

Maximum safety for your
soldiers: effective protection
for armored vehicles.



RUAG 

BALLISTIC PROTECTION

For sovereign security.



Saving soldiers' lives

THE NATURE OF ARMED CONFLICTS HAS CHANGED: SCENARIOS INVOLVING THREATS AND DIFFERENT DEPLOYMENTS HAVE BECOME MORE DIVERSE, AND HYBRID CONFLICTS HAVE GAINED IN IMPORTANCE.

This change also varies in line with the demands in terms of the safety of emergency forces. We have developed high-tech systems to completely and effectively protect armored vehicles in a way that is customized and tailored to the specific operation at hand.

Our solutions offer comprehensive protection against small and large caliber munitions, anti-tank grenade launchers, guided missiles, improvised explosive devices, and mines. Because soldiers in armored vehicles must be well protected against a wide variety of threats – it is a matter of life and death.

Tailored solutions for armored vehicles

➤ Based on the experience of several decades, we develop effective ballistic protection solutions for new and existing platforms – for the best possible protection of the crew in every threat situation.

Regardless of manufacturer and platform, we offer lightweight and modular add-on components as well as effective upgrade solutions for protection against symmetric and asymmetric threats. Due to many years of expertise in connection with maintenance and value enhancement programs, we know vehicle structures and materials inside out. In order to develop the best possible solution for every requirement, we maintain close partnerships with a wide range of OEMs – from planning and qualification to realisation. Always with the aim of guaranteeing the best possible protection for the crew.



COMPREHENSIVE PRODUCT PORTFOLIO

With our broad portfolio of state-of-the-art systems, we can offer effective protection for the entire vehicle.



INDIVIDUAL CONSULTING

Looking after our customers is vital to us – we provide you with individual advice and focus on your specific needs.



OPERATION-SPECIFIC SOLUTIONS

Whether it is large-caliber ammunition, missiles or mines: Our products are specifically tailored to meet our customers' requirements.

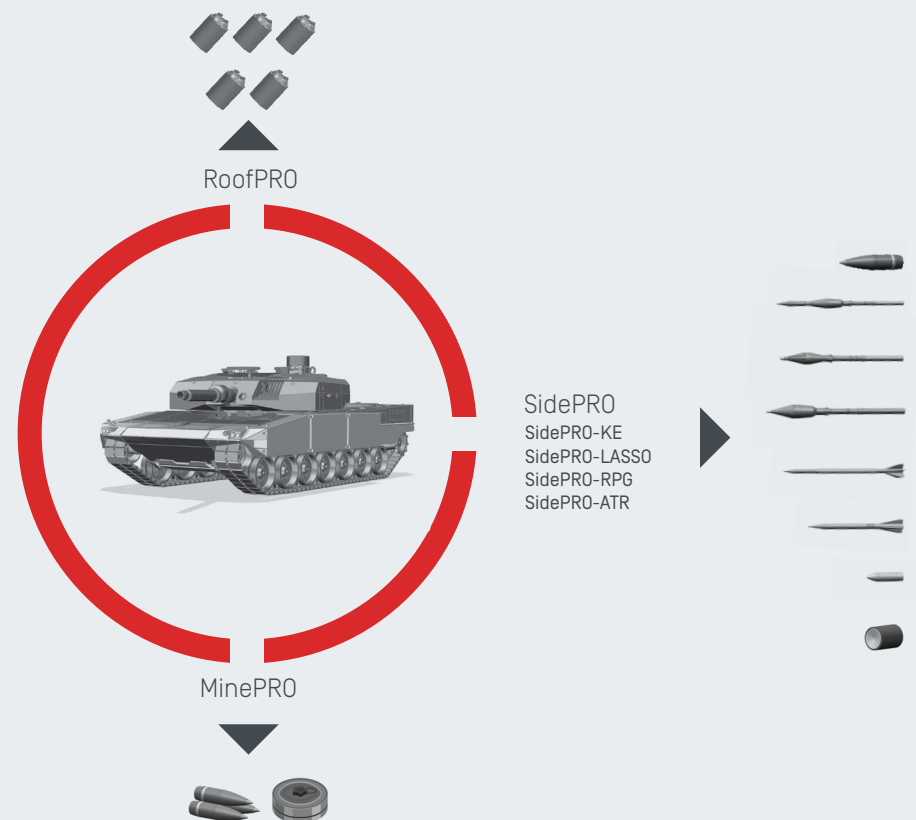


Leopard 2 A4 with SidePRO-ATR

➤ All-around ballistic protection

ROOF PROTECTION RoofPRO

For the protection of armored vehicles against artillery bomblets RUAG has developed the RoofPRO system, which can be installed on existing vehicles. The RoofPRO roof protection offers high protection against multiple hits without affecting the vehicle's functionality. It can be adapted to almost any vehicle structure and is characterized by its low weight.



MINE PROTECTION MinePRO

RUAG has designed the MinePRO system to protect armored vehicles against mines. The system provides protection against armor-piercing projectiles (APs), improvised explosive devices (IEDs), anti-tank mines and explosively-formed penetrators (EFPs). In addition to the mine protection shield, we ensure that the crew compartment is also protected against mine strikes. The system offers the highest level of protection and impresses due to its low weight.



SIDE PROTECTION SidePRO

RUAG has developed SidePRO systems for the side protection of armored vehicles. Depending on each specific system, these entirely passive protection solutions can be integrated onto the vehicle structure or retrofitted as an add-on solution. All SidePRO systems are scalable and can be customized to meet customer requirements and the expected asymmetric or symmetric threats.

SidePRO-LASSO

The SidePRO-LASSO side protection system provides adaptive protection against the widely used RPG-7 anti-tank grenade and similar threats. The system is characterized by its high functionality and its effective protection against multiple hits.



SidePRO-RPG

SidePRO-RPG side protection system is suitable for medium and heavy vehicles and protects against the widely-used RPG-7 anti-tank grenade and similar threats. The system offers high coverage and effective protection against multiple hits.



SidePRO-KE

The SidePRO-KE system is a passive, multi-purpose composite protection system against armor-piercing projectiles (APs), improvised explosive devices (IEDs), artillery splitters and explosively-formed penetrators (EFPs). It can be adapted to each vehicle's shape and offers effective protection against multiple hits.



SidePRO-ATR

This polyvalent protection system is suitable for use on armored personnel carriers, combat tanks and other personnel transport vehicles. It provides effective protection against anti-tank missiles, guided missiles, medium to large caliber KE projectiles and large improvised explosive devices (IEDs). The advantages of this system can be seen in its high protection against multiple hits.



Effective protection for all missions

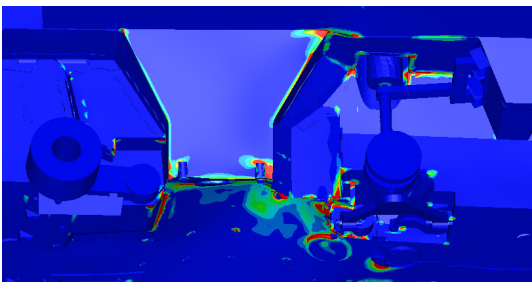
➤ Our effective ballistic protection solutions offer 360 degree protection against a wide variety of threats and lay the foundation for successful missions. Armed forces worldwide rely on our ballistic protection solutions.

FROM DEVELOPMENT TO IMPLEMENTATION – A REFERENCE PROJECT

➤ 360 DEGREE PROTECTION FOR THE PANDUR 1 6×6 FLEET OF THE BELGIAN ARMED FORCES

RUAG's tailor-made solutions offer 360 degree protection against different kinds of ammunition, grenades, anti-tank missiles, mines and IEDs. Particular attention was also paid to the ergonomics inside the vehicle. The modernized armored vehicle impresses with improved interior ergonomics and mine protection thanks to state-of-the-art mine protection seats.

The modernization is implemented in all three vehicle variants (reconnaissance, maintenance and ambulance vehicles). The Belgian Armed Forces' vehicles are thus fully protected against all expected threats.



Development including qualification



Side Protection SidePRO-KE



Mine Protection MinePRO



Side Protection SidePRO-LASSO

RUAG Ltd

Allmendstrasse 86

3602 Thun | Switzerland

Phone +41 58 483 74 94

landsystems@ruag.ch

ruag.ch/protection