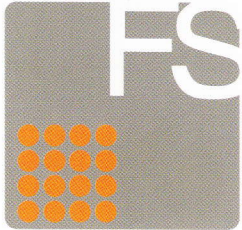


**FUSOLVE ARMOUR TECHNOLOGY**



[fusolve.com](http://fusolve.com)

## **FUSOLVE TECHNOLOGIES PRIVATE LIMITED**

Fusolve and its technology partners have more than 80 years of combined experience in development, design and application of Passive, Reactive and Hybrid Armour systems, to enhance the protection level of combat platforms. The system designs are based on the state of the art lightweight protection technology, confirming to protection STANAG 4569 levels 3, 4 and 5. These technologies have been fielded for over thirty years, by the US, European forces, NATO countries, peacekeeping units and other customers worldwide, and are combat proven.

### **Protection and Survivability**

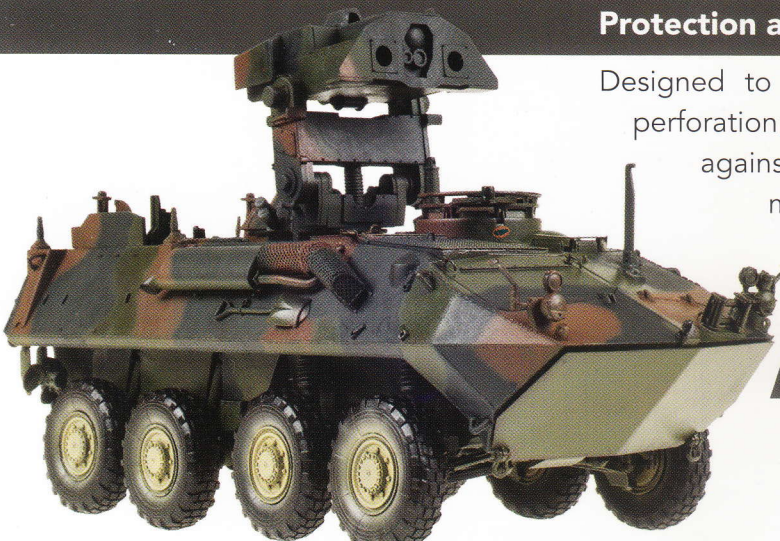
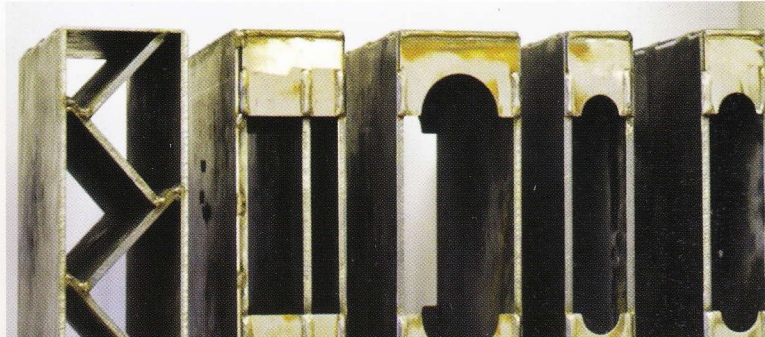
Designed to absorb energy of threats and to prevent perforation, these add-on armour enhances protection against projectiles, artillery and IED fragments. The modular, lightweight Armour solution can be quickly installed or removed according to the mission.

### **Mobility and Performance**

#### **Passive Armour Meets Customers' Requirements**

Fusolve can customize various types of passive armour technologies - Ceramic, Metallic as well as Composite, as shaped, spaced and laminated configurations for combat vehicles according to the client's needs.

Operational in temperature extremes, the armour modules have been tested to ensure the protection level is not degraded even after armour modules are subjected to harsh environments.



Lightweight solution

Weighs dramatically less than a conventional liner

Simple to deploy by vehicle crew

Removable

Stores quickly and requires little space

Increased survivability and passenger protection

Significantly reduces spill cone angle



## Our Research & Development team can design composites with the following combinations

### Titanium special alloy + Low weight

- High armour resistance
- Ease of use
- High survivability
- High Price

### Ultra high molecular weight polyethylene + Average survivability

- Ease of use
- Very low weight
- Low heat conductivity. (Improved masking in the infrared range)
- High price

### Aramid (for domestic reservation) + High fragmentation resistance

- Average weight
- Improved heat resistance in both positive and negative ranges.
- Low heat conductivity. (Improved masking in the infrared range)
- High price

### Ceramics based on Carbide Bora + Low weight

- Low thermal conductivity
- High armour resistance
- High price Low survivability

### Ceramics based on Aluminium Oxide + Average weight

- Low thermal conductivity
- High armour resistance
- Average price Low survivability

### Special armoured steel

- High survivability
- Ease of use
- Low price
- Significant weight

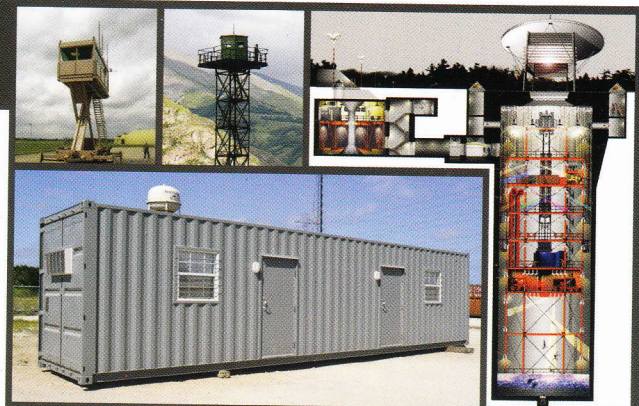
## Strength and Fortification

### Blast Proof Combat Stations and Mobile Bunkers for Army

Fusolve range of Combat stations offer protective fortification systems with protection solutions conforming to STANAG 4569 levels 3, 4, 5 & beyond.

Advanced ergonomics allows troops in the post to respond rapidly.

The combat station / posts were developed according to the developing needs of army and other security organizations and include many lessons learned from real life situations faced by security units.



- ◆ Multi-purpose protection solutions
- ◆ Bullet proof observation towers
- ◆ Mobile ballistic shelters

**FUSOLVE TECHNOLOGIES  
PRIVATE LIMITED**

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