future potential.

As Rheinmetall, we are not only a sought-after and reliable partner of the armed forces. In fact we are Europe's leading system supplier and a unique system provider. Part of our claim is to constantly set new technological standards: starting with the vehicle, protection and weapons systems, infantry equipment and air defence, to the networking of functional chains and the fields of electro-optics and simulation. High-tech to protect soldiers in action – this is the mission of Rheinmetall.





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