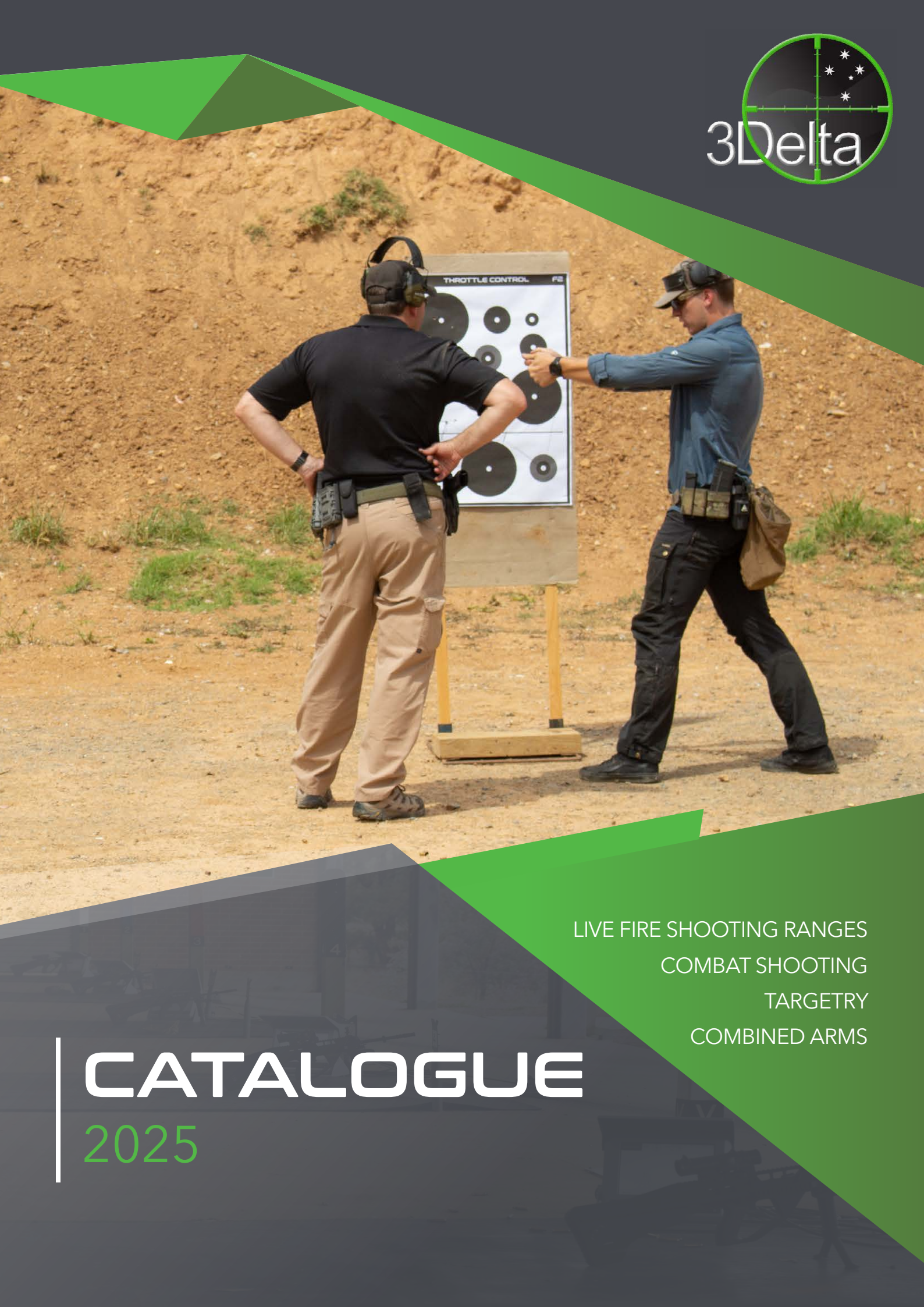




LIVE FIRE SHOOTING RANGES
COMBAT SHOOTING
TARGETRY
COMBINED ARMS

CATALOGUE

2025

WELCOME

3 Delta is committed to rigorously preparing individuals for operational demands through realistic, immersive training experiences that span a broad range of disciplines. Our approach goes beyond live-fire training—we integrate science-driven training design, cutting-edge engineering expertise, and advanced learning methodologies to develop highly effective training solutions.

By leveraging the knowledge of former military professionals, cognitive science, and adult learning principles, we craft highly immersive performance environments that replicate real-world scenarios with unparalleled accuracy. Our comprehensive training programs incorporate expert-led instruction, innovative simulation technology, and live-fire systems or scenario training, ensuring that personnel develop critical thinking, adaptability, and technical skills required to perform under pressure.

At the core of our training philosophy is a deep understanding of human performance and operational effectiveness. We tailor our solutions to meet specific training objectives, reinforcing the crucial relationship between the marksman and the target while integrating broader tactical, strategic, and decision-making components.

No other Australian company delivers such a fully integrated, science-backed, and immersive training capability. 3 Delta's commitment to excellence, innovation, and real-world applicability ensures that personnel are not just trained but truly prepared to excel in complex operational environments.

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ABOUT US

3 Delta combines the skills of ex-military professionals and highly skilled systems, software, and hardware engineers committed to rigorously preparing individuals for operational demands through realistic, immersive training experiences that span a broad range of disciplines. Our approach goes beyond live-fire training—we integrate science-driven training design, cutting-edge engineering expertise, and advanced learning methodologies to develop highly effective training solutions.

3 Delta continues to grow in capability and capacity to integrate the full spectrum of live fire training, target systems, products, and services to the ADF and Australian Police Forces. This includes the full range of services including range design input, systems development and integration, project management, installation, operations, maintenance, research, development, test and evaluation services, design input, systems development, project management, installation and maintenance as well as ongoing technical advisory services (range management, policy formulation and experimental activities).

3 Delta operates nationally and internationally from its bespoke target integration and registered training facility in Albury NSW. From this hub, 3 Delta maintains a permanent presence at the following locations:

- Canberra ACT / Queanbeyan NSW, Australia – ADF engagement & field training facility.
- Albury NSW, Australia – Target integration and registered training facility (RTO).
- Brisbane, QLD, Australia – EMOS / QPOL repair and maintenance workshop.
- Townsville, QLD, Australia – EMOS repair and maintenance workshop.
- Darwin, NT, Australia – AHQ range operator and maintainer.
- Manila, Philippines – Strategic security services and SE Asia training hub.





PHILOSOPHY

Traditional training often lacks the complexity needed to develop critical decision-making and combat skills. 3 Delta designs high-fidelity training environments and products that align with real operational demands, ensuring personnel are prepared for the unpredictability of real-world engagements.

Today, 3 Delta hold the same core values, hands-on experience and innovative philosophy espoused by its forebears. The 3 Delta capability is founded on having a deep empathy for the end user and a strong sense of purpose focused on enhancing the judicious lethality and survivability of those serving on the front line. Whether it be soldiers honing their shooting skills on a marksmanship training range, an armoured fighting vehicle crew engaging a moving tank target or a F18 aircraft conducting a live fire air to ground attack, 3 Delta has made or is making a direct contribution.

Driven by a relentless pursuit of excellence, this world-leading organisation continues to skillfully combine the hard-won operational experiences of military professionals with the technical know-how of highly skilled engineers and technologists. This has resulted in 3 Delta becoming the dominant provider of leading-edge live fire training products for the Australian Defence Force and becoming a much sought after strategic partner for the delivery of many of the world's largest range projects.





TABLE OF CONTENTS

Military Catalogue

1.	600m Range Concept Design	8
2.	100m Range Concept Design	10
3.	Advanced Range Operating System (AROS).....	14
4.	Live Fire Range in a Box (LFRiB).....	15
5.	Immersive Shooting Environment (ISE)	17
6.	Combat Range in a Box (CRiB)	20
7.	Village in a Box (ViB).....	21
8.	Non-Ballistic Wall Pack.....	22
9.	Wall Pack Configurations	24
10.	Amidon Ballistic Concrete™	27
11.	Non-Ballistic Plastic Vehicle - Sedan	29
12.	Non-Ballistic Plastic Vehicle - SUV	30
13.	Non-Ballistic Plastic Furniture Items.....	31
14.	Murray Mannequin.....	32
15.	Mannequin Target.....	34
16.	Targetry (Training Support Equipment).....	37
17.	Small Arms.....	38
18.	Group and Zero.....	39
19.	Combat Shooting.....	40
20.	Steel Targets	43
21.	Training Support Equipment & Accessories	47
22.	Combined Arms	48
23.	Full Scale Targets	49



MARKSMANSHIP TRAINING ADVANCED RANGE CONFIGURATIONS

TRIPLE CONFIGURATION

1 x TG82.70 3 x target board side by side, generally on the 200m to 600M target banks.

QUAD CONFIGURATION

2 x TG82.70 side by side, generally on the 100m target bank.

INTELLIGENT VIDEO DISPLAY UNIT (IVDU)

Lane Initiator (LI)



100m TARGET BANK

Slicing

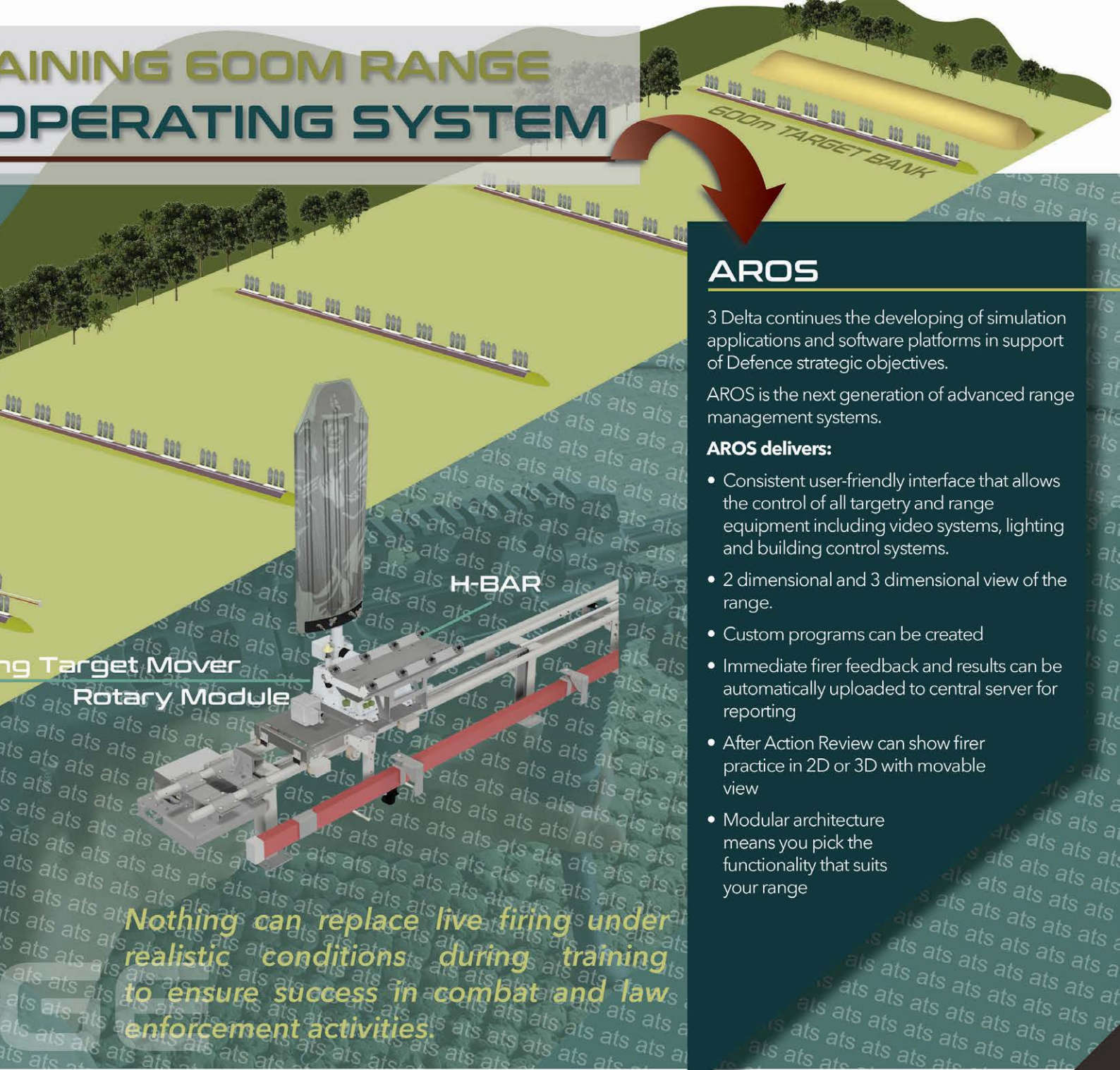
PERFORMANCE

The Marksmanship Training Range (MTR) provides live fire training capabilities that are efficient and effective.

The MTR enables live fire training through the use of a Lane Initiator (LI) that allows progression (PLS).

MTR is a full speed of movement, friend and foe, moving.

MAINTAINING 600M RANGE OPERATING SYSTEM



AROS

3 Delta continues the developing of simulation applications and software platforms in support of Defence strategic objectives.

AROS is the next generation of advanced range management systems.

AROS delivers:

- Consistent user-friendly interface that allows the control of all targetry and range equipment including video systems, lighting and building control systems.
- 2 dimensional and 3 dimensional view of the range.
- Custom programs can be created
- Immediate firer feedback and results can be automatically uploaded to central server for reporting
- After Action Review can show firer practice in 2D or 3D with movable view
- Modular architecture means you pick the functionality that suits your range

RANGE FOCUSED

Pop Up Training Range (MTR) has provided the backbone of the Australian Defence Force's capability since the 1980's and has continually evolved to deliver the world's most effective small arms training range with engagement distances from 7m to 600m.

From a single operator to effectively control the conduct of live fire marksmanship to the use of the world leading Advanced Range Operating System (AROS), to effective target scoring through the use of a Projectile Location System

to a spectrum range that enables the engagement of pop up, rotating, moving, turning and slicing targets from static positions or whilst



100m MTD LAYOUT & INTEGRATION

MULTI FUNCTION TARGET MECHANISM

The Polytronic TG 82-70 provides double pop up & turning target functionality on four engagement faces with projectile location capabilities.

A full spectrum mechanism ideal for ab initio training through to friend or foe & advanced shoots.

INTELLIGENT VIDEO DISPLAY UNIT (IVDU)

Provides immediate display of shooting performance, sight corrections.

Lane Initiator (LI) records cross lane firing and ricochets.



100M RANGE

TRAINING

The 3 Delta solution enables fire training practice allowing progression and shot display u

The targetry array turning, slicing and using the 3Delta T

Building Management effects can be in immersive, flexible

The world class capabilities of the Polytronic supersonic & subsonic Projectile Location System (PLS) will enable immediate feedback to the firer via the Intelligent Video Display Unit (IVDU) to increase training throughput, saving time & resources.

ADVANCED RANGE OPERATION CONCEPT

ADVANCED RANGE OPERATING SYSTEM (AROS)

The next generation world leading Advanced Range Management System (AROS) designed to fuse all range and range complex functions into one easy to use software solution:

- Easy to use & operate
- Common user interface across handheld wireless & shot display devices
- Integrates targetry, range & building functions into one system
- Captures & stores shooting performance for after action review
- Adaptable range layout and view

5 x Rotary Modules
Slicing Target
Mover

NEED & THROUGHPUT FOCUSED

enables a single range operator to effectively control the conduct of basic to advanced live exercises through the use of the world leading Advanced Range Operating System (AROS), live shot scoring across multiple firers to be displayed on handheld wireless devices units.

enables the full spectrum of target engagement options to include pop up, and moving, which can be enhanced to achieve complex training sequences Training Support Equipment (TSE).

ment Systems (BMS), maintenance functions and environmental integrated into a common user interface to achieve a fully e and integrated training environment.







Products



AROS

Advanced Range Operating System

"The world leading Advanced Range Operating System (AROS) is a next generation software capability that enables a single operator to easily control and supervise complex range practices across multiple live fire environments with maximum speed and efficiency".

AROS is capable of controlling an unlimited array of targetry and training environment effects, while providing immediate feedback on a shooter's performance via a variety of untethered portable devices such as smart phones and tablets.

AROS goes far beyond the basic capabilities of other simple target control systems and has specifically been developed to manage entire range complexes with its ability to interface seamlessly with building management systems, range booking programs and operational readiness reporting systems. AROS can be tailored to include pre-written live fire scenarios to reflect mandated training requirements and new programs can easily be created to achieve unique training objectives. AROS is the ultimate "universal remote".

The AROS software is based on a platform independent core that delivers speed critical functionality. The user can easily access and control after action reviews, firing point displays, viewing galleries, programs and maintenance reports. Untethered portable devices allow the user ultimate flexibility and deliver a consistent display and intuitive feel that is generated from an inbuilt webserver providing high-speed interaction with the AROS core. AROS is undoubtedly the most sophisticated and advanced range management software in the world.



For more information please contact us on +61 02 6051 7000
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LFRiB

(Live Fire Range in a Box)

Capability Description:

"The LFRiB is a readily deployable, ballistically contained, live fire indoor range that enables the conduct of basic through to advanced live fire training using a world leading interactive scenario and graphics based video target system."



The LFRiB is a readily deployable, ballistically contained, live fire indoor range that enables the conduct of basic through to advanced live fire training using a world leading interactive scenario and graphics-based Video Target System (VTS).

The LFRiB is a 40ft shipping container that has been customised to create a highly advanced, no danger area (NDA), indoor live fire range capable of firing 9mm and 5.56mm ammunition. Internally, the LFRiB provides an adaptable immersive training environment that can accommodate multiple firers and coaching staff. Basic shooting skills are facilitated using standard target layouts with training progression achieved using reactionary target formats to enhance speed and accuracy. Highly realistic video based scenarios are projected to develop a firer's cognitive engagement skills, with feedback on shooting performance provided via a thermal projectile location system, exposure to engagement time splits and video playback capabilities. User developed video scenarios are easily created and integrated.

Projectile containment is achieved using a twin steel helical bullet trap that provide exceptional longevity and greatly reduced maintenance overheads, in comparison to granulate rubber traps. The internal walls are ballistically lined and clad in fire resistant rubber to prevent ricochet and to provide acoustic dampening. The HVAC system maintains constant airflow and a negative pressure to ensure that lead, smoke and airborne particulate are moved away from the firer. All air passes through a 95 – 99.97% High Efficiency Particulate Air (HEPA) filter rack before it is exhausted outside.

The LFRiB can be trailer mounted or positioned semi permanently to provide convenience and flexibility for the end user. The LFRiB can be tailored to meet specific user capability requirements. A full spectrum next generation range capability that offers a safe and immersive live fire training environment in a highly deployable package.



For more information please contact us on +61 02 6051 7000
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LFRiB

(Live Fire Range in a Box)

PROFESSIONAL SERVICE

Fully qualified targetry operators, maintenance technicians and shooting mentors on a fulltime or part time basis to ensure the technical and training capabilities of the LFRiB achieve maximum return on investment and end user requirements.



COMPONENTS

- 40 Foot ISO Container
- Ballistically lined with AR500 steel and Regupol tiles
- Twin Rifle rated helical bullet traps.
- Industrial HVAC system with HEPA filtration system
- Milo Range Thermal PLS video projection system
- Simulation and live fire capability
- Over 600 interactive scenarios with instructor and shooter feedback and debrief tools



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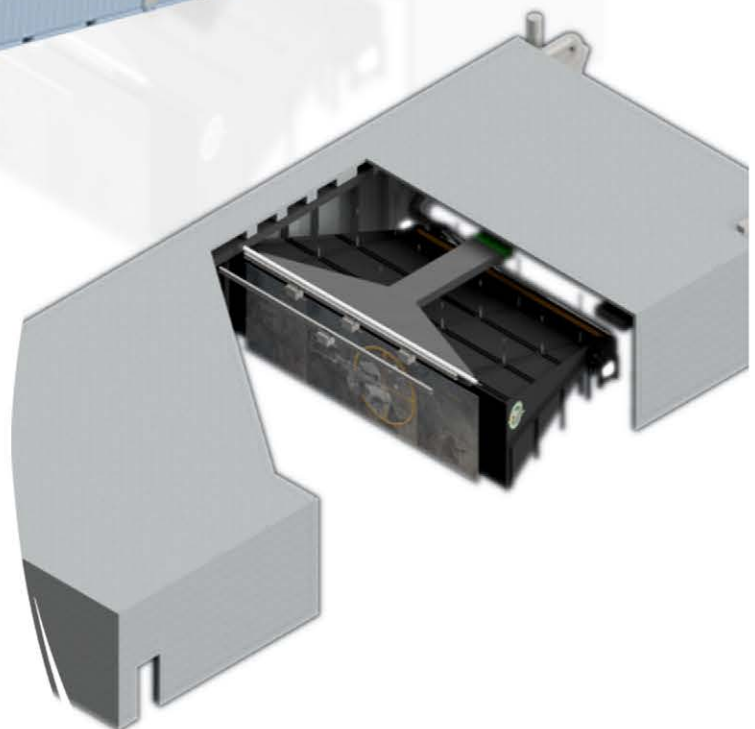
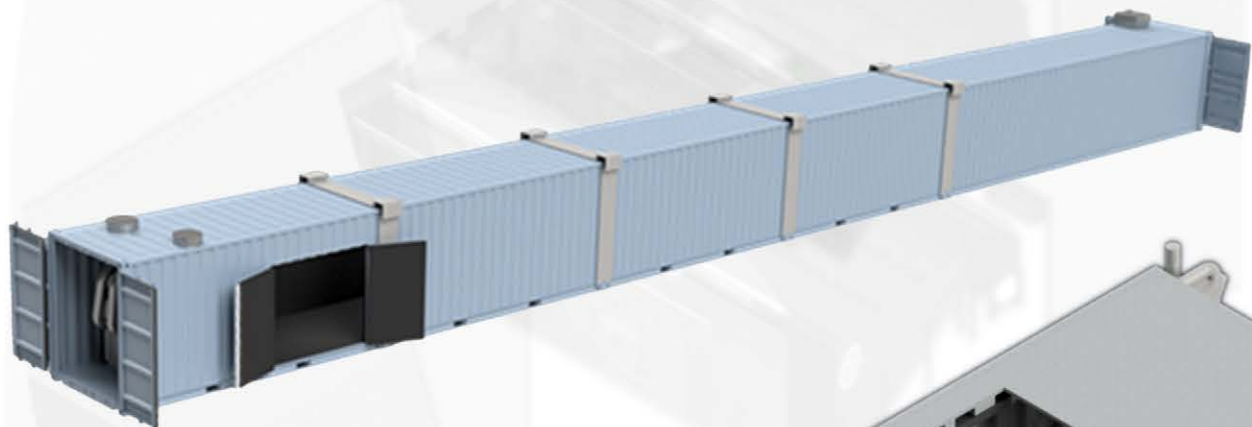
IMMERSIVE SHOOTING ENVIRONMENT (ISE)

Our Immersive Shooting Environment (ISE) is designed to provide extreme and intensive combatant training by fully immersing individuals in high stress situations and environments.

The ISE is a modular, No Danger Area (NDA) encapsulated shooting environment that allows a combatant to be immersed through emotions and human senses into a realistic targetry platform that culminates in the decision of judicious lethality.

The ISE can be constructed by modular shipping containers, Amidon Ballistic Concrete (ABC) or concrete tilt panels producing a modular design consisting of the following components:

- Projectile containment (Structure).
- Bullet Trap (Viper).
- Heating, ventilation and air-conditioning (HVAC).
- Fully immersive virtual Military Integrated Learning Objectives (MILO).
- Operated and monitored by an Intelligent Range Management System (iRMS).
- Targetry and full fit out.

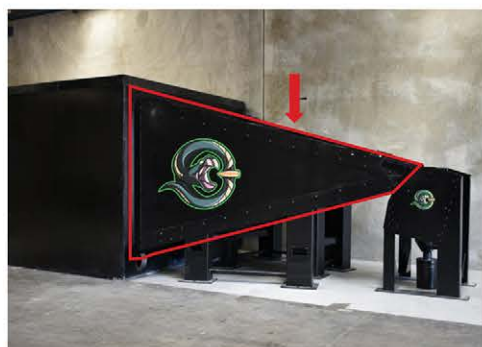


Various ISE Products



VIPER TRAP

Is designed to safely capture all pistol calibres and centerfire rifle projectiles up to 8mm and collect projectile fragments in an easily exchanged, environmentally conscious collection receptacle. Constructed with quality Australian certified steel products that have been tested to standards aligned to keep the shooter, environment and public safe.



Viper Jaws

Deflects projectiles onto the Deflection Plate and subsequently into the Viper Bullet Trap. Constructed of 12mm Hardened Steel, supported by Milling Certificates to warrant the hardness of the composition.



Viper Bullet Trap

The Viper Bullet Trap is designed to safely capture all pistol and centrefire calibers up to 8mm and collect projectile fragments in an easily exchanged environmentally conscious collection receptacle.



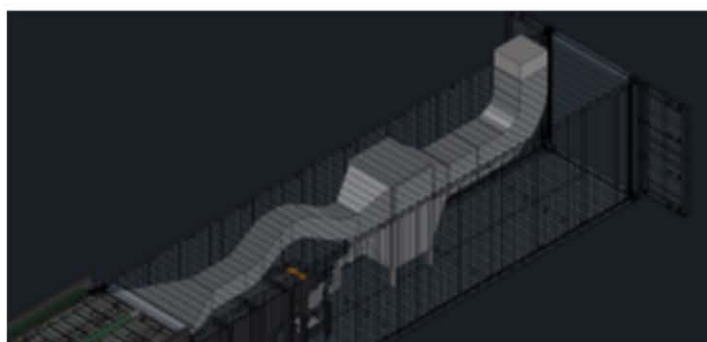
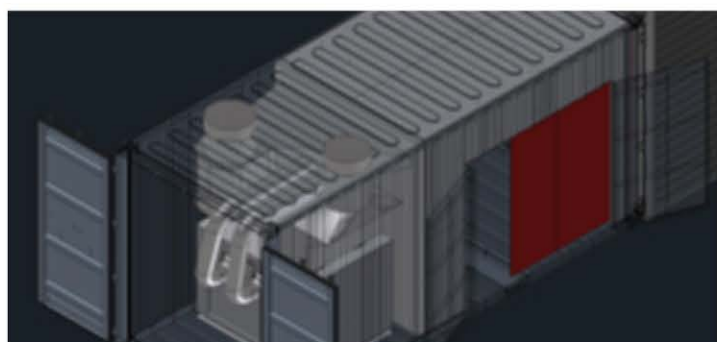
Viper Receptacle

The Viper Collection Receptacle is designed to cleanly and efficiently collect all projectile waste.

HEATING, VENTILATION AND AIR CONDITIONING (HVAC)

HVAC systems provide comfortable environments which can be heated and cooled using this technology, which is a "must have" within our ISE facilities.

The replacement or exchange of air within an ISE is represented by the V in HVAC or ventilation. These systems utilise outside air to offer excellent air quality indoors. It improves interior air quality by removing moisture, smoke, dust, smells, heat, carbon dioxide, airborne bacteria, and other gases, maintaining temperature, and resupplying oxygen.

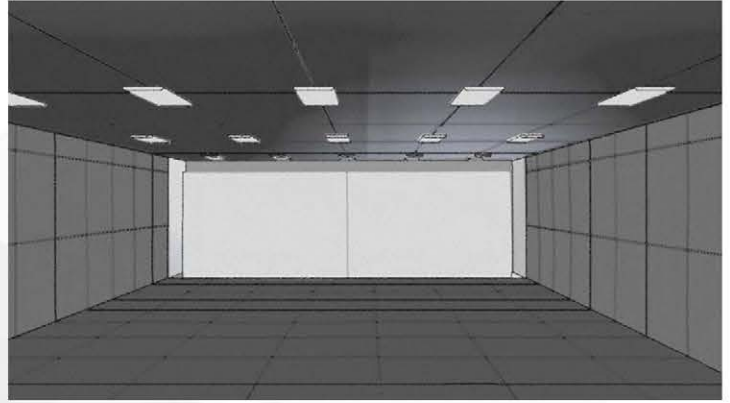


MILITARY INTEGRATED LEARNING OBJECTIVES (MILO)

Military Integrated Learning Objectives (MILO) is a video target system designed to fully immerse combatants in virtual situations using simulations and scenarios to enhance training in the following areas:

- Mission-specific interactive judgement
- Decision support
- Critical incident
- De-escalation
- Tactical judgement
- Firearms proficiency

Each high-definition or 4K scenario simulates real world and high stress encounters which play out differently depending on the individual's response to the situation. Depending on which training is required, MILO scenarios comply with a range of weaponry, including, but not limited to: hand gun models, tactical rifles, shotguns, tasers, batons, sprays.

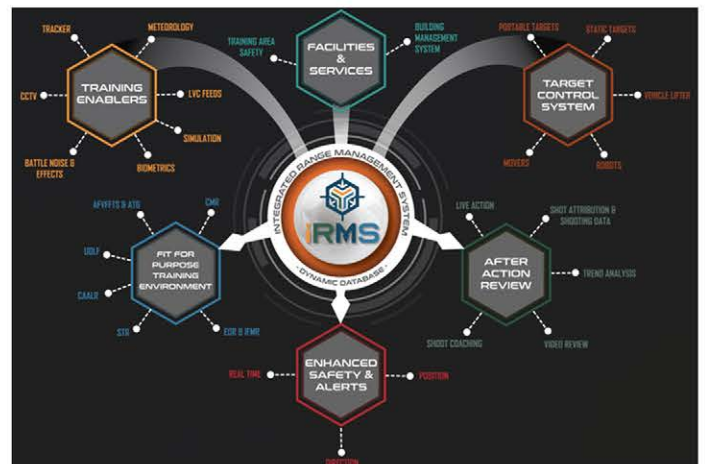


IRMS (INTELLIGENT RANGE MANAGEMENT SYSTEM)

Intelligent Range Management System (iRMS) is a distributed system to design, control, integrate and manage a collection of supplier agnostic training systems and infrastructure; to provide a scalable, customisable, realistic and immersive live-fire training environment

iRMS enables a wide range of inputs to be synchronised like battlefield effects simulators, biometric inputs and shooting data into training outcomes that improve safety and provide after action review capability; all under the control from one console.

The engine of the iRMS targetry systems control is the Advanced Range Operating System (AROS) currently being rolled out onto ADF ranges. AROS is used to control targetry system operation and collect firers performance data which is essential to validating training performance and for the conduct of after action review. iRMS enables improved safety through tracking trainee movements and anticipating potential safety breaches so that safety staff can dynamically manage training events.





CRiB

COMBAT RANGE IN A BOX

Capability Description

The CRiB is the world's most advanced fully deployable electronic range system, capable of delivering a full spectrum and dynamic live fire combat marksmanship training environment.

The CRiB is the world's most advanced deployable electronic range system with 20 twin turning target mechanisms capable of providing up to 80 concurrent target options with projectile location technology that can be arrayed in any configuration and distance from 7 metres to 600+ metres. Electronic targetry effects are further enhanced through the provision of custom target images designed to support progression of training and the use of realistic portable facades to create training complexity through environmental contextualisation.

The CRiB is based on a custom built and fully equipped 20-foot shipping container. The CRiB provides all the target and training equipment necessary to convert an austere live fire range, into a full spectrum and dynamic combat marksmanship training environment – without the usual infrastructure overhead and cost of more permanent facilities. Once positioned, the CRiB becomes a comfortable airconditioned range control room, briefing centre and training equipment storage facility.

The world leading Advanced Range Operating System (AROS) controls all targetry and live fire training effects. AROS enables a single operator to simply design and run live fire practices via a ruggedized Wi-Fi touchscreen handheld tablet device. AROS saves time and resources by providing immediate feedback on shooting performance, prompts technical adjustments to weapons sights and enables the conduct of after action reviews. Firers are able to track their individual shooting performance via their own personal handheld devices to capture the speed, accuracy and appropriateness of their engagements for advanced instinctive and friend or foe practices.



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ViB

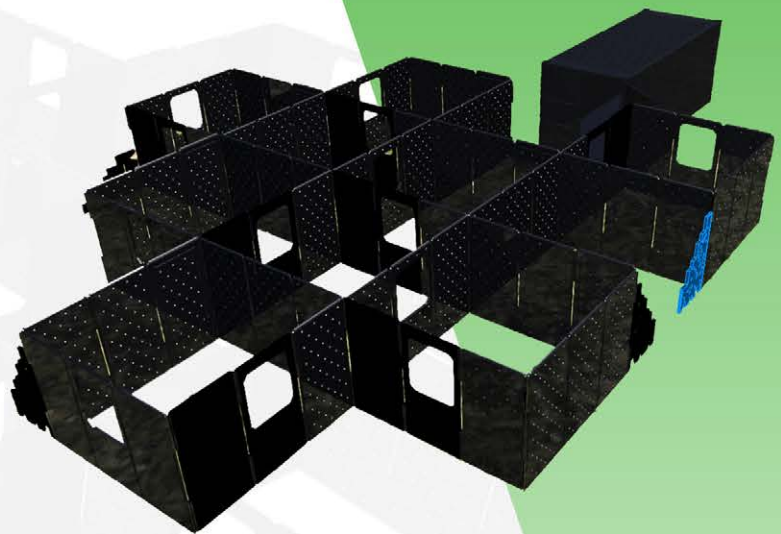
Village in a Box

Conditioning Combatants for an Operational Environment

The Village in a Box (ViB) is a culmination of designs made from non - ballistic and recyclable self healing plastic with innovative locking system that is simple yet strong and versatile to use without the requirement of cumbersome additional tools. This ViB is a modular system designed for multiple scenarios that is easily transportable whilst housed in its 20" container.

1 x 20" Standard Shipping Container includes:

- 7 x Standard Room Packs
 - 56 x Wall Panels
 - 14 x Door Panels
 - 14 x Window Panels
 - 14 x Crazy Wall Panels
- 532 x Panel Joiners
- 112 x Support Panels
- 2 x Trolleys (for joiners)
- 1 x Step Ladder
- 1 x Rubber Mallet
- 1 x Kerb Ramp (for loading / unloading trolleys)
- Assorted tie-downs for securing Panels



Durable



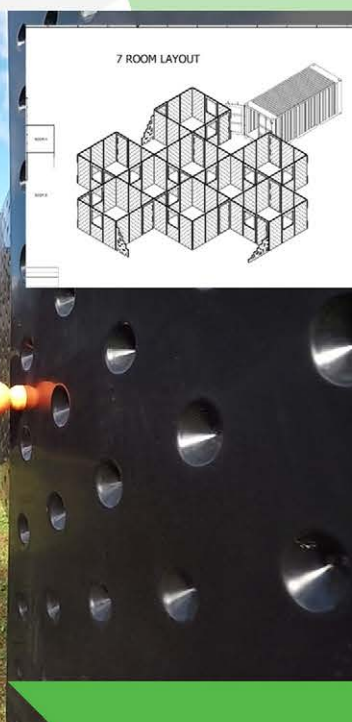
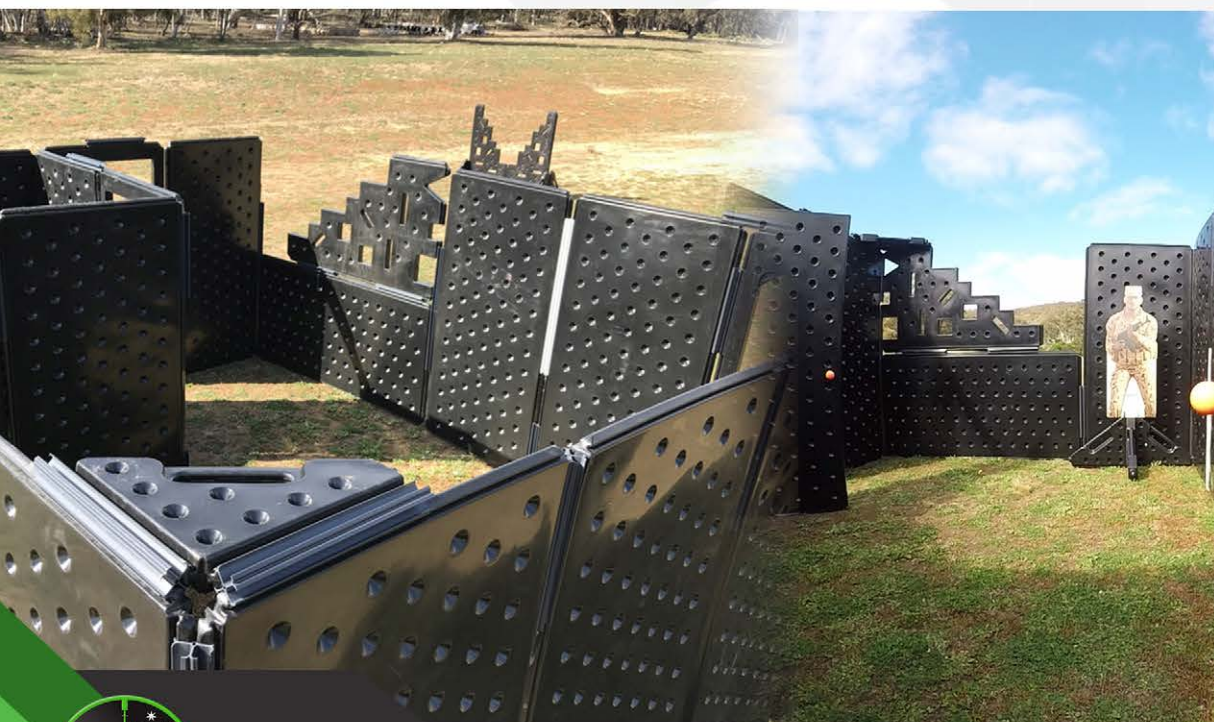
Cost Effective



Modular



Reconfigurable



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NON-BALLISTIC WALL PACK

Capability Description

“Redefining and enhancing individual Marksmanship and Combat Shooting skills, the 3 Delta effort is to provide commanders at all levels with “capability”.

This capability emanates from reactive, cognitive, and instinctive shooting skills training that leads to a judicious lethality in high risk situations.”

3 Delta understands the demands for realism in training through our operational experience. 3 Delta have designed a range of Training Support Equipment (TSE) to take realism to the next level in live fire scenarios to enhance cognitive training. The TSE is used to create a realistic training space.

The new redesigned Room Façade Pack is made from ballistic safe and recyclable self-healing plastic with innovative locking system that is simple yet strong and versatile to use without the requirement of cumbersome additional tools. This new Room Façade Pack is a modular system designed for multiple scenarios.

The standard wall, window and door panels are primarily designed to be fitted as not only a standard room but multiple adjoining rooms and hallways that is only limited by the imagination. The window panels dual purpose of replicating a window with a clear Perspex insert and a standalone paper target stand for fundamental shooting training, when incorporated with the wall, door and crazy wall can create demanding complex training environments.

All the panels can be utilised as individual stand-alone façade's or joined together for a larger complex obstacle. Combined with the new 9 hole barricade or “Crazy wall” and a full scale plastic car, a whole complex shooting environment can be created that is not only ballistically safe but is challenging battle space for the operator.

The system is made versatile with the revolutionary Multi-Joiner and Base Triangular Foot.

The Multi-Joiner slides between any panel and joins them together whilst the Base Triangular Foot adds stability and re-enforces structures.

A variety of wall texture decals are designed to increase realism to the next level.

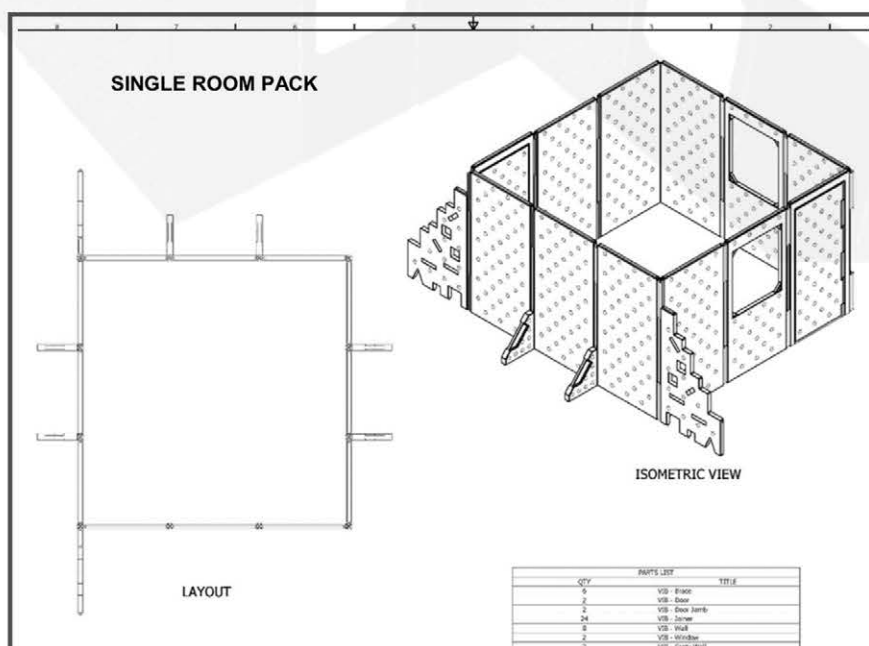


Non-Ballistic Wall Pack Specifications

All panels are Rotational Moulded, Lower Linear Density Poly Ethylene (LLDPE)



Description	Code	Specs
Crazy Wall Panel:	556-110-946	1800 x 1100 x 60mm
Wall Panel:	556-110-949	2200 x 1100mm
Window Panel:	556-110-951	220 x 1100 x 60mm
Support Brace:	556-110-950	562 x 49t8 x 80mm
Joiner:	556-110-952	515 x 74 x 74mm
Door Panel Assy:	556-110-953	2200 x 1100 x 60mm

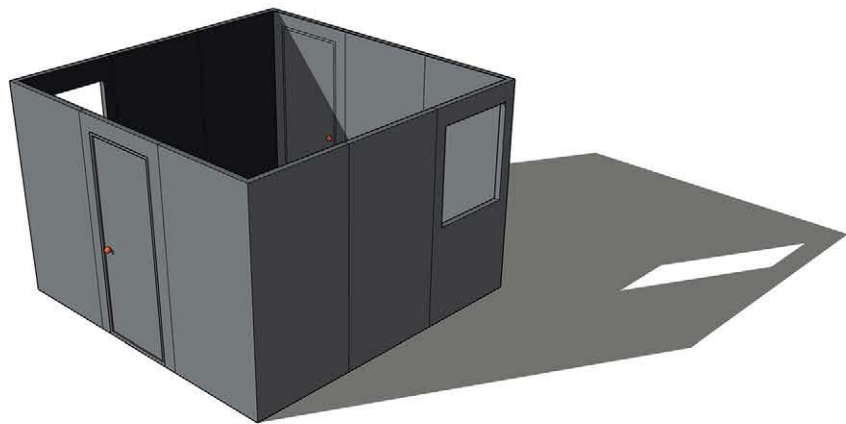
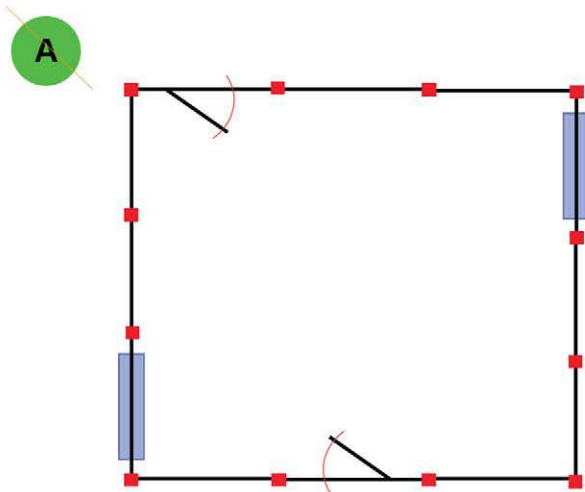


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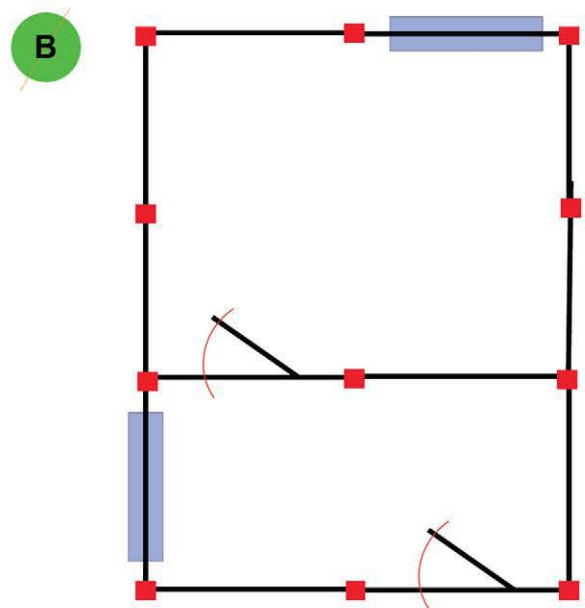


WALL PACK SCENARIO 12 PANEL PACK

8 x WALLS, 2 x DOORS, 2 x WINDOWS

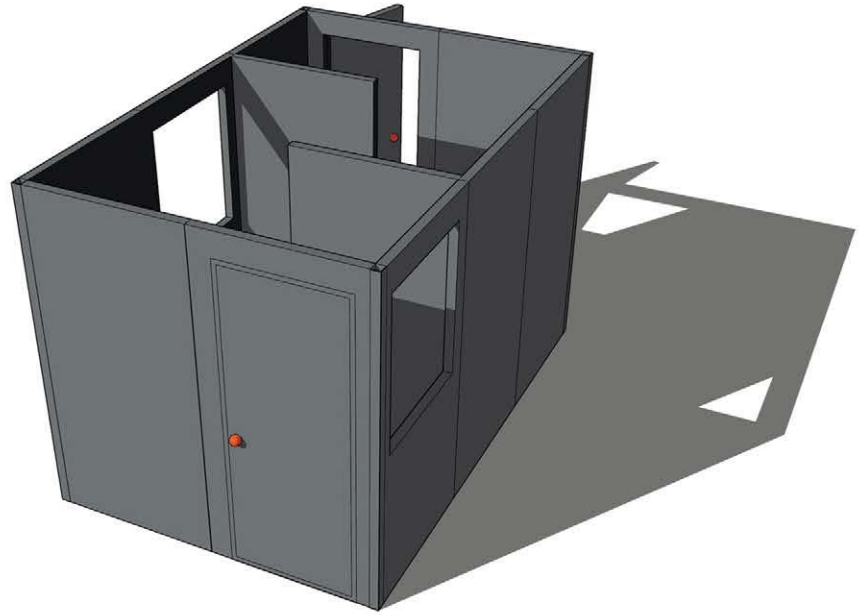
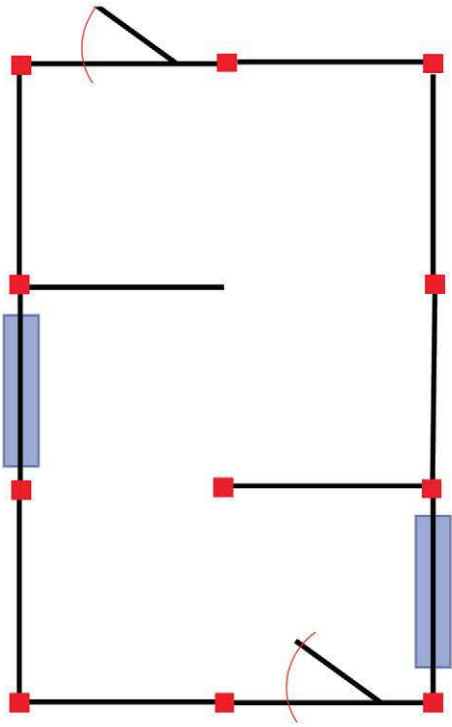


Representation of Configuration



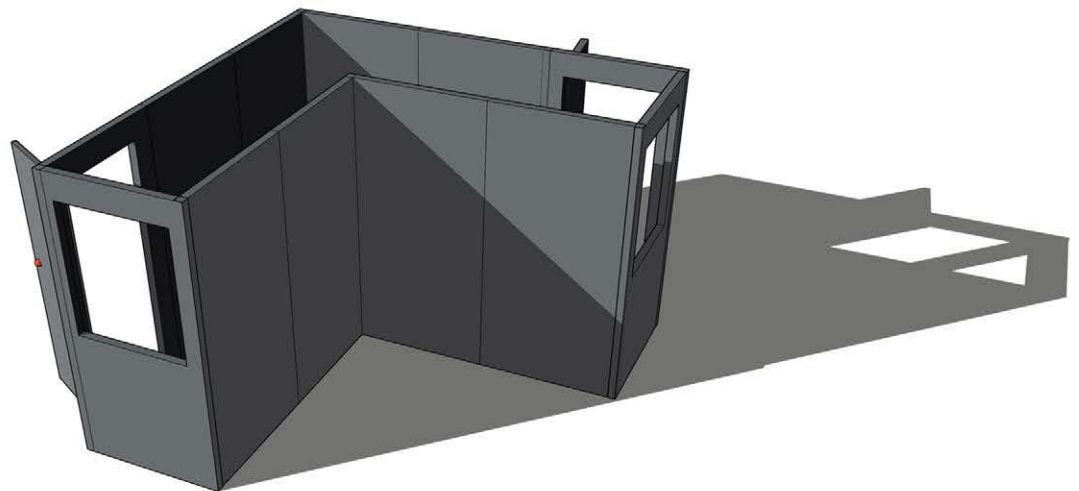
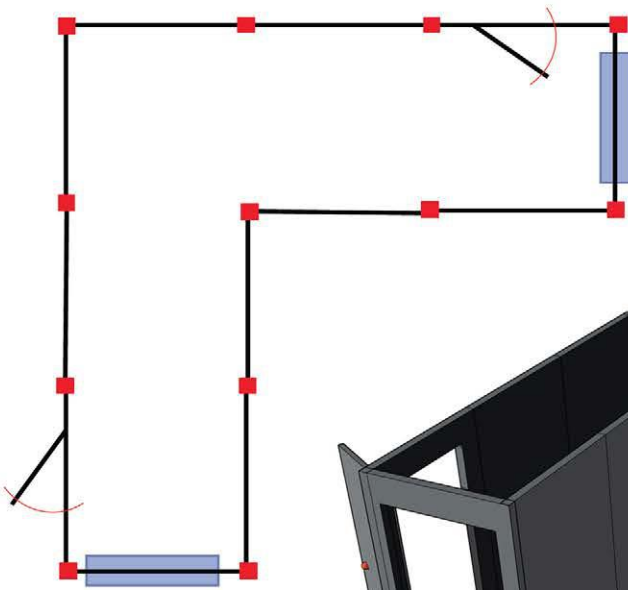
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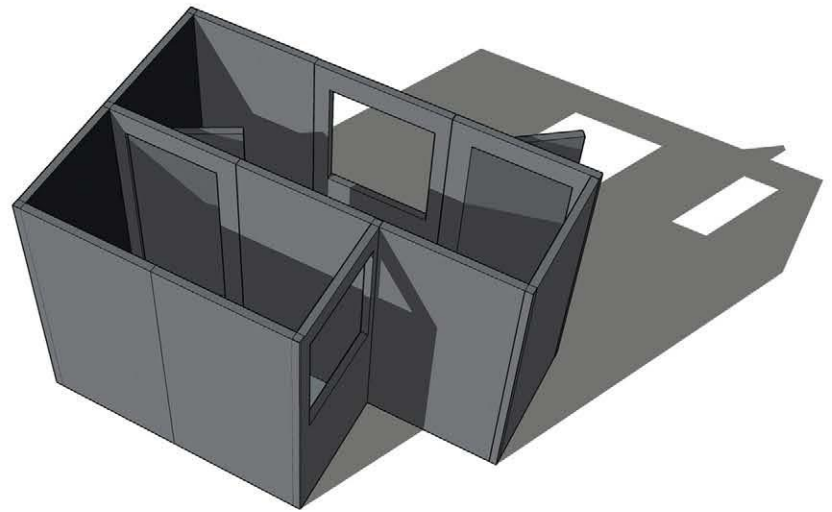
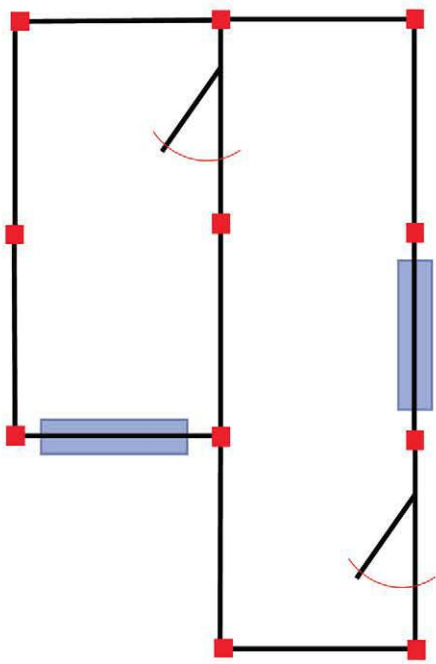
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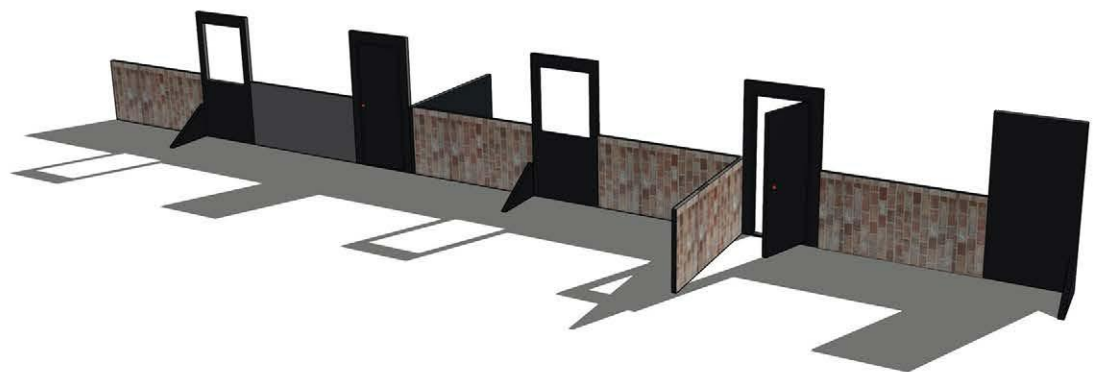
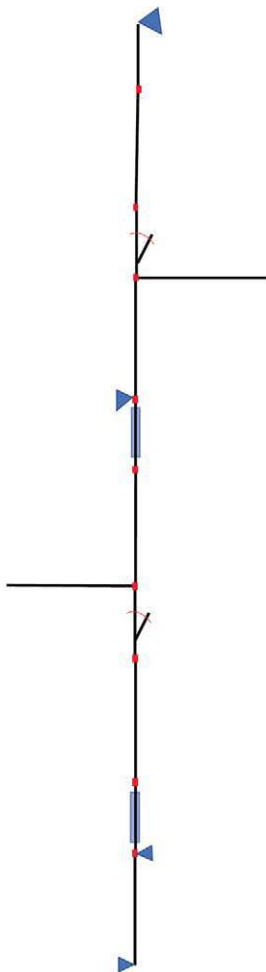
Representation of Configuration

E



Representation of Configuration

F



Representation of Configuration



AMIDON BALLISTIC CONCRETE™

Why Amidon Ballistic Concrete (ABC)?

Amidon Ballistic Concrete absorbs thousands of bullets in the same spot, including 50cal, without fragmenting or ricocheting. Extensively tested by the U.S. Military, ABC has proven and documented benefits over traditional live-fire structures such as steel, rubber or gravel-encased systems. ABC safely absorbs the greatest capacity for rounds and is easily repaired, thereby reducing maintenance costs and downtime.

Range 230, TwentyNine Palms, CA



Live-Fire Training Village

(10 buildings total , 2 two-story structures)



Two Live-Fire Villages

(34 buildings total including 9 two-story structures)

Amidon Ballistic Concrete has the distinction of building the largest ballistic live-fire facilities for the U.S. Military including at TwentyNine Palms, CA. The entire project amounted to 34 buildings, 4,800 ballistic walls and 18,000 target blocks and was designed, fabricated, installed, tested and cleared for service within 270 days.

Live-fire MOUT Villages, Fort Polk, LA



Live-Fire Building MOUT Site

(22 x buildings total including 8x two-story structures)



Live-Fire Training Lane Trench Line with Bunkers

Two Live-Fire Trench Complexes

Fort Polk - JRTC specced out a MOUT Village, including a Mosque, constructed 100% from Amidon Ballistic Concrete.

The Amidon Ballistic Concrete™ Difference –



Most Advanced
Ballistic Concrete



Custom Design
and Development



Technology for
Virtual Design



Multi-story Capability
and Modular Design



Enhanced Realism

Amidon Ballistic Concrete™ – Training facilities and ranges unlike any other



AMIDON BALLISTIC CONCRETE™



Approximately 12,321 cu. Yds. of Amidon Ballistic Concrete were used to produce the block, floor plank, curbing, stairs and stair landings to complete the project. It took a crew of 48 approximately 170 days to produce and erect the 27 structures.

The structures were designed and laid out to simulate potential fighting soldiers would encounter in close combat urban environments. Structures made from Amidon Ballistic Concrete are modular and can be reconfigured in the event needs change.



The Amidon Live-Fire Training Capability

Since 2005 360° Ballistics has been manufacturing the world's safest and most sustainable live-fire shoot houses. We have created some of the largest and most challenging training spaces for military and law enforcement. With over 180 million rounds captured and no failures in the field, a properly maintained Amidon Shoot house can be expected to perform for many decades.

Revolutionary High Performance Shock Absorbing Material (HPSAM)



Technical Data

- Made from Amidon Shield 4,500 psi (HPSAM)
- Capable of being installed by a mason using standard grout
- Blocks are top-filled with Amidon Shield (HPSAM) to form a UL752 Level 10 wall system
- Each block is 8" (H) x 8" (D) x 16" (W) and weighs 22 Lbs
- Custom order quantities starting at 1,000 units



For more information please contact us on +61 02 6051 7000
or email info@3-delta.com.au



NON-BALLISTIC PLASTIC VEHICLE FACADE – SEDAN

Capability Description

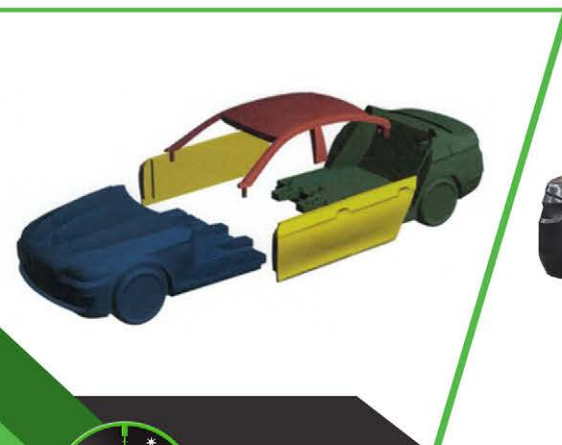
The Non-ballistic Plastic Vehicle Façade – Sedan is a full-scale vehicle designed for safely firing small arms from behind or around it. It serves as a downrange façade, concealing targets internally or externally. The design allows for specialist shooting applications with an optional fitted windscreen. Made from UV-stabilized Polyethylene for durability, it allows for extended outdoor use in harsh conditions.

Training Applications

- Tactical movement and use of cover drills.
- Mitigates hard target safety protocols.
- Practice shot placement for internal targets at various ranges and orientations.
- Tow-able moving target, or robot mounted for Independent control.
- Can be user modified to achieve specific training needs: ie Fitted with headlights to generate low light shooting scenarios.

Specifications

- **Total weight:** 335kg (Four person lift).
- **Storage:** Indoor/Outdoor.
- **Colour:** Any solid block colour.
- **Floor pan:** Can hold up to 250 Kg.
- **Construction:** Five segments, joined by plastic nylon bolts. Doors are non-operable.
- **Maintenance:** Segments can be replaced, patched, washed and painted.



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or email info@3-delta.com.au



NON-BALLISTIC PLASTIC SPORTS UTILITY VEHICLE FACADE – SUV

Capability Description

The Non-ballistic Plastic Vehicle Façade – SUV is a full-scale vehicle designed for safely firing small arms from behind or around it. It serves as a downrange façade, concealing targets internally or externally. The design allows for specialist shooting applications with an optional fitted windscreen. Made from UV-stabilized Polyethylene for durability, it allows for extended outdoor use in harsh conditions.

Training Applications

- Tactical movement and use of cover drills.
- Mitigates hard target safety protocols.
- Practice shot placement for internal targets at various ranges and orientations.
- Tow-able moving target, or robot mounted for Independent control.
- Can be user modified to achieve specific training needs ie: Fitted with headlights to generate low light shooting scenarios.

Specifications

- Total weight: 395kg (Four-person lift).
- Size: L4728 x W1920 x H1854 mm..
- Storage: Indoor/Outdoor.
- Colour: Any solid block colours.
- Floor pan: Can hold up to 250 Kg.
- Construction: Five segments, joined by plastic nylon bolts. Doors are non-operable.
- Maintenance: Segments can be replaced, patched, washed, and painted.



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NON-BALLISTIC PLASTIC FURNITURE ITEMS

TRAINING SUPPORT EQUIPMENT (TSE)

Capability Description

The Non-ballistic Plastic Furniture consists of full scale furniture items designed specifically to support the safe firing of small arms within the wall pack set up. Designed to accommodate realistic ops training for specialist shooting applications.



1. Desk	25kg	1500 x 800 x 720mm
2. TV	4.5kg	450 x 500 x 400mm
3. Coffee Table	13kg	900 x 600 x 450mm
4. Chair	10kg	600 x 500 x 800mm
5. Filing Cabinet	22kg	500 x 640 x 1320mm
6. Couch	24kg	1500 x 600 x 780mm
7. Single Bed	41kg	1970 x 900 x 750mm
8. Book Case		1000 x 300 x 1120mm
9. Monitor		500 x 300 x 320mm
10. Computer Case		200 x 350 x 350mm



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MURRAY MANNEQUIN

Capability Description

Murray the Mannequin is a versatile three-dimensional human target, meticulously designed to meet a wide range of training scenarios. Its robust outer shell, crafted from durable, self-healing polyethylene plastic, is built to withstand rigorous use and can be easily customised to suit diverse end-user training requirements.

Inside, the innovative **Lethal Skeletal (Vital Zone)** system provides realistic anatomical targets, delivering positive visual feedback upon impact, making it an invaluable tool for live-fire marksmanship training. This enhances the training experience by reinforcing accuracy and shot zone placement.

Training Applications

- Visual hit detection for vital zone (Live fire).
- 3D vital zone engagement from various angles.
- Free standing easily positioned within a training venue.
- Use of force: Dressed as threat/no-threat targets.
- Robot mountable (Moving target engagement).
- Enhanced realism and shot placement when fitted with decals.
- Non-ballistic targets mitigates hard target safety protocols.
- Ideal for practicing close range or self defence contact shooting drills (No target base).
- Anatomically correct height provides an accurate visual representation of human targets, at all ranges.

Murray's arms can operate independently and are configurable for both rifle and pistol threats, adding flexibility for various scenarios. Additionally, the mannequin can be adjusted to several different heights, making it adaptable to a wide range of training platforms and environments. (You could take this section out and include it as a dot point in its capabilities as well).

Engineered for practical, real-world training solutions, Murray is designed to handle all lethal and non-lethal calibres, ensuring durability and performance under the most demanding conditions.



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MURRAY MANNEQUIN

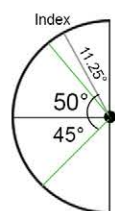
Full Height



Full Height with
Black Legs



On a Robot



Arm Positions



Body Heights



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or email info@3-delta.com.au





MANNEQUIN TARGET TRAINING SUPPORT EQUIPMENT (TSE)

Capability Description

The mannequin offers a versatile three-dimensional human target, perfect for a broad spectrum of training scenarios. Its robust outer shell, crafted from resilient self-healing Polyethylene plastic, can be easily customised to fulfill various training needs. For live fire marksmanship, a rubber head and vital zone can be seamlessly attached, delivering positive visual feedback as they 'drop' upon impact, enhancing the training experience. Alternatively, when a drop function is unnecessary, a Head and Spine insert provides a practical alternative training solution.

Training Applications

- Visual hit detection for vital zone (Live fire).
- 3D vital zone engagement from various angles.
- Free standing easily positioned within a training venue.
- Use of force: Dressed as threat/no-threat targets.
- Robot mountable (Moving target engagement).
- Enhanced realism and shot placement when fitted with decals.
- Non-ballistic targets mitigates hard target safety protocols.
- Ideal for practicing close range or self defence contact shooting drills (No target base).
- Anatomically correct height provides an accurate visual representation of human targets, at all ranges.

Specifications

- Height: 1800 mm.
- Weight: Body: 8.5kg, Rubber head and vital zone: 3.5 kg, Head and Spine: 1kg
- Colour: Body: Flesh tone, Head: Black.
- Maintenance: Components can be replaced, patched, washed and painted.

Drop Head Configuration



Product Codes:

- Body: 556-010-010
- Head: 556-110-101
- Vital Zone: 556-110-102
- Head and Spine: 556-010-010

Head and Spine Insert



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Targetry



TARGETRY TRAINING SUPPORT EQUIPMENT (TSE)

Capability Description

3 Delta target boards have been extensively tested for reliability, durability, and safety. 3 Delta is able to customise the shape and image to suit end user requirements using self-healing plastic, core flute and aluminium materials.

BOARDS | Plastic - Aluminium - Coreflute

Traditional coffin shaped target boards are the prime targets to equip the marksman. 3 Delta also offers customised profile outline figures to enhance the capabilities of training, providing realistic scenarios in a combat environment. 3 Delta realistic Fig11 D Human figure can be customised with camo (desert or jungle), weaponry and head gear in a variety of positions and board sizes (kneeling, prone, crew).

The world leading Advanced Range Operating System (AROS) is a next generation software capability that enables a single operator to easily control and supervise complex range practices across multiple live fire environments with maximum speed and efficiency. Targets can be printed with vital zone and group and zeroing which coincide with the software to allow visual accuracy.

DECALS

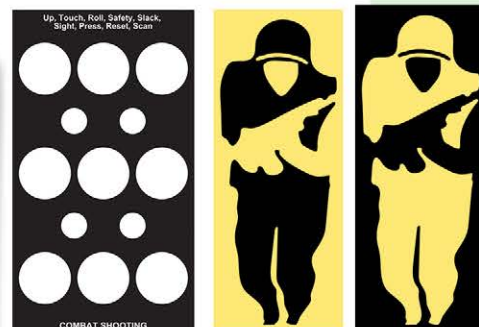
3 Delta uses a woven fabric material to extend usable life of the decal and is backed with a strong adhesive, designed to stick to any surface. Decals are simple to apply and able to provide survivability to the target boards. Decals are digitally printed to a user's specifications or training requirements.

SOCKS

3 Delta target socks slip over target boards to provide a friend or foe capability for use with turning electro mechanical targetry. Digitally printed to customers specifications and manufactured with self healing material to extend usable life.

THERMAL

3 Delta provide both active and passive thermal targets for small arms and combined arms live fire engagements.



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Small Arms



556-110-528



Figure 11, H (Human) Dual Sided

Target: 8mm COREFLUTE

Specs: Shoulder profile width: W457 x H1220mm / 1kg

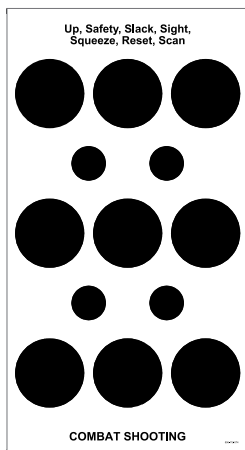
Regular standing Fig 11, Human, AK47, with 300 x 370mm 10.0mm cross hatch and aiming circle, profile cut for core flute. This target is dual sided with reverse side mirrored with vital zone outline.

Desert and Jungle Cam available.

Single sided targets with or without hatching/vital zone available. Can provide appropriate hatching on request to match weapon site adjustments at preferred zero distance.

Other positions available, Fig 12, Fig 13 and custom positions or crew available at request.

556-112-074



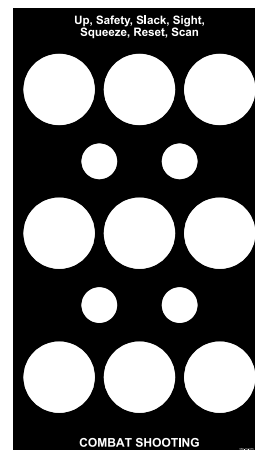
Multiple Grouping Circles, Black on White

Target: DECAL

Specs: W420mm x H750mm / 200g

Printed on high quality decal material for grouping practice related to combat shooting applications.

556-112-075



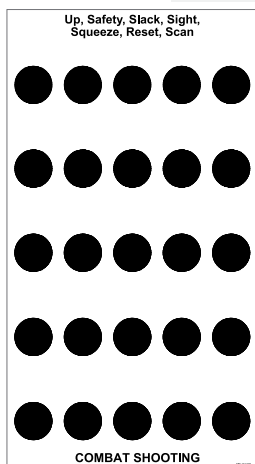
Multiple Grouping Circles, White on Black

Target: DECAL

Specs: W420mm x H750mm / 200g

Printed on high quality decal material for grouping practice related to combat shooting applications. White background assists with sight picture alignment.

556-112-076



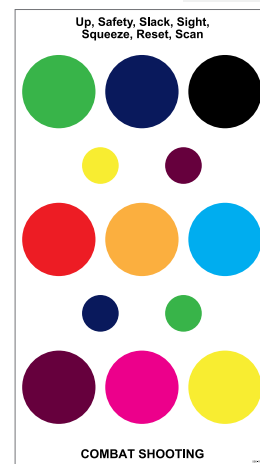
Multiple Grouping Circles small, Black on White

Target: DECAL

Specs: W420mm x H750mm / 200g

Available in the black on white/ white on black and coloured on black. Primarily used to practice marksmanship fundamentals with hand gun and rifle. The small circles require patience and discipline and are a great training tool for new or experienced shooters.

556-112-077



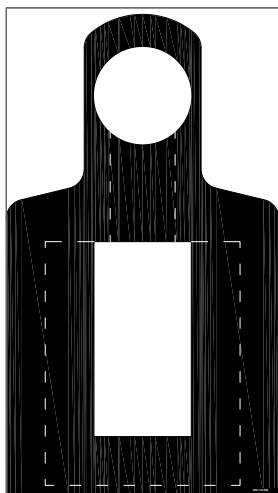
Multiple Grouping Circles, Colour on White

Target: DECAL

Specs: W420mm x H750mm / 200g

Primarily used to practice marksmanship fundamentals with hand gun and rifle. The small circles require patience and discipline and are a great training tool for new or experienced shooters.

556-110-506



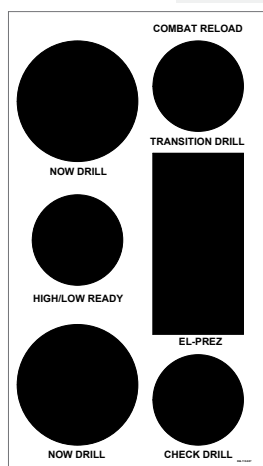
Human Figure, Head & Chest

Target: DECAL

Specs: W420mm x H750mm / 200g

Printed on high quality decal material to provide a human figure target with a head and chest scoring zone for combat shooting applications.

556-110-507



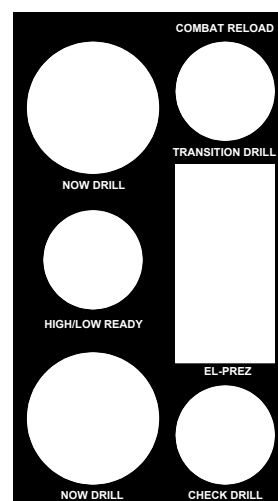
Operator Standards, Black on White

Target: DECAL

Specs: W420mm x H750mm / 200g

Printed on high quality decal material to enable the practice & testing of timed Operator shooting standards with rifle and pistol.

556-110-508



Operator Standards, White on Black

Target: DECAL

Specs: W420mm x H750mm / 200g

Printed on high quality decal material to enable the practice & testing of timed Operator shooting standards with rifle and pistol. White background assists with sight picture alignment.

556-112-007



Patch out Black

Accessories: DECAL

DECAL, Patch-Out, Black, 20mm Dia, Self Adhesive Supertack

556-112-008

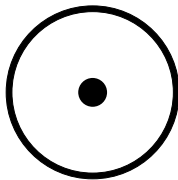


Patch out White

Accessories: DECAL

DECAL, Patch-Out, White, 20mm Dia, Self Adhesive Supertack

556-110-510



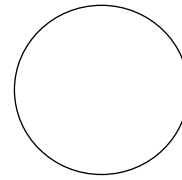
Single Circle Aiming Mark

Target: DECAL

Specs: D150mm / .5kg (pack of 50)

Printed on high quality decal material to provide a single aiming mark for combat shooting applications.

556-110-512



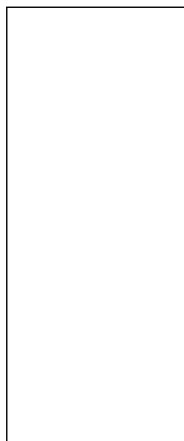
Blank, Circle

Target: DECAL

Specs: D150mm / .5kg (pack of 50)

Printed on high quality decal material to provide a clean target area to replace the head of the Human Figure Head & Chest decal below when shot out.

556-110-511



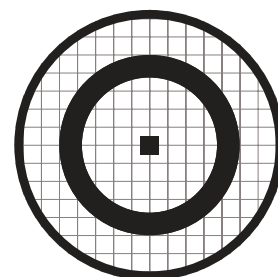
Blank, Rectangle

Target: DECAL

Specs: W150mm x H300mm / .5kg (pack of 50)

Printed on high quality decal material to provide a clean target area to replace the chest of the Human Figure Head & Chest decal to the right when shot out.

556-112-018



Zero Circle

Target: DECAL

Specs: D150mm / .5kg (pack of 50)

Single aiming mark for combat shooting applications.

Rings: D150mm, D100mm, D75mm.

Also used for Group and Zero targets.

Steel Targets



STEEL

3 Delta steel targets have been designed by the end user for close, intermediate and long range engagements using pistol and rifle. 3 Delta uses 600 Hardox steel for the target and support structure. Our steel has been intensively tested for reliability, durability and safety and is considered a controlled surface allowing safe engagements at reduced distance.

Steel Targets

556-107-076



Steel, Energy Wash

Target: PLATE

Specs: L750mm x D638mm x H1713mm / 23kg

Deployable steel target with a Brinell Hardness of not less than 600 steel plate and 5 degree repose target stand with interchangeable steel plate target capability. Suited for rifle and pistol engagements to provide immediate visual & acoustic feedback to the shooter & instructor.

556-107-017



Steel, Vital Zone Head and Chest Flapper

Target: PLATE

Specs: W750 x D638 x H1713mm / 28kg

Deployable steel target with a Brinell Hardness of not less than 600 steel plate and 5 degree repose target stand with interchangeable steel plate target capability.

The target has two internal flapper plates within the vital zones that move when shot. Suited for close range pistol engagements and long-range rifle engagements to provide immediate visual and acoustic feedback to the shooter & instructor.

556-107-307



Steel, Spinner, Human Figure

Target: SPINNER

Specs: L750 x D638 x H1340mm / 66kg

Deployable steel target with a Brinell Hardness of not less than 600 steel plate that spins when shot. The target can be easily disassembled for shipping and storage. Suited for long-range rifle engagements to provide immediate visual and acoustic feedback to the shooter & instructor.

556-107-306



Steel, Spinner, Head

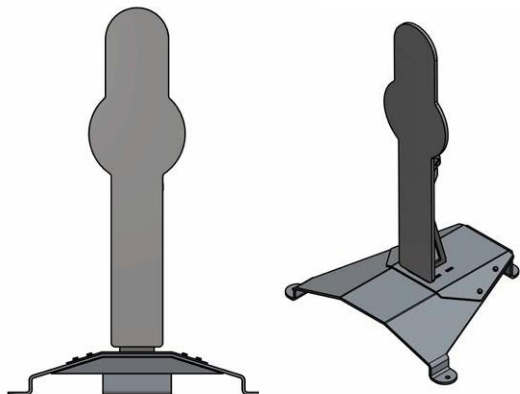
Target: SPINNER

Specs: L750 x D638 x H1340mm / 25kg

Deployable steel target with a Brinell Hardness of not less than 600 steel plate that spins when shot. The target can be easily disassembled for shipping and storage. Suited for long-range precision rifle engagements to provide immediate visual and acoustic feedback to the shooter & instructor.

Steel Targets

556-107-304



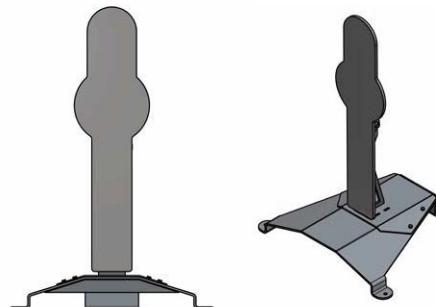
Steel, Self-Resetting, Medium Popper

Target: POPPER

Specs: L750 x D638 x H1127mm / 28kg

Deployable steel target with a Brinell Hardness of not less than 600 steel plate that flips back when shot and automatically resets itself back into an upright position. Suited for long-range rifle engagements to provide immediate visual and acoustic feedback to the shooter & instructor.

556-107-309



Steel, Self-Resetting, Small Popper

Target: POPPER

Specs: L750 x D638 x H695mm / 15kg

Deployable steel target with a Brinell Hardness of not less than 600 steel plate that flips back when shot and automatically resets itself back into an upright position. Suited for long-range rifle engagements to provide immediate visual and acoustic feedback to the shooter & instructor.

556-107-014



Steel, Gong, Medium

Target: GONG

Specs: L1386 x D1219 x H929mm / 50kg

Deployable steel target with a Brinell Hardness of not less than 600 steel plate gong. Suited for long-range rifle engagements to provide immediate visual and acoustic feedback to the shooter & instructor.

556-107-240



Steel, Duelling Tree

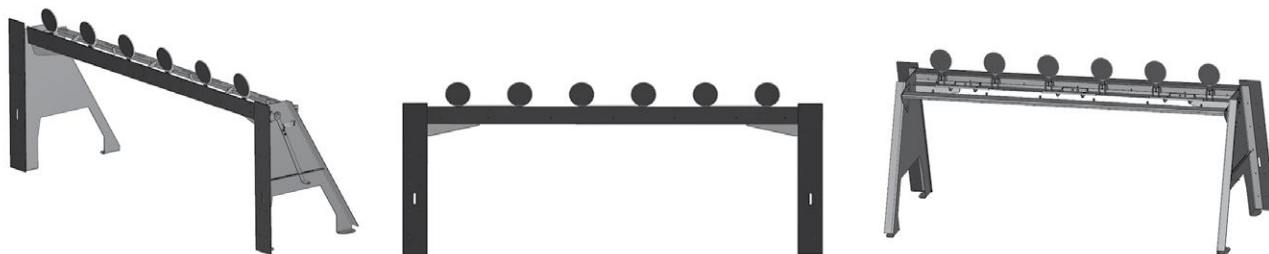
Target: PLATE

Specs: L750 x D638 x H1554mm / 35kg

Deployable steel target with a Brinell Hardness of not less than 600 steel plate swinging target that flips from side to side when shot. Provides immediate feedback to the shooter, promotes, rapid sight alignment, recoil management, speed and accuracy. Plates are replaceable.

Steel Targets

556-107-400
556-107-420



Steel, Six Plate Rack

Target: REACTIVE / GONG PLATES

Specs: L3445 x D990 x H1422mm / 181.4kg

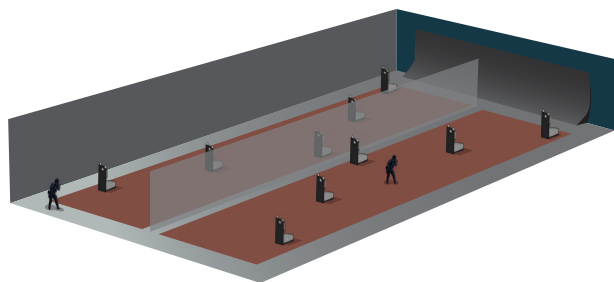
Deployable steel target with a Brinell Hardness of not less than 600 steel plate eight plate rack for pistol shooting with a single reset capability. Provides immediate feedback to the shooter, promotes, rapid sight alignment, recoil management, speed and accuracy.

Plates are replaceable.

8 plate rack available; 556-107-122. L3300

25M REACTIONARY TARGET RANGE

Concept



PLEASE ENQUIRE



RTR, Electronic Steel Range

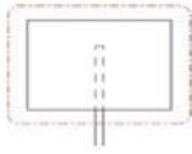
Target: REACTIVE

Specs: H1628mm X W450mm / 150kg

The Reactionary Target Range (RTR) is a fast paced electronically controlled steel range designed for pistol applications. Designed to test the firers reactions further than any other steel target range available on the market today. Each target paddle has the ability to be raised or lowered within a fraction of a second, give timed exposures, record hits, and misses where a timed exposure has expired.

Training Support Equipment & Accessories

556-110-300



Board, White

Target: COREFLUTE

Specs: W900mm x H750mm / 1kg

Consumable COREFLUTE target board that attaches to 3 Delta PVC target post & to enable two combat shooting decals to be attached side by side.

556-110-104



Post, PVC

Target: POST

Specs: W50mm x W50mm x H1500mm / 2kg

Consumable self healing target post made from a ricochet safe PE material that lasts longer than timber and removes fire hazard within indoor ranges caused by a build of timber fragments. Targets can be attached using self-tapping screws or heavy duty staples.

556-850-040



Base, Post, Barricade, Façade

Target: BASE / POST

Specs: H215 x W105mm / 2kg

Heavy duty rubber and aluminium target post & façade base designed to hold 50mm x 50mm PVC target post with target board capable of resisting high wind conditions without topping over. Compatible with the 3 Delta non-ballistic façades and shoot walls.

052-669



Base, Donut

Target: BASE

Specs: W415 x H36mm / 8kg

Heavy duty rubber donut designed to fit over the top of the existing donut for additional stability.

556-112-005

123

Numbers, 0-9, Decal for Barricade

Accessories DECAL

Numerals for Barricade, 55 x 55mm, 10mm Thick Tan Text, Self Adhesive Supertack

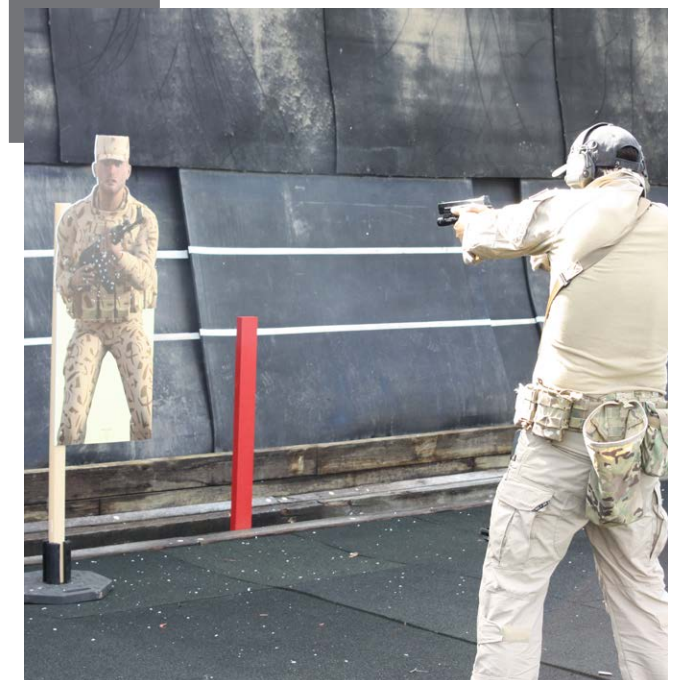
556-112-006

ABC

Letters, Alphabet, Decal for Barricade

Accessories DECAL

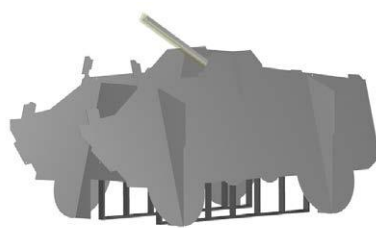
Letters for Barricade, A - G Letters, 55 x 55mm, 10mm Thick Tan Text, Self Adhesive Supertack



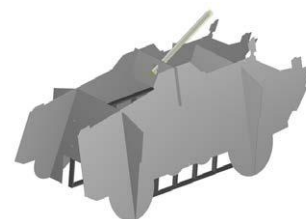


Combined Arms

Full Scale Targets



556-107-111

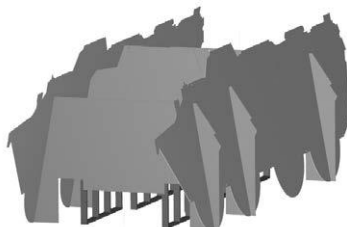


Full scale CRV, Steel BRDM-2, 3D

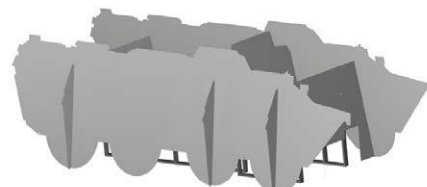
Target: STEEL

Specs: 5720 x 2235 x 2319mm / 1645kg

Full scale Combat Reconnaissance Vehicle (CRV) is designed specifically to support the safe firing of combined arms from behind and around the tank. As a down range silhouette target, the modular CRV can be engaged with small arms through to main armourat. The steel can be identified by thermal CRV sights easily. The CRV at life end will be used as scrap metal.



556-107-112

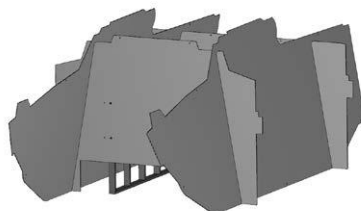


Full scale CRV, Steel BTR-80, 3D

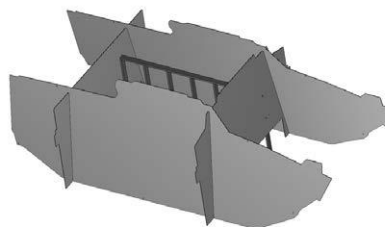
Target: STEEL

Specs: 7764 x 2900 x 2360mm / 2570kg

Full scale Combat Reconnaissance Vehicle (CRV) is designed specifically to support the safe firing of combined arms from behind and around the tank. As a down range silhouette target, the modular CRV can be engaged with small arms through to main armourat. The steel can be identified by thermal CRV sights easily. The CRV at life end will be used as scrap metal.



556-107-254



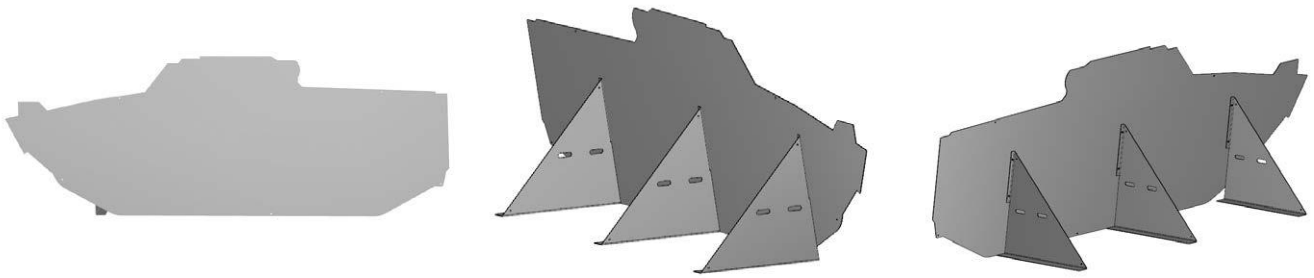
Full scale CRV, Steel BMP-2, 3D, Gen II

Target: STEEL

Specs: 6736 x 2279 x 3338mm / 2240kg

Full scale Combat Reconnaissance Vehicle (CRV) is designed specifically to support the safe firing of combined arms from behind and around the tank. As a down range silhouette target, the modular CRV can be engaged with small arms through to main armourat. The steel can be identified by thermal CRV sights easily. The CRV at life end will be used as scrap metal.

556-107-391



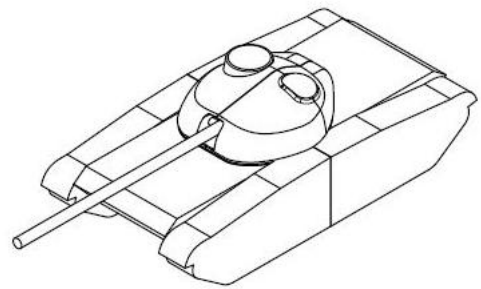
Full scale CRV, Steel BTR-80, 2D

Target: STEEL

Specs: 6736 x 1517 x 2367mm / 1005kg Full sized 2D Tank Target assembled

Full scale Combat Reconnaissance Vehicle (CRV) is designed specifically to support the safe firing of combined arms from behind and around the tank. As a down range silhouette target, the modular CRV can be engaged with small arms through to main armament. The steel can be identified by thermal CRV sights easily. The CRV at life end will be used as scrap metal.

556-107-118



Full scale MBT, Plastic Tank T-80

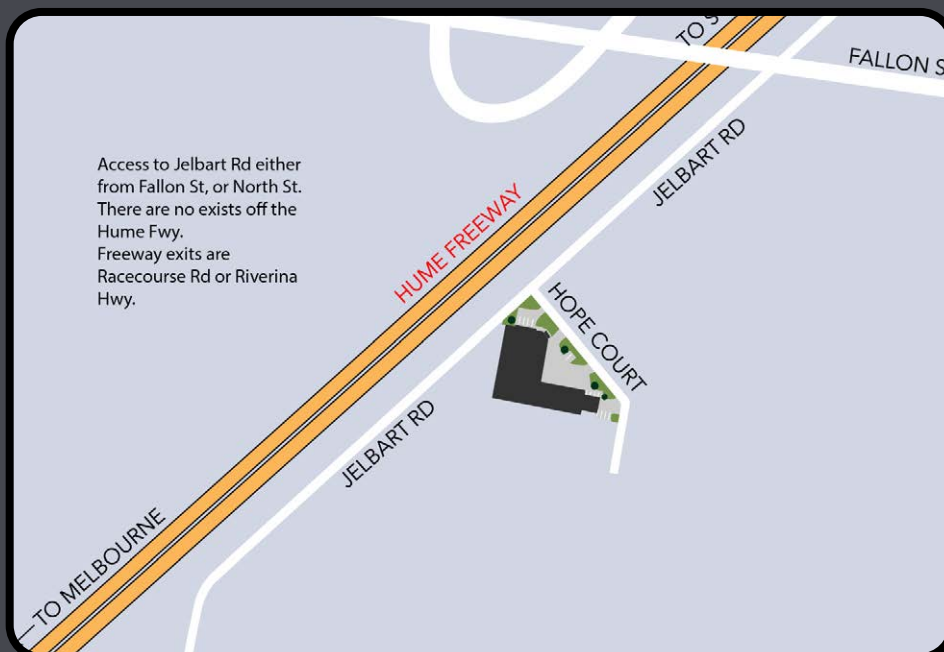
Target: PLASTIC

Specs: 6960 x 2170 x 3426mm / 595kg Full sized Tank Target assembled

Full scale Main Battle Tank (MBT) is to scale and provides firers the ability to engage a 3 dimensional realistic target. The MBT has limited self healing capabilities from small arms and is capable to survive repeated engagements by larger calibre weapons. The MBT is 100% recyclable, a five piece modular design and extremely cost effective. The MBT can be employed in a static or mobile configurations. High Density Polyethylene.



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3 Delta is the world leader in the conduct of innovative live fire and immersive training solutions in order to prepare and condition an individual for the rigors of a live operational environment.



3 Delta is to consistently deliver world's best live-fire target systems for the marksman through a relentless pursuit of excellence in innovative design, project management, systems development, installation and maintenance.