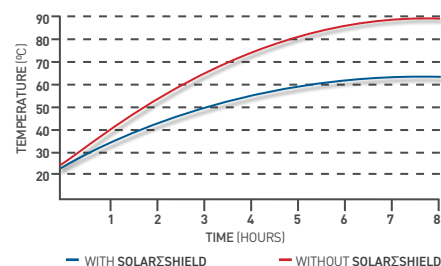


# ADVANCED MULTISPECTRAL CAMOUFLAGE SOLUTIONS



The **SOLARΣSHIELD** - pronounced solarsigmashield - is a simple and affordable solution for solar heat load reduction and multispectral signature management. It can be designed for and installed on any system operating in harsh climates.



## ► Applications

- Vehicles
- Weapon systems
- Command and control centres
- Tanks and reservoirs
- Sea containers and shelters
- Electronic systems (EO modules, control units, etc.)
- Any fix or mobile system operating in harsh climates

## ► Key characteristics

- Modular and customisable
- Easy to install and to remove
- Robust and long-lasting
- Proven in battlefield conditions
- High fire resistance (ISO 6940)
- Non-slip/skid add-ons for walking areas
- No interference with host system

## ► Heat load Reduction

- Significant reduction of heat stress on personnel and equipment
- Substantial air conditioning power savings (fuel/electricity)
- Enhancement of system reliability and expected life time
- Internal system temperature reduction of up to 25°C

## SIGNATURE MANAGEMENT

**SOLARΣSHIELD** is a layered fabric system allowing multispectral signature management against thermal, visual, radar and ultraviolet detection. **SOLARΣSHIELD** is customised and tailored specifically to fit each system and operational requirements.

### ► Thermal

- Significant reduction of thermal signature
- Remarkable thermal adaptation to environment temperature variations (eg. sunset/sunrise)

### ► Visual camouflage

- Wide range of camouflage fabrics available in various colours and patterns, plain or textured
- Selected and customized to environment of operation and customer requirements

### ► Radar

- Blended radar signature reduction of up to 10dB
- Customized to system geometry and opposing forces detection technology

### ► Ultraviolet

- Adaptable to snowy environments



**CBGSystems**



# ADVANCED MULTISPECTRAL CAMOUFLAGE SOLUTIONS



CBG Systems are able to offer advanced world-leading static camouflage solutions through an exclusive agency agreement with Miranda.

Miranda is an advanced textiles manufacturer with over 70 years of experience, their in-house laboratory and research facilities ensure their camouflage products evolve as the threat does.



## ► Multispectral 2D camouflage net

2D multispectral camouflage nets are transparent, light weight and modular in design. They are made of durable materials, have a unique spatial structure, and provide protection across the entire spectrum of UV, VIS, NIR, SWIR, TIR and RADAR electromagnetic radiation. Also available double sided, offering flexible deployment options.



## ► Multispectral 3D camouflage net

The 3D version imitates the texture of the natural environment, foliage, and terrain, giving the impression of spatiality and providing increased protection in wooded environments whilst still offering optimal performance across the detection spectrum.



## ► Technical textiles

We offer a variety of personnel camouflage and a large range of knitted and technical fabrics with antibacterial, antifungal, anti-electrostatic, acid-resistant, waterproof and fire-resistant properties suitable for a variety of military applications.

CBG Systems offers complete design, service, and support to produce customised solutions to meet customer specifications.

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