

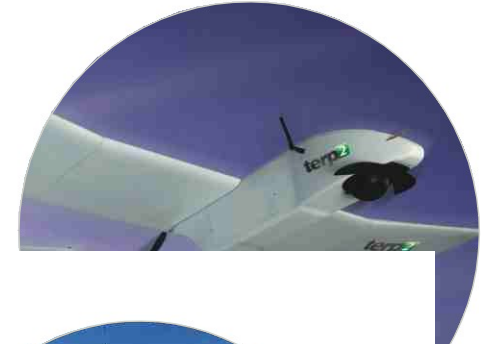


gain the edge...

the *protection* edge...

the *reconnaissance* edge...

the *technology* edge...



## **Gain the edge...**

Our brave soldiers constantly live on the edge. Fighting wars against terror..., in extreme conditions, against unknown enemies... constantly conquering their inner fears to discharge their duties because nothing is more important to them than their commitment to their nation.

Inspired by the sheer courage of these brave men, LOGIX firmly believes that the edge is not the end, rather a state of the mind; victory often lies just beyond the edge.

LOGIX consistently treads beyond this edge... to seek innovation, to harness the potential of the latest technology so that it can develop solutions which deliver the most advanced equipment and protection to these soldiers to enable them to perform their missions fearlessly, effectively and precisely.



## **The protection edge....**

### **from LOGIX**

#### **Protecting those who protect us ....**

LOGIX has an experience of over 25 years in servicing the requirements of defence and paramilitary forces across the world. It services its customers in over 50 countries (including all NATO countries) through a portfolio of over 30 products in more than 10 categories. Through concentrated efforts, MKU has gained diverse domain expertise in products and solutions for the armed forces that have allowed the soldiers to perform more efficiently and effectively while staying protected.

#### **Certified solutions....**

#### **meeting the highest standards**

LOGIX products have been tested and certified by the best labs in the world including TRBL), Terminal Ballistics Research Laboratory,



#### **Experience and expertise.....**

#### **exceeding customer expectations**

LOGIX has extensive knowledge of defence sector operations across varied geographic locations. Over the years veterans from the defence sector have joined LOGIX with experience and insight of the industry which has helped LOGIX immensely to harness a sizeable market share by shaping and designing products which meet end user expectations and requirements. Additionally, LOGIX has on board technocrats from the field of composites, experts in production technologies, solution integrators, product designers and market researchers who focus on evolving future product offerings and delivering accurate and efficient solutions.



### Infrastructure that invokes trust....

LOGIX has the infrastructure that allows it to deliver superior products within strict timelines. MKU's state of the art manufacturing and testing facilities spread out in Europe and India cover approx. 18,500 (2,00,000 sq. ft.) in area and house modern machinery and equipment. It has a fully equipped design house which constantly strives for innovation in its products and solutions.

### Innovative solutions....

#### *through research and development*

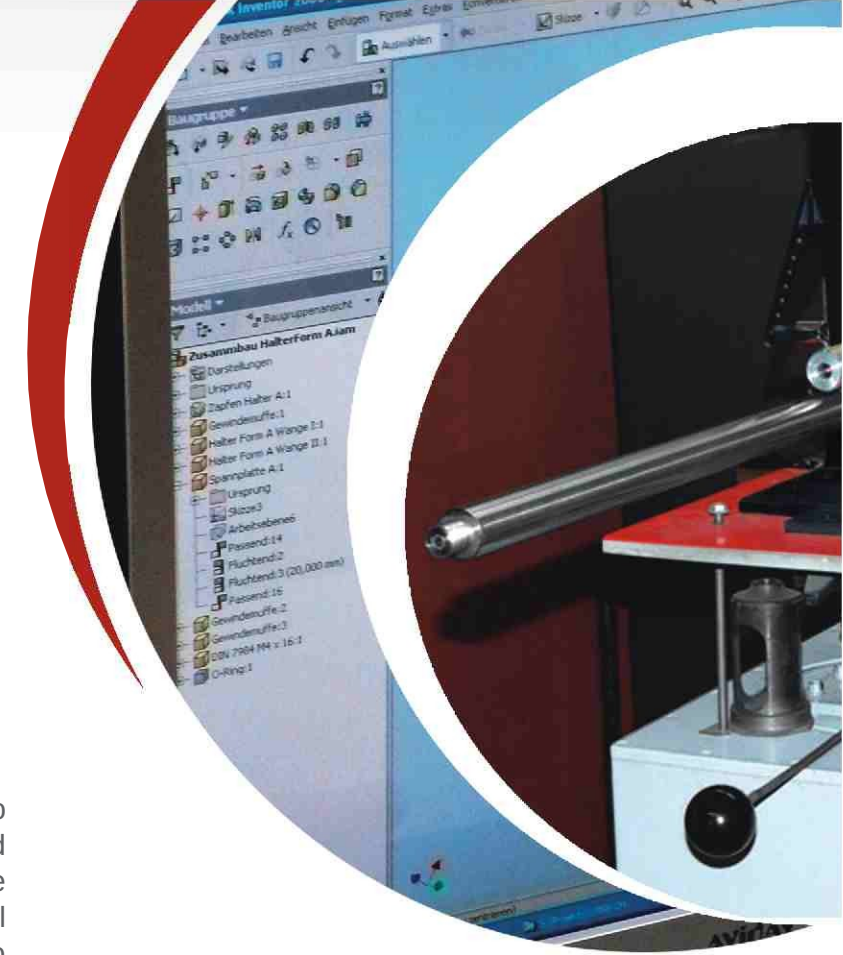
The research and development team at our design centre and ballistic lab constantly work towards developing newer products and technology to enhance the performance of our products and stay abreast with the latest threats that are evolving. MKU maintains a constant dialogue and shares knowledge with leading ballistic raw material manufacturers, which complements our ability to innovate in design and development.

### Customised solutions....

LOGIX works closely with its clients to understand their protection requirements and environments. Its immense experience in the global markets and its expertise with nearly all types of ballistic raw materials enables LOGIX to offer customised solutions which are accurate and apt.

### Quality that assures peace of mind

At LOGIX, we understand that the safety of soldiers cannot be compromised at any cost. We measure quality on the basis of performance, safety, reliability, comfort & cost effectiveness. LOGIX believes in delivering products of the highest standards to its customers. Stringent checks are carried out by our in-house quality control personnel at every stage from design to production and integration to eradicate any pitfalls, be it in regards to quality or costly delays.



# Helmets

LOGIX is one of the largest manufacturers of helmets in the world. Helmets from LOGIX are designed and manufactured to offer maximum protection and comfort to the wearer. They are capable of offering protection in nearly all environments and applications against the latest threats prevalent today. They are tough, durable, reliable and reflect state-of-the-art technology.



\*Patent Filed

## G-Factor\*

The lightest helmet in the world

G-Factor from LOGIX is the world's lightest ballistic helmet, weighing in at 1Kg. It is water-proof, corrosion resistant and UV resistant. G-Factor is available in both PASGT and ACH configurations and is compatible with a host of modern communication equipments and NVDs.



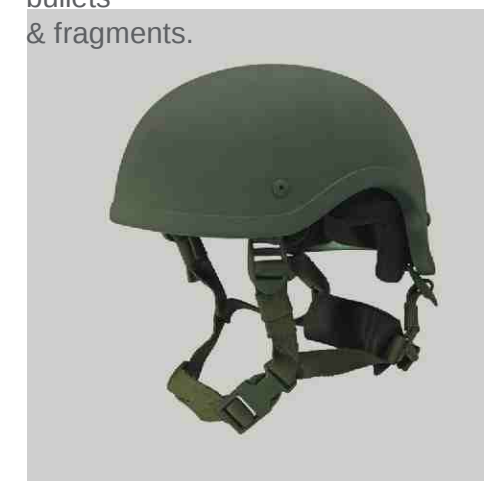
## ACH Helmets

Advanced Combat Helmets from LOGIX deliver high ballistic and impact protection. They provide unsurpassed comfort on prolonged usage ensuring minimum fatigue during operations. The helmet's low-profile and high cut designs offer unobtrusive vision. ACH helmets are compatible with a host of communication devices and modern equipment like NVD's, gas masks



## PASGT

PASGT helmets from LOGIX are lightweight and employ the latest processes and material advances. They provide optimal protection, comfort, fit & insulation for all kinds of combat scenarios including threats from bullets & fragments.



## Tank Crew

The Tank Crew from LOGIX has been specifically designed for compatibility with the headsets of the tank crewmen. The round cut over the ears enables usage of various make & kinds of radio equipment.

The helmet shell has a raised brow cut that helps the crew to use Night Vision Devices & NBC masks with ease. The helmet is capable of providing protection from high speed fragments from exploding artillery & shells.



\*Patent Filed

## Boltfree\*

Enhanced protection

LOGIX feature a Boltfree helmets from concept not only provides enhanced comfort but also increases protection against ballistic threats. Boltfree helmets are available in both, PASGT and ACH shapes.



## Ballistic Jackets & Over-Vests

LOGIX offers a variety of ballistic jackets and vests for various applications and usages that meet the required threat levels adequately and effectively. At the same time they are comfortable to wear. These high performance jackets and vests are capable of providing protection levels upto NIJ level IIIA, allowing unrestricted movement to the user.

Due to its advanced technological base and expertise with various ballistic materials, LOGIX is uniquely capable of processing both polyethylene and aramids alone or in combination to provide optimum performance in its jackets and vests.

LOGIX in house design and manufacturing expertise enable it to offer customised solutions to its customers, for practically all types of perceived threats.



\*Patent Filed

### INSTAVEST™

Instavest from LOGIX is ideal for situations like emergency evacuation of sea vessels during tactical operations in hostile terrains, when a soldier has to swim or wade through or when he faces a near drowning situation, when medical personnel need to treat wounded soldiers etc.

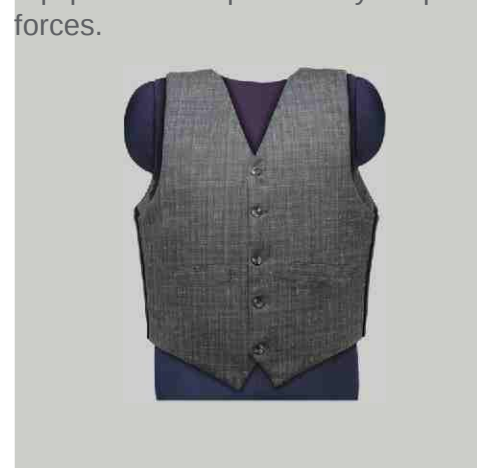
It is a snap on and off quick release MOLLE type ballistic over vest with a disengages the vest in less than second from the body one of the when required soldier

For other models of ballistic jackets and over vests from LOGIX  
www.logixhoneywell.com +91-9216345677



### Multi utility over vests

Developed for the special forces, these over vests offer unparalleled ballistic protection. Uniquely designed, they integrate optimum protection with load bearing capabilities and offer high flexibility during defensive reflexes. These jackets come with exchangeable pockets and holders which are designed to carry specialist equipment required by special forces.



### Concealable vests

These discreet vests are ideal for personnel who are constantly under threat and want unobtrusive protection gear. They are made from poly-cotton and special lightweight breathable lining material. They can be worn under normal clothing and thus are ideal for providing inconspicuous protection.



### Tactical military over vests

Ideal for tactical operations, their special design allows for easy movement of arms. Each over vest has special pouches for refill resistant inserts and spare ammunition. Fabrics for these vests are optimised for camouflage qualities.



### Floatation over vests

These vests have been developed especially for the Navy, Coast Guard and other marine law enforcement agencies. They are ideal for adapting to marine operations because of their ability to provide extreme ballistic protection comparable to tactical vests. They also maintain all the buoyancy characteristics of a floatation vest.

## Armour Plates

At times, when threat levels change from handguns to heavier types of ammunition such as rifle bullets and more penetrating types of ammunition or even stabs, ballistic jackets and vests need to be up armoured with suitable lightweight protection to provide optimum protection.

ILOGIX offers protection against the latest threats through its Armour Plates which are lighter, advanced and cost effective. It employs the best raw materials in the world to manufacture these Armour Plates. Armour plates from LOGIX are tested and certified by some of the leading laboratories and test centres in the world including TRBL Terminal Ballistic Research Laboratory,



### Polyshield

Polyshield Armour Plates from LOGIX offer the best protection at the lowest possible weight. They possess excellent multi-hit capabilities and protection against secondary fragments upon impact. They do not crack and are resistant to UV radiation, water, sunlight, temperature changes, acids and oils have no effect on them. These plates have been tested, certified & approved by some of the best domestic and international laboratories.

LOGIX offers highly cost-effective ballistic protection through its Cerazone Armour Plates which can be used either with vests or as stand-alone plates. Cerazone Armour Plates use aluminium oxide on the strike face with different backing configurations using various composites. They are available in various configurations, shapes and sizes to provide excellent protection.

### Polyshield+

Polyshield+ Armour Plates from LOGIX are manufactured using the most advanced materials and special techniques. These plates offer better trauma absorption and are lighter than regular polyshield plates by 10% for equal protection levels. This reduction in weight enables the soldier to carry more equipment, weight or ammunition depending on the mission. They are resistant to UV radiation, water, sunlight and temperature changes.

Made using highly mass efficient advanced ceramics, like silicon carbide and boron carbide (hardest substance known to man after diamond and cubic boron nitride) on the strike faces. Cerazone+ Armour Plates from MKU offers maximum protection at the lightest weight. They are ideal for all weight critical applications.

## Ballistic Shields



Ballistic shields are primarily used by law enforcement agencies to control riot situations and anti-terrorist activities. LOGIX ballistic shields are capable of providing protection against handguns, shotguns and submachine guns. The shields used for rifle protection are heavier and thicker and are usually mounted on wheels for easy mobility.

LOGIX high performance ballistic shields are ergonomically designed to maximise easy handling and lasting usage experience to the end customers. Developed with the latest high performance ballistic material technology, these shields are approved and tested as per established international standards.



## Bomb Blankets

LOGIX Bomb Suppression Blanket is a unique product that provides emergency protection against blasts and fragments in event of an explosive device detonating before it can be neutralised. It is effective against most pipe bombs, hand grenades and fragments caused by pressure or electrical explosions.

The Bomb Blanket can also be used as a temporary portable barrier for VIP's, on windows or in place of several shields to protect the police in barricade situations. Other uses include protection of petrol explosives or grenades stored near probable explosion hit areas.

Made from a combination of anti-ballistic materials and encased in a water repellent black polyamide cover, the bomb blankets can be customised to meet specific threat requirements. These bomb blankets are light enough to be carried by one person.



## De-Mining Suits & Gear

These are especially designed for personnel who are engaged in mine breaching and clearing operations. LOGIX de-mining suits not only protect against projectiles and high velocity fragments, but also against overt pressure and intense heat in close proximity of explosive detonation.

These suits employ high-tech materials for defeating multiple-threats. LOGIX de-mining suits are ultra-light and flexible as they are manufactured from non-woven fragment resistant material.



## MDS IV

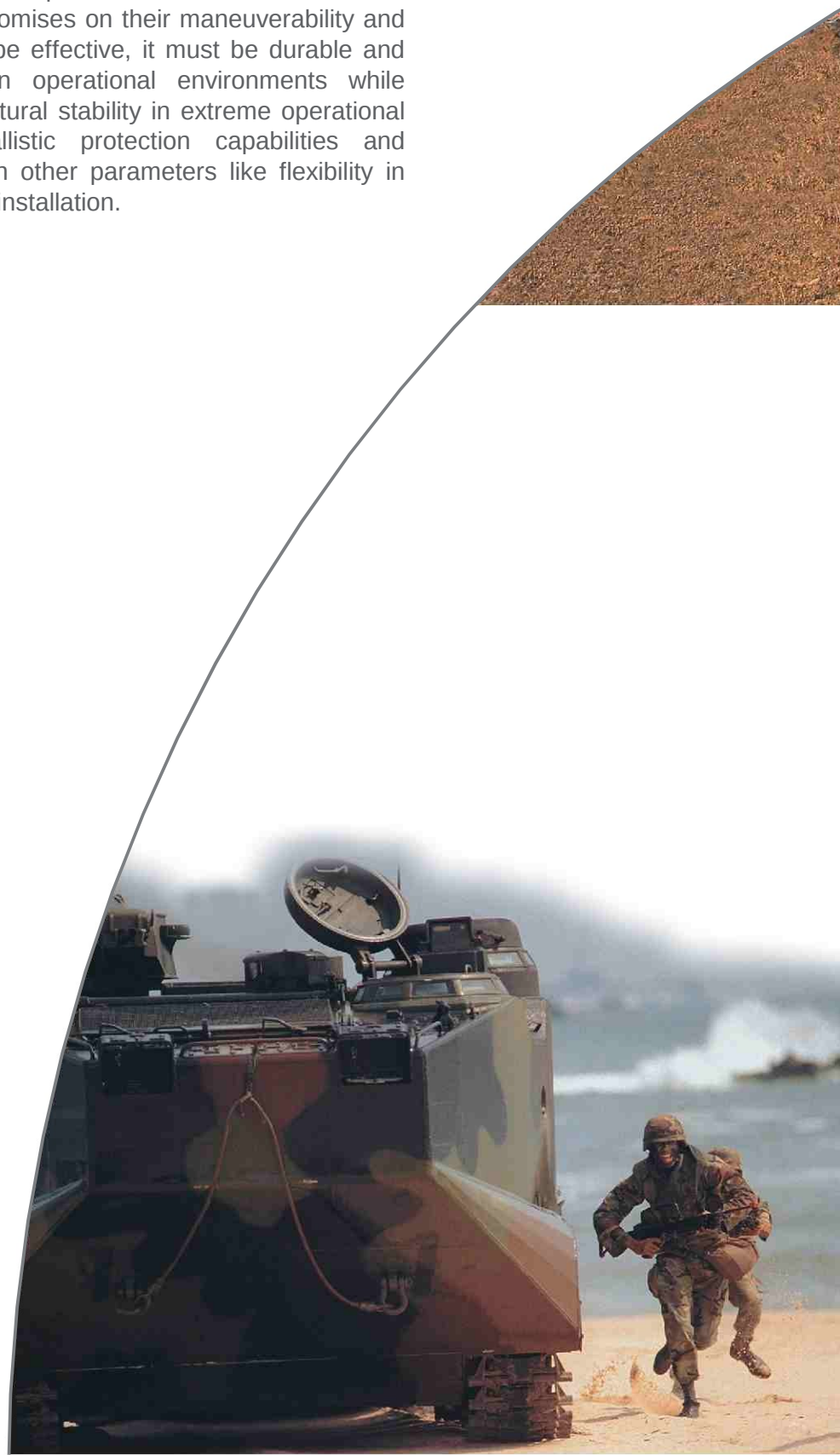
MDS IV is a versatile de-mining suit which is manufactured using world class materials capable of overcoming multiple threats. It protects the wearer from semi-permanent injuries inflicted by anti-personnel mines. This search suit can be upgraded with modular up- armour components that bridge the gap between lightweight armour and heavy cumbersome EOD suits.



## Platform Armouring

### Light Weight Armouring

Lightweight composite armour is playing an important role in troop protection and mobility. Troops need to be protected at the highest level, yet they cannot be overburdened or slowed down by excess weight. Traditional steel provides protection to vehicles and other platforms but seriously compromises on their maneuverability and performance. For armour to be effective, it must be durable and should perform efficiently in operational environments while simultaneously ensuring structural stability in extreme operational conditions, likewise it's ballistic protection capabilities and performance must match with other parameters like flexibility in design, durability and ease of installation.



**FLEXA**

### Land Platforms & Objects

Based on protection, performance & budget criteria, LOGIX offers a large range of products and solutions to cover the entire gamut of requirements for armouring of land vehicles.

**IPanels & Kits** - LOGIX offers panels & kits which are a perfect mix, match and blend of heterogeneous and homogeneous materials.

**IUpgrade Armour** - LOGIX has developed upgrade armour kits which can be integrated onto existing vehicle platforms.

**IObject Armouring** - LOGIX offers expert, customised and accurate solutions for effective protection of objects such as building, infrastructure assets, etc.



## Platform Armouring...<sup>C</sup>

### Air Platforms

Aircrafts need to be protected from infantry terrorist threat areas. In some scenarios warrant ballistic protection, whilst in others lightweight armour solutions for Air platfo that they can be added on or removed fro requirements to maximize payload capacity. for other aircraft of the same type thereby re All such armour solutions from LOGIX are s documentation, including installation, main and illustrated parts.



### Naval Platforms

Specific parts of naval vessels are most vulnerable to ballistic threats. These include missile launch silos, ammunition storage compartments, command & information centres (CIC), bridges, external weapon positions & helicopter hangars.

The complex contours of a naval vessel need to be armoured with effective utilization of space. LOGIX offers a range of ballistic protection solutions for the above applications. These solutions are effective against a wide range of current threats including fragments from anti-ship missiles, armour piercing rounds from aircraft cannon, small arms rounds and explosive blasts.





## Universal Gun Barrel Cleaning System

The Universal Gun Barrel Cleaning System (UGBCS) is a versatile and a rugged device capable of cleaning all kinds of gun barrels including chambers of artillery and tank guns of different calibers ranging from 100mm to 203mm. It can operate in all kinds of terrain and can function efficiently in extreme climatic conditions ranging from minus 20°C to plus 55 °C. It is sufficiently rugged to withstand transportation and handling shocks in field and peace conditions.

LOGIX manufactures Unmanned Aerial Vehicle Systems suited specifically for the Armed Forces.

**terp2**

The TERP 2 is a composite, backpack-able, hand launched UAV system that requires no tools for assembly. It is ideally suited for peace time activities and disaster management. The system is designed to play a key role in paramilitary and civilian deployments which require airborne surveillance, reconnaissance and over the hill intelligence.

By default the TERP 2 is designed to operate autonomously from launch through recovery. Its hand launch and deep stall recovery translate into a minimal footprint on the ground from where it can operate.

At LOGIX we fully understand the risks involved with flights at low altitudes, in congested terrain under frontline conditions. Consequently the TERP 2 is designed to protect its vital components and survive hard landings and hard impacts. The valuable payloads face the highest risk levels during launch and recovery. To mitigate this risk, a retractable payload with beetle wing doors has been incorporated.

Dirty or dangerous environments TERP 2 never stops or shies away from its role of beaming back critical information to ground control station. Its simplicity of use, makes it quickly deployable, thereby saving lives and time.

