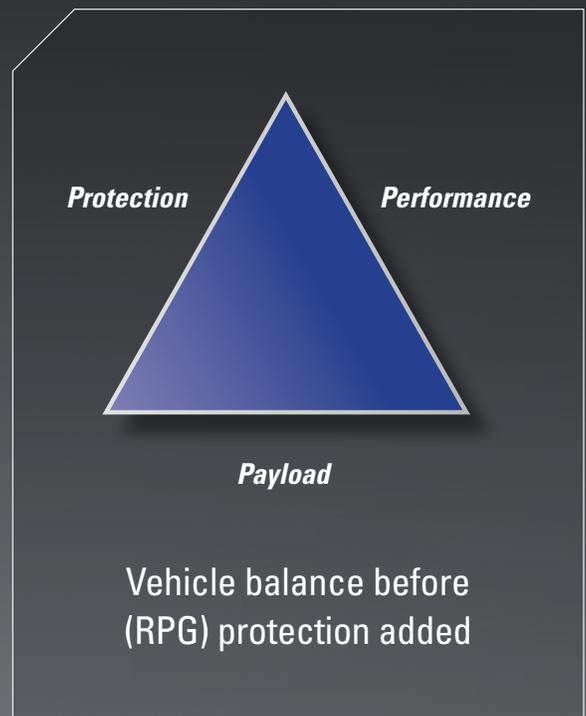


## PROTECTION WITHOUT SACRIFICING PAYLOAD OR PERFORMANCE

### Tarian® Rocket Propelled Grenade (RPG) Armor

The 'Iron Triangle' has long been the curse of the vehicle manufacturer. Trying to identify the delicate balance between protection, payload and performance to best meet your customers requirements is a major challenge. Tarian® Rocket Propelled Grenade (RPG) Armor is the world's lightest, most highly effective RPG protection system, offering military vehicle manufacturers RPG protection without compromising payload and performance. A strong development partnership between the vehicle manufacturer and AmSafe Bridport enables the most efficient system solution to be created, with the potential for a total system weight as low as 5.7 kg/m<sup>2</sup> (1.2 lbs/ft<sup>2</sup>) of armor coverage.

*Increase Protection, Increase Performance,  
Increase Payload*



## Increase vehicle load capacity

The patented Tarian RPG armor flexible system weighs from, 5.7 kg/m<sup>2</sup> (1.2 lb/ft<sup>2</sup>) and provides weight savings of up to 80% when compared to traditional bar armor systems, up to 50% of the weight of other "lightweight" solutions and up to 90% lighter when comparing a square meter panel of Tarian to the same area of aluminum bar armor.

The weight saving potential of Tarian, for vehicles currently fitted with RPG armor, can restore your vehicle performance, improve reliability, reduce maintenance down time, or be used to enable additional equipment and protection to be added elsewhere on the vehicle.

## Improve mobility, improve reliability

It is no surprise that removing weight will increase the mobility and reliability of your vehicles. Your customers are uncompromising in their desire to have maximum payload, protection and performance, and by specifying Tarian, you can exceed their expectations.

## Aligned to you, aligned to your customer

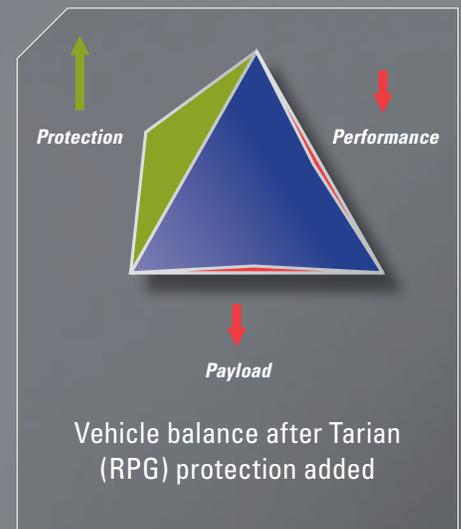
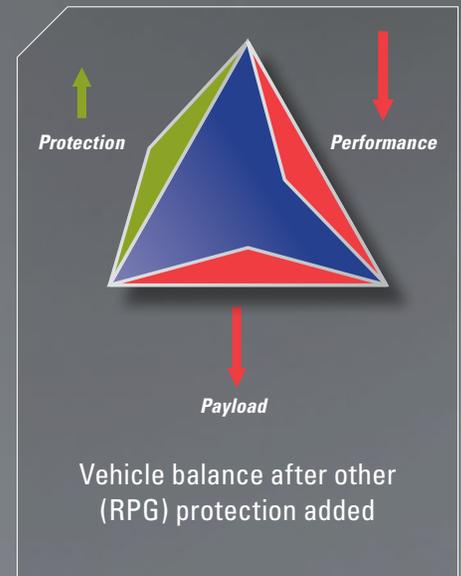
Tarian has been developed to meet the requirements of the military customer, while recognizing the constraints imposed on the vehicle manufacturer. The system includes cost effective training solutions, and damage reducing Swing Arm Brackets. Weight and performance has always been at the heart of the development which provides a huge advantage to the vehicle manufacturer. Our aim is to meet the needs of both key stakeholders.

## Protection for lightweight vehicles, maximize their utility

Tarian allows your lightest vehicles to be protected from RPG's. Until now, these vehicles could not bear the weight of RPG armor systems. Fitting Tarian increases the operational scope of these vehicles by enabling them to be deployed in high-threat RPG environments. The Tarian solution can be used across your entire vehicle range.

## Working Together – for the best solution

Through the development of a wide variety of Tarian RPG armor vehicle applications, AmSafe Bridport has built extensive vehicle integration engineering capabilities. Our experience demonstrates that a collaborative partnership produces the most efficient Tarian RPG armor solution. From initial capture of system requirements to the delivery and support of the program, AmSafe Bridport will manage your project to ensure that your Tarian RPG armor system is delivered on schedule and in accordance with agreed performance requirements.



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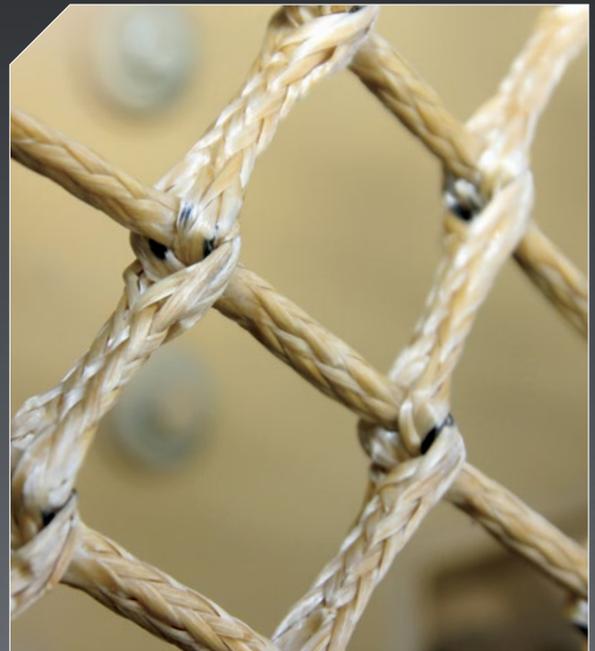


## THE COST EFFECTIVE SOLUTION

### Tarian® Rocket Propelled Grenade (RPG) Armor

Tarian® Rocket Propelled Grenade (RPG) Armor is the most cost effective way of protecting your vehicles from RPG's. Every aspect of Tarian has been designed to offer superior performance with the minimum whole life costs.

- ⊗ Ultra-light = improved vehicle fuel consumption
- ⊗ Lightweight and low volumetric footprint
- ⊗ Swing Arm Brackets reduce damage and associated costs
- ⊗ Common Swing Arm Brackets reduce logistics support
- ⊗ Simple to fit and maintain with low training burden
- ⊗ Training solution up to 70% cost saving compared to operational system



## Owning Tarian saves money

Military equipment is expensive to own; the logistics of moving it around the world, the training burden; damage and repair costs; spares and other hidden expenses all contribute to ownership costs. Offering improved vehicle fuel efficiency, reduced logistics burden and repair costs, common Swing Arm Brackets to minimize spares costs, Tarian has been thoughtfully designed to be more cost effective than other solutions across all of these cost drivers.

## Training solution up to 70% cost saving

AmSafe Bridport's simple training solution comprises an identical Tarian mounting system but utilizes a commercial net, representative of mesh size, net weight and color. This provides a highly realistic but cost effective training solution for non-operational vehicles. To convert a training system to an operational system simply involves detaching the Tarian Training Net and replacing it with a Tarian Armor Net.

## Swing Arm Brackets reduce damage

Military equipment sustaining damage during operations and training is an expensive fact of life. The Tarian RPG armor system incorporates the innovative common Swing Arm Brackets which allow the system to survive impacts that would render other systems un-serviceable. This simple concept reduces the quantity of spares required, reduces vehicle downtime, reduces maintenance and repair time, and saves cost.



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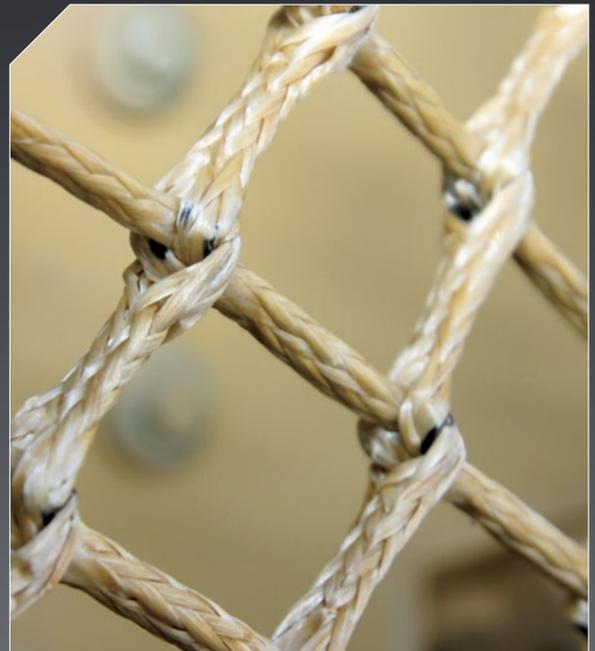


## ↘ THE OPERATIONALLY EFFECTIVE SOLUTION

### **Tarian® Rocket Propelled Grenade (RPG) Armor**

Tarian® Rocket Propelled Grenade (RPG) Armor improves the operational effectiveness of troops and vehicles. From a reduced logistics burden to ease of use, from damage mitigation to increased vehicle availability; Tarian has been thoughtfully designed to address the operational constraints that military forces experience with other RPG protection systems. AmSafe Bridport's attention to detail on all of the desirable operational characteristics for an RPG protection solution has ensured that Tarian's core strengths of light weight and high performance is complimented by unique design features aimed at delivering exceptional operational benefits.

*Improved protection for your troops*



## Swing Arm Brackets – mitigate damage, save cost

Less damage means more vehicles available for operational and training use. Tarian nets are highly robust and able to withstand the rigors of the battlefield. The Tarian proprietary Swing Arm Bracket technology has been designed and extensively field trialled to enable Tarian to withstand physical impacts and abrasion that would severely damage other systems. That said, consider the consequential effects of vehicle damage; lost vehicle availability, reduced protection levels, curtailed missions, workshop time and man hours, procurement of spare parts, shipping the parts to theatre, getting them to the workshops. All these issues are minimized by using AmSafe Bridport's Swing Arm Bracket technology.

## Solving the strategic transport headache

Military vehicles are designed to go onto strategic transport, be it aircraft or ship. Other RPG protection systems use rigid brackets and frames and the additional vehicle width means that the system must be removed prior to embarking on strategic transport. Tarian Swing Arm Brackets which snap flat against the vehicle, enables the entire system to be folded flat within minutes and driven on to the aircraft or ship. Once in theatre it takes just minutes to fold the system out, ready for action.

## Simplicity – reducing maintenance and repair burdens

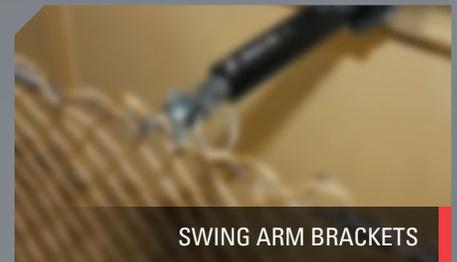
With Swing Arm Brackets your maintainers will be conducting fewer repairs. But even Swing Arm Brackets will get damaged in severe impacts. However, it is most likely that only the Swing Arm Bracket will need replacing. The Tarian armor is likely to be undamaged. Common parts and modular construction mean that damage is very localized, minimizing the area that needs to be replaced, making the process quick, simple and cost effective.

## Common Swing Arm Brackets across all vehicles

Regardless of the vehicle type: combat vehicle, combat support vehicle, or logistics vehicle, utilizing common Swing Arm Brackets brings many benefits. Common Swing Arm Bracket types enable squadrons of mixed vehicles to carry minimal spares but cater for every vehicle type, patrols can carry a low number of spares but fix every damage combination. This keeps your most valuable investments, your crews and vehicles protected.

## Easy to Fit and Replace

Tarian Nets can be fitted or removed from the Swing Arm Bracket system within minutes without the need for special tools or technical skills. Unlike other systems, access to the vehicles for maintenance is unimpeded.



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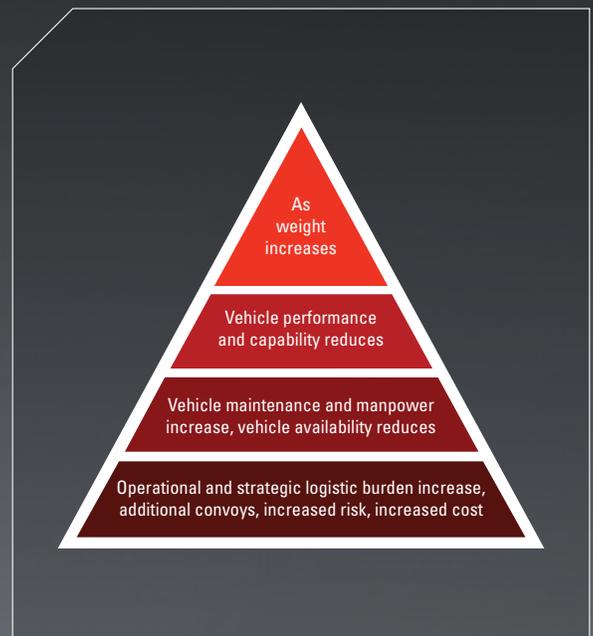


↓ **THE ULTRA LIGHTWEIGHT SOLUTION**

**Tarian® Rocket Propelled Grenade (RPG) Armor**

Tarian® Rocket Propelled Grenade (RPG) Armor is the world's lightest RPG Protection System, removing hundreds of pounds of unnecessary weight from already overladen military vehicles. With the Tarian Armor Net weighing just 0.016 lbs/ft<sup>2</sup> (0.8 kg/m<sup>2</sup>) system weights as low as 1.2 lbs/ft<sup>2</sup> (5.7 kg/m<sup>2</sup>) can be achieved for complete vehicle solutions.

***Tarian – Cost neutral or Cost decrease  
Ask us how***



## The curse of vehicle weight

Additional vehicle weight causes many problems. Vehicle capability and mobility are reduced, vehicle maintenance increases and therefore manpower and costs increase. Vehicle availability reduces with a commensurate reduction in operational effectiveness. Furthermore, the operational, strategic, and tactical logistic burden increases which causes a dramatic increase in risk and hidden costs. By utilizing Tarian RPG protection, the weight burden can be reduced significantly.

## Restore your vehicle's tactical mobility

Tarian can improve vehicle mobility and help in returning the vehicle to its original capability standards. This includes increased mobility, top speed, range, power to weight ratios, climb angles, and payload.

## Protection for the lightest vehicles

Tarian allows the lightest vehicles to be protected from RPG's. Until now, these vehicles could not bear the weight of RPG armor systems. Fitting Tarian increases the operational scope of these vehicles by enabling them to be deployed in high-threat RPG environments.

## Save fuel, save money

Through removing hundreds of pounds of unnecessary weight, the vehicle will show improved fuel consumption. With fuel in theater costing up to \$400 per gallon, even a moderate improvement in fuel efficiency will show considerable cost savings. A mere 5% fuel saving is likely to save \$70,000 per vehicle within 6 months.



- ⊕ 1" SLAT Armor Weight – 3622 lbs (1643 kg)
- ⊕ Tarian System Weight – 550 lbs (249 kg)
- ⊕ **Weight Savings – 3072 lbs (1394 kg)**

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