



STRONGPARTNER

RHEINMETALL – SYSTEM SUPPLIER FOR MEDICAL SERVICES

COMPREHENSIVE CAPABILITIES FROM A SINGLE SOURCE – FROM TRAINING TO DEPLOYMENT

PASSION FOR **TECHNOLOGY.**

 **RHEINMETALL**

For decades, the technology group Rheinmetall has been a reliable partner for medical services and offers a comprehensive range of services in all essential facets. This range includes:

- Tactical and logistic vehicles
- Medical infrastructure incl. development and integration of medical conversion kits
- Training: virtual, constructive, live
- Digitization & leadership
- Protection systems of all kinds (active/passive, lethal/non-lethal and many more)

This means that even complex systems can be made available to the medical service as a user from a single source.

PROTECTED MEDICAL VEHICLES

Tactical mobility and logistical support for armed forces are key elements of Rheinmetall's capability profile. A wide variety of medical platforms can be realized with our wheeled and tracked vehicles. Here, the focus is on protection and mobility. Rheinmetall is constantly refining its vehicle platforms, resulting in the optimized Fuchs Evolution armoured transport vehicle in a high-roof variant:

1. Performance-enhanced engine: 455 hp and 2,200 Nm drive power
-> Ability to follow armoured vehicles in heavy terrain
2. Extensive modernization: improved driver's compartment and digital on-board electronics
-> Improved ergonomics for the crew
3. Optimized volume: increased height of the transport compartment to 1.6 m
-> Increased volume for specific medical equipment
4. Improved wounded-passengers capacity: two sitting and two lying wounded
-> Increased wounded transport under protection



TRAINING AND SIMULATION

Training serves as optimal preparation for deployment. Thanks to various technological approaches, reality can be depicted in an as scalable and realistic manner as possible. This is where Rheinmetall can provide support through education and training in the field of preclinical training and simulation. In a realistic operational environment, the medical forces can be prepared for the upcoming challenges in tactical care for the wounded in complete training and simulation centres, true to the motto "train as you fight".

The medically highly qualified soldiers from regular care need to be integrated into the military training service as time-efficiently as possible. With a wide range of products, Rheinmetall supports soldiers from the medical service who provide care for the wounded in the upstream treatment facilities under extreme conditions.

Thanks to decades of experience in the field of live combat simulation at the German army's combat training centre and using already existing, introduced technologies in the field of live simulation, the respective teams can:

- Work on correct tactical behaviour.
- Train the processes and especially team communication.
- Prepare for their role in the rescue chain.

Rheinmetall offers a broad product portfolio, ranging from e-learning apps for medical devices to the operation of complex training and simulation centres.



DIGITIZATION OF THE RESCUE CHAIN

In scenarios with a mass casualty incident, a complete digital picture of the situation made up of a wide range of sensors and medical data significantly increases the treatment capacity of the medical forces deployed: This frees up capacities for the patient to be treated. A digitised rescue chain can help the medical service make decisions faster and more effectively. Autonomous systems can be directly integrated and capacity bottlenecks can be eliminated when transporting the wounded. The medical service is directly integrated into the command and information systems of the troops to be supported and is thus always on a par with the land forces.



MEDICAL INFRASTRUCTURE, CONVERSION KIT DEVELOPMENT AND EQUIPMENT

With the affiliation of Zeppelin Mobile Systeme GmbH (ZMS) to the Rheinmetall Group, we have the in-house capabilities in the area of special shelters and for the development and manufacture of turnkey utility facilities. ZMS is a leader in the provision of turnkey mobile and stationary medical facilities, delivered a Role 2 mobile facility to a foreign client last year, and is also now supporting Ukraine with a similar system. In addition, ZMS also offers solutions for medical conversion kits for vehicles and infrastructure of all kinds. With the acquisition of ZMS, Rheinmetall is supplementing its portfolio in a targeted manner in order to position itself consistently and even more comprehensively in this key international market.

PROTECTED AND HIGHLY MOBILE MEDICAL TREATMENT FACILITIES

The provision of medical services to the mechanised forces places particularly high demands on the medical service. On the one hand, it is necessary to ensure the high level of emergency medical and emergency surgical care with high-quality medical technology. On the other hand, the tactical characteristics of the mechanised forces must be taken into account: Protection and mobility play the crucial role here.

Rheinmetall offers all capabilities from a single source:

- Protection: as a system supplier for all kinds of protection (active, passive, lethal/non-lethal, etc.), we offer expertise for any challenge to protect forces.
- Supplier of the Bundeswehr’s largest truck family: With the HX2 as the carrier vehicle of the unprotected transport vehicle (>3,300 vehicles introduced) as well as the interchangeable loading system (framework agreement for 4,000 vehicles; protected and unprotected), there are not only advantages in terms of quality, but also numerous advantages and synergies for logistics, training and recognition value for the user due to a high number of vehicles introduced.
- Manufacturer of medical treatment facilities (mobile & stationary)



Protected, → → →



highly mobile, → → →



medical treatment facilities

Rheinmetall AG

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