

EDGE

**FUTURE
POSSIBLE.
AIR.
SPACE.
BEYOND.**

EDGE PRODUCT LIST





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WE ARE EDGE



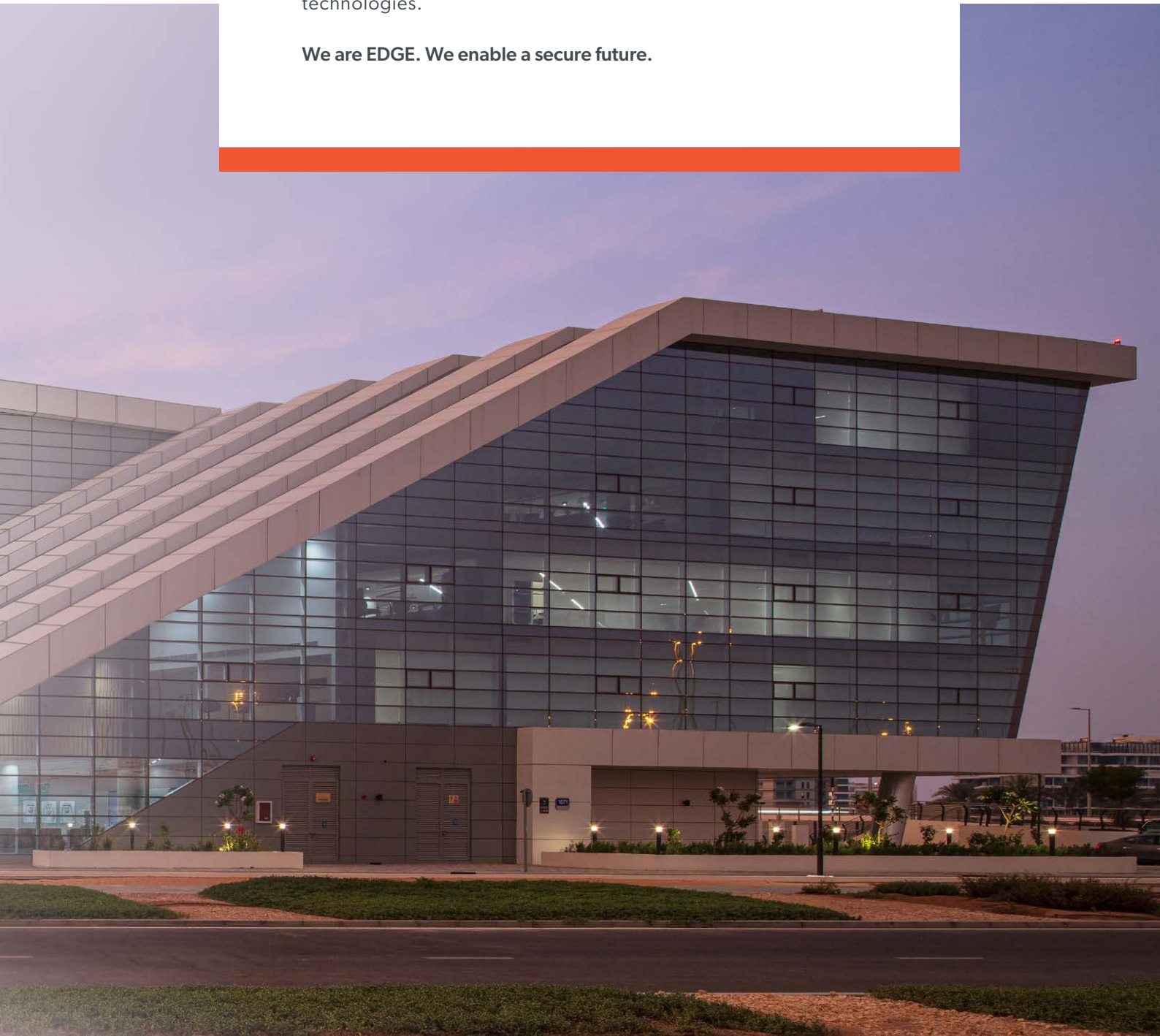
ADVANCED TECHNOLOGY FOR DEFENCE & BEYOND

We live in an accelerating world. Characterised by uncharted frontiers, the future is empowered by advanced technology that is galvanising a new breed of players. At the edge of these frontiers exist no limits – where boundless opportunities await.

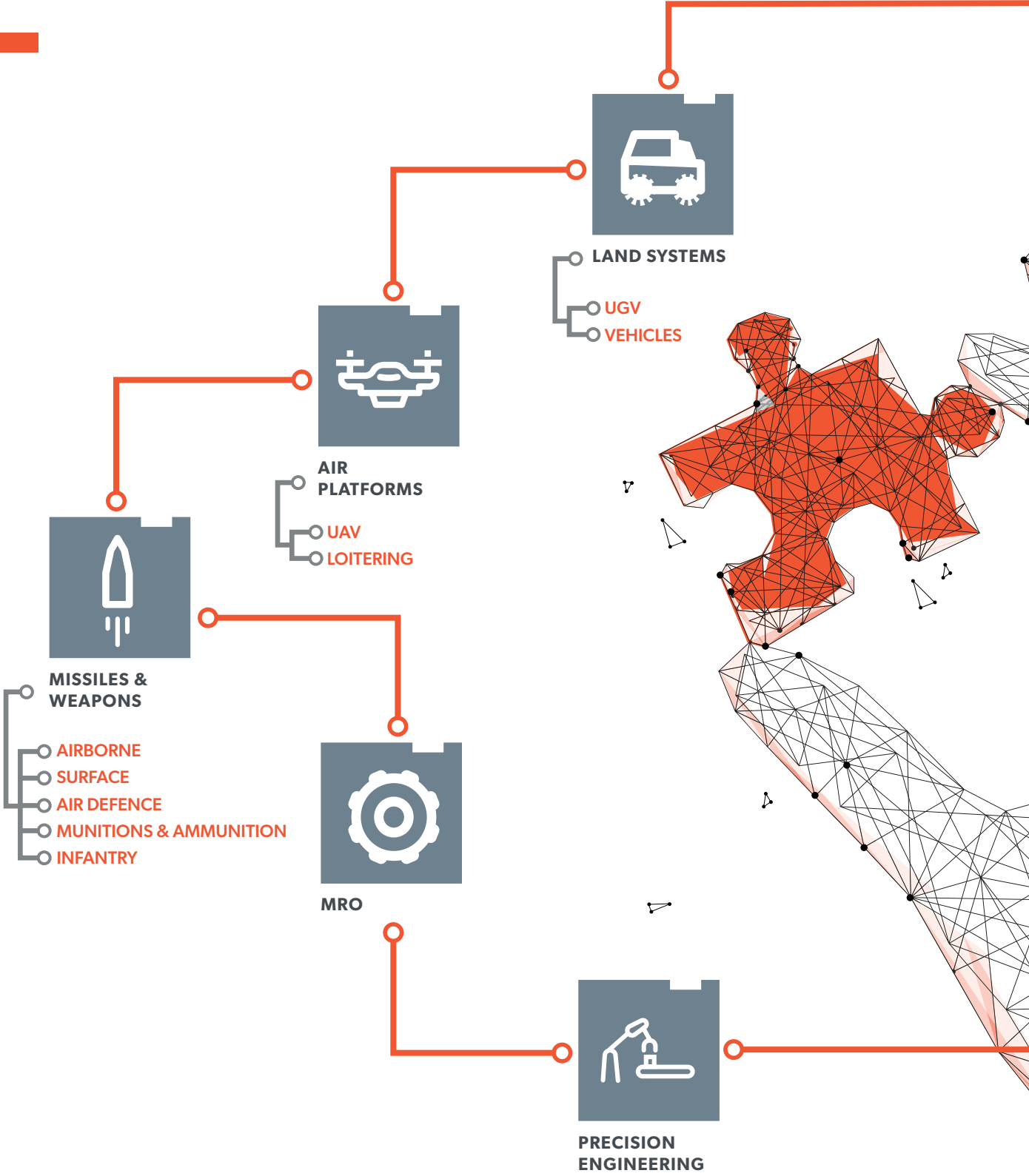
Transforming how we live, and ensuring a more secure future, is what we do. We are EDGE; and our mission is simple: to bring innovative technologies and services to market with greater speed and efficiency.

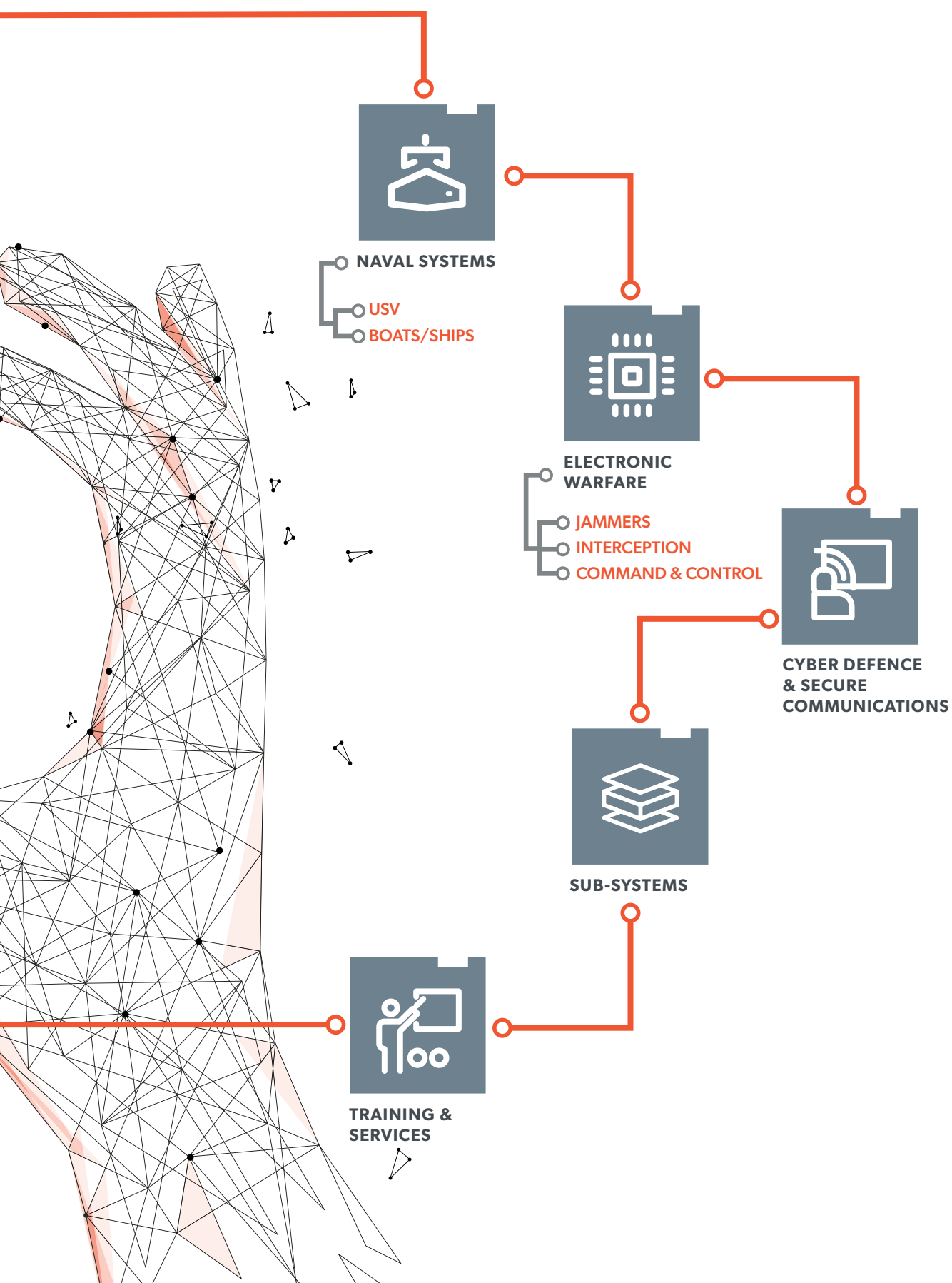
We are driving the development of sovereign capabilities for global export and for the preservation of national security, working with front-line operators, international partners, and adopting advanced technologies.

We are EDGE. We enable a secure future.



OUR SOLUTIONS





EDGE



MISSILES & WEAPONS

ADASI

AL TARIQ

ADVANCED
CONCEPTS

CARACAL

HALCON

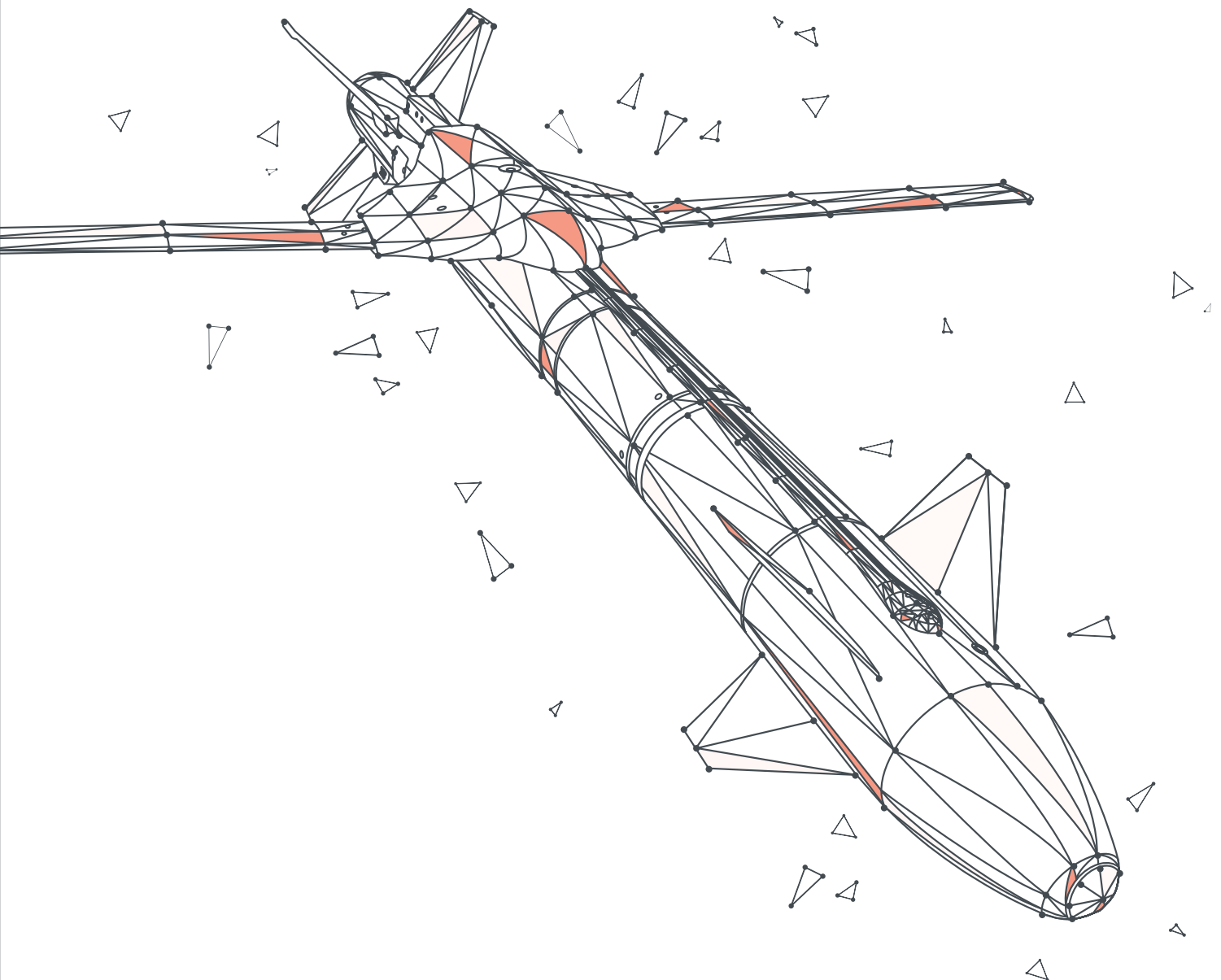
LAHAB
LIGHT AMMUNITION

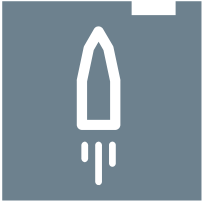
LAHAB
DEFENCE SYSTEMS

MISSILES & WEAPONS

Producing smart, modular munitions with precision targeting capabilities at effective stand-off ranges.

Designing, testing and manufacturing high-performance small arms and ammunition tailored to the requirements of law enforcement, security organisations, military forces and commercial ammunition for the sport and civilian market.





MISSILES & WEAPONS | AIRBORNE PRODUCTS

AL TARIQ



BROCHURE

CLICK TO VIEW

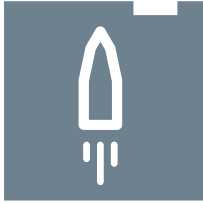


VIDEO

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AL TARIQ LONG RANGE PRECISION GUIDED MUNITIONS

- Al Tariq is a strap-on bomb kit system, used on the Mk-80 family of standard aircraft bombs
- The weapon system provides the user with all-weather, day and night operational capabilities, utilizing
 - GNSS guidance
- Increased targeting accuracy through:
 - Semi-active laser (SAL) seeker
 - Imaging infrared (IIR) seeker
- Hybrid GPS/INS navigation
- Accuracy (excluding Target Location Errors):
 - 10m CEP GPS/GNSS-INS only (C/A code)
 - 2m with IIR seeker
 - 3m with SAL seeker
- Programmable attack angle in azimuth and elevation
- Standard 14" inch bomb rack interface to aircraft
- Fits Mk-80 family of standard NATO warheads
- Long range up to 120km
- Modular with more than 20 configurations based on required missions
- Provide anti-jamming solutions
- Height of Burst sensor integrated



MISSILES & WEAPONS | AIRBORNE PRODUCTS

AL TARIQ



AL TARIQ LR – LONG RANGE

Stand-off range: up to 120km

Warhead: Mk81, Mk82, and Mk83

Guidance: GNSS/INS with IIR or SAL.

Wings installed

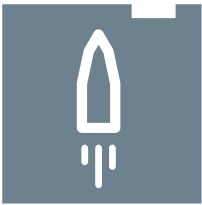


AL TARIQ S – STANDARD RANGE

Stand-off range: up to 45km

Warhead: Mk81, Mk82, and Mk83

Guidance: GNSS/INS with IIR or SAL



MISSILES & WEAPONS | AIRBORNE PRODUCTS

HALCON



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THUNDER P-31

The Thunder is a family of cost-effective, short-range, guidance kit that can be fitted to the MK-82 (P-32) and the MK-81 (P-31) general purpose aerial munitions.

Gross weight: 140kg

Warhead: 110kg

Accuracy: 3m CEP GAINS + SAL seeker /10m CEP GAINS only

Range: >20km @ 30,000 feet



VIDEO

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THUNDER P-32

The Thunder is a family of cost-effective, short-range, guidance kit that can be fitted to the MK-82 (P-32) and the MK-81 (P-31) general purpose aerial munitions.

Gross weight: 240kg

Warhead: 209kg

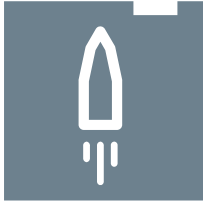
Accuracy: 3m CEP GAINS + SAL seeker/10m CEP GAINS only

Range: >20km @ 30,000 feet



VIDEO

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THUNDER P-4

The Thunder-4, another member of the Thunder family, is a cost-effective, short-range, guidance kit that can be fitted to the MK-84 general purpose aerial munition.

Gross weight: 1,150kg

Accuracy: 3m CEP GAINS + SAL seeker, 10m CEP GAINS only

Range: >15km @ 30,000 feet



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DESERT STING (DS-16)

Desert Sting utilises inertial guidance augmented by global navigation satellite system (GNSS) information (GAINS). A semi-active laser (SAL) seeker configuration further improves accuracy performance against designated targets.

Gross weight: 23kg

Warhead: 12kg

Accuracy: 3m CEP GAINS + SAL seeker/10m CEP GAINS only

Range: >15km @ 30,000 feet 220 knots CAS

Down Range: 16km

Cross Range: 13km

Back Range: 7km



VIDEO

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DESERT STING (DS-25)

The Desert Sting is a family of light weight, air platform released, precision guided glide weapons (GGW).

Gross weight: 47kg

Warhead: 25kg

Accuracy: 3m CEP GAINS + SAL seeker/10m CEP GAINS only

Range: >22km when released at a speed of 250 knots CAS



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DESERT STING DS-16 DUAL RACK

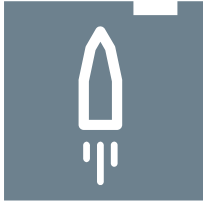
The DS range of Racks support the DS-16 weapon on various piloted and unpiloted platforms. The Dual Rack (2 weapon) caters for both piloted and remotely piloted platforms.

Length: 1,080mm

Width: 388mm

Height: 200mm

Mass: 28kg



FLYER

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DESERT STING DS-16 QUAD RACK

The DS range of Racks support the DS-16 weapon on various piloted and unpiloted platforms. The Quad Rack (4 weapon) caters for piloted platforms.

Length: 1,880mm

Width: 435mm

Height: 200mm

Mass: 45kg



FLYER

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DESERT STING DS-25 DUAL RACK

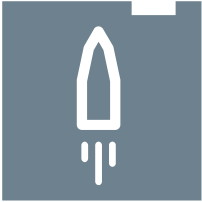
The DS range of Racks support the DS-25 weapon on various piloted and unpiloted platforms. The Dual Rack (2 weapon) caters for both piloted and remotely piloted platforms.

Length: 1,095mm

Width: 450mm

Height: 230mm

Mass: 34kg



MISSILES & WEAPONS | AIRBORNE PRODUCTS

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SKYKNIGHT

The Skynex SkyKnight air defence system provides rapidly deployable, comprehensive inner-layer protection against a wide variety of asymmetric and conventional threats, including rockets, artillery shells, mortars (RAM), ballistic bombs and stand-off weapons.



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VIDEO

MISSILES (INTERCEPT RANGE)

RAM threats: 4,000m

PGM, CM: 6,000m

Rotary wing, CM and UAV: 10,000m

Fixed wing: 10,000m / 8,000m (maneuvering)

GUNS (employing the applicable AHEAD ammunition version)

FW/RW: 4,000m

Mortars, small UAVs: 1,500m

RATE OF FIRE

Up to 4 x RG Mk3 guns: 1,000 rounds/minute per gun

Up to 20 x missiles simultaneously per MLU

Up to 80 x missiles in flight at the same time

MISSILE PARAMETERS

Length: 2.2m

Diameter: 115mm

Wing span: 300mm

Mass: 35kg



SKYKNIGHT MISSILE LAUNCHER UNITS

Mass (empty): 4500kg

Total mass: 8,800kg

Number of missiles: 60

Rate of fire: 5/sec

Dimension: 20ft ISO container



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VIDEO



MISSILES & WEAPONS | AIR DEFENCE

PRODUCTS

HALCON



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SABER

The Saber provides an air launched capability against strategic targets with precision-strike at long stand-off ranges.

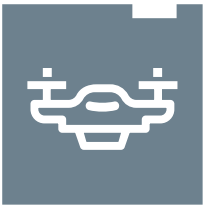
Take off weight: 1,200kg

Warhead: <450kg

Max altitude: 20,000 feet

Cruising speed: 0.8mach

Range: 290km



MISSILES & WEAPONS | AIRBORNE PRODUCTS ADASI



RASH - 1 M

The RASH precision-guided munition is a modern glider system featuring advanced automation and communication technology. This system is modular, low-cost, and highly configurable to fit onto most existing aircraft system.

Weight (with munition shell): 2.5kg

Max operating speed: 80m/s

Flight control: Fully autonomous

Guidance: GPS INS

Current targeting: Payload or fixed co-ordinate

Max dive angle: 70 degrees



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RASH - 2 M

The RASH-2M converts a standard mortar into a low-cost, high-precision guided munition system capable of swiftly engaging unexpected small- to medium-sized threats.

Weight of guided munition: 14.5kg

Max operating speed: 150 m/s (540 km/h)

Flight control: Fully autonomous

Guidance: GPS INS

Current targeting: Fixed coordinates / target of opportunity

Max dive angle: 70 degrees



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VIDEO

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MISSILES & WEAPONS | AIRBORNE PRODUCTS ADASI



RASH - 2 H

RASH-2H is a low-cost, high-precision guided munition system capable of swiftly engaging unexpected small to medium-sized threats. The system is ideal for patrol missions, border security, and accurately eliminating high-value threats.

Weight of guided munition: 14.5kg

Max operating speed: 140m/s (500 km/h)

Flight control: Fully autonomous

Guidance: GPS INS

Current targeting: Payload or fixed coordinates

Max dive angle: 30-60 degrees



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RASH - 3 H

With its cost-effective pricing, the RASH-3 provides rapid engagement and neutralization of small-to medium-sized threats via a high-precision guided munition system.

Weight of guided munition: 33kg

Max operating speed: 190 m/s (685 km/h)

Flight control: Fully autonomous

Guidance: GPS INS

Current targeting: Payload or fixed coordinates

Max dive angle: 30-60 degrees



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MISSILES & WEAPONS | SURFACE PRODUCTS **HALCON**



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MANSUP-ER

Range: 200kms

Speed: 705km/h

Seekers: Active Radar Seeker

Payload: 150kg warhead

- Sea-state adapted sea skimming
- On-board altimeter
- Flexible 3D Waypoints
- All-weather capability
- Operational Flexibility: unlimited overland flight, terminal manoeuvres, land attack capability, simultaneous (time-on-target) missiles attack

MANSUP

Range: 70 kms

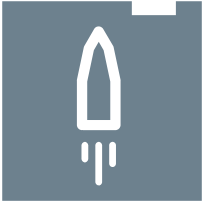
Speed: 954 km/h

Seekers: Active Radar Seeker

Payload: 150 kg Warhead

- Sea-state adapted sea skimming
- On-board altimeter
- All-weather capability
- Operational Flexibility: unlimited overland flight, terminal manoeuvres, land attack capability, simultaneous (time-on-target) missiles attack





MISSILES & WEAPONS | INFANTRY PRODUCTS

CARACAL



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ENHANCED F

The CARACAL Enhanced F pistol is the elite choice in law enforcement sidearms. Chambered in 9mm, it is ideal for self-defence, concealed carry, and combat, with a simplified design and polymer construction that ensures affordability.

Calibre: 9 x 19mm

Operating principle: Short Recoil, Locked-Breech

Modes of fire: Semi-auto

Trigger type: Short double action

Magazine: 18 rounds

Barrel length: 105mm

Weight w/o magazine: 670g

Grip frame: Black, polymer storage compartment



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FLYER

CARACAL F GEN II

The CARACAL F Gen II Semi-automatic pistol has been put through a rigorous development programme to deliver the most competitive pistol to the end-user. The new pistol comes with a completely new integrated solid slide, an enhanced trigger with improved performance and the adaptation of a MIL-SPEC picatinny rail (MIL-STD-1913) to allow the attachment of multiple accessories.

Calibre: 9 x 19mm

Operating principle: Short Recoil, Locked-Breech

Modes of fire: Semi-auto/Manual safety optional

Trigger type: Short double action

Magazine: 18 rounds

Barrel length: 105mm

Weight w/o magazine: 690g

Grip frame: Black, polymer storage compartment



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VIDEO



CARACAL



CMP9 SMG

The CMP9 SMG is a modern and modular weapon operating on advanced blowback system chambered in 9x19mm calibre.

Calibre: 9 x 19mm

Operating principle: Advanced blowback system

Modes of fire: Safe, sem-auto, and full auto

Trigger type: STD MIL-SPEC

Magazine: 30 rounds

Buttstock: No stock/telescopic/foldable/AR style

Barrel length: 5.5" / 9"

Weight w/o mag: Varies per barrel length and stock



FLYER

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VIDEO

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CAR 816

The CAR 816 is a centre-fire, gas-operated tactical rifle, chambered in 5.56x45mm NATO. The CAR 816 is a tactical weapon designed for the high-end use of law enforcement and military applications.

Calibre: 5.56 x 45mm NATO

Operating principle: Gas-operated, short-stroke gas piston system, rotating bolt

Modes of fire: Safe, semi-auto, fully auto

Trigger type: MIL-SPEC, 3.4-5.5 kg

Magazine: 30 rounds

Buttstock: Retractable – 6 positions

Barrel length: 7.5" 10.5" 14.5" 16"

Weight w/o magazine: 3Kg/3.3kg/3.5kg/3.6kg



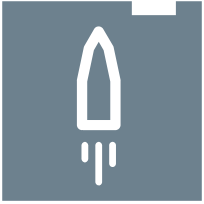
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CARACAL



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CAR 817 AR

The CAR 817AR is a centre-fire, gas-operated system tactical rifle, It's designed for the high-end use of law enforcement and military applications.

Calibre: 7.62x51mm NATO

Operating principle: Gas-operated, short-stroke gas piston system, rotating bolt

Modes of fire: Safe, semi-auto, full auto

Trigger type: MIL-SPEC

Magazine: 20 rounds

Buttstock: Retractable – 6 positions

Barrel length: 12.5", 14.5" and 16"

Weight w/o magazine: 3.9kg/4.1kg/4.3kg



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CAR 817 DMR

The CAR 817DMR (Designated Marksmen Rifle) is a high-precision, semi-automatic, gas-operated system tactical rifle. It's designed for use in law enforcement and military applications.

Calibre: 7.62x51mm NATO (.308 WIN)

Operating principle: Short-stroke gas piston system

Modes of fire: Safe and semi-auto

Trigger type: 2 stage trigger SSA 1.4 - 1.5 kg

Magazine: 20 rounds, 10 rounds

Buttstock: Precision sniper buttstock

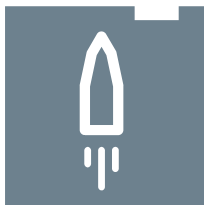
Barrel length: 18"

Weight w/o magazine: 4.96Kg



VIDEO

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CSR 308

The CSR 308 is a modern high accuracy and lightweight sniper rifle which finds use in all MIL and LE applications in the most demanding environments. Focusing on reliability, safety and operator convenience. The CSR 308 is part of a modern and modular, manual bolt operated dedicated precision rifle family.

Calibre: .308WIN

Operating principle: Bolt Action System

Modes of fire: Safe and fire

Trigger type: 2 Stage adjustable precision trigger

Magazine: SR-25 Mag type

Buttstock: 4 position, telescopic, foldable

Barrel length: 24"

Weight w/o magazine: 5.07kg



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CSR 338

The CSR 338 is a modern and rugged precision sniper rifle system which finds use in all MIL and LE applications in the most demanding environments. Focusing on reliability, safety and operator convenience, the CSR 338 was designed for law-enforcement and military use.

Calibre: .338 Lapua Mag

Operating principle: Bolt Action System

Modes of fire: Safe and fire

Trigger type: 2 Stage adjustable precision trigger

Magazine: 10 rounds

Buttstock: 4 position, telescopic, foldable

Barrel length: 27"

Weight w/o magazine: 6.52kg



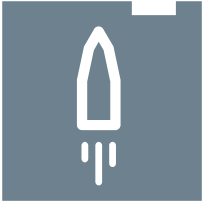
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MISSILES & WEAPONS | INFANTRY PRODUCTS

CARACAL



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CSA 338

A semi-automatic precision platform that delivers the accuracy of a 338 Lapua Mag. bolt action sniper, but also allows for fast follow-up shots, when the difference between mission success and failure is measured in seconds. The CSA 338 was built from the ground up to the highest requirements of Special Forces for reliable operation in the harshest most unforgiving environments. It utilizes and improves upon the battle proven AR ergonomics, adding an extra level to the familiar intuitive ease of operation. All contact points between the weapon and the user are polymer/rubber covered for a comfortable operation in extreme temperatures.

Calibre: .338 Lapua Mag.

Operating principle: Short Stroke Piston System

Modes of fire: Safe, fire, semi-auto

Trigger type: 2 Stage adjustable precision trigger

Magazine: 15 rounds

Buttstock: Adjustable for both length and height

Barrel Length: 27"

Weight w/o magazine: 6.85kg



FLYER

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CSR 50

The CSR50 is a bolt-action precision rifle, intended for long-range target engagement. Its solid, monolithic receiver and free-floating, heavy-contour, match-grade precision barrel ensure unparalleled precision in a lightweight package

Calibre: 12.7×99mm NATO/.50 BMG

Operating principle: Bolt Action System

Modes of fire: Safe and fire

Trigger type: 2 Stage adjustable precision trigger

Magazine: 10 rounds

Buttstock: 4 position, telescopic, foldable

Barrel Length: 29"

Weight w/o magazine: 10.4Kg



VIDEO

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MISSILES & WEAPONS | INFANTRY PRODUCTS

CARACAL



BROCHURE

CLMG 556

A belt fed fully automatic lightweight machine weapon. Chambered in 5.56 x 45mm NATO the CLMG 556 delivers rapid and accurate fire power in a compact and lightweight system. With Advanced long stroke gas piston system, the CLMG delivers exceptional reliability in the harshest environments. The CLMG has a compact feeding mechanism, allowing the sights to be mounted directly to the receiver giving excellent accuracy and repeatability.

Calibre: 5.56x 45mm NATO

Feeding: Belt fed 5.56x45mm M27 link

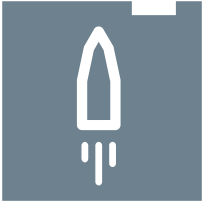
Rate of fire: 700-950 rpm

Rifling: 6 Groove 1in7"Twist

Grip: Polymer with storage compartment

Barrel Length: 16"

Weight w/o magazine: 7.8kg (Unloaded without accessories)



MISSILES & WEAPONS | AMMUNITION

PRODUCTS - SMALL CALIBRE

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BROCHURE

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9 x 19 mm Blank

- 9 x 19 mm Blank Complies with MIL- STD Standards.

9 x 19 mm Ball (124 Grains)

- 9 x 19 mm Ball equivalent to M882.
- Complies with NATO and MIL-STD Standards.

9 x 19 mm Luger Ball (115 Grains FMJ)

- 9 x 19 mm Ball equivalent to M882.
- Complies with NATO and MIL-STD Standards.

9 x 19 mm Luger Ball (124 Grains FMJ) CIP

- 9 x 19 mm Luger Ball (124 Grains).
- Complies with CIP and SAAMI Standards.

9 x 19 mm Luger (124 Grains CP/Fully Encapsulated)

9 x 19 mm IMI (115 Grains Solid/Leadless)

- Complies with CIP and SAAMI Standards

9 x 21 mm Ball (124 Grains FMJ) CIP

- 9 x 21 mm Ball (124 Grains)
- 9 x 21 mm IMI (124 Grains CP/Fully Encapsulated)
- 9 x 21 mm IMI (115 Grains CP/Fully Encapsulated)
- 9 x 21 mm IMI (115 Grains Solid/Leadless)
- Complies with CIP and SAAMI Standards.

.38 Super Ball (124 Grains FMJ) CIP

- .38 Super Ball (124 Grains).
- Complies with CIP and SAAMI Standards.

.40S&W Ball (170 Grains) CIP

- .40S&W Ball (170 Grains).
- Complies with CIP and SAAMI Standards.

5.56 x 45 mm Blank (M200)

- 5.56 x 45 mm Blank cartridge equivalent to M200 for training.
- Used with Blank Firing Attachment.
- Complies with MIL-STD Standard Blank cartridge for training.



MISSILES & WEAPONS | AMMUNITION PRODUCTS - SMALL CALIBRE

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BROCHURE



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VIDEO

5.56 x 45 mm Ball (M855)

- 5.56 x 45 mm cartridge equivalent to M855 and
- SS109, suitable for weapons with 1:7 to 1:9 barrel twist rate.
- Complies with NATO and MIL-STD Standards.
- May also be offered linked with any other trajectory-matched cartridges, such as Tracer, in different configurations.

5.56 x 45 mm Ball (M193)

- 5.56 x 45 mm cartridge equivalent to M193, suitable for weapons with 1:12 barrel twist rate.
- Complies with MIL-STD Standards.
- May also be offered linked with any other trajectory-matched cartridges, such as Tracer, in different configurations.

5.56 x 45 mm Tracer (M856)

- 5.56 x 45 mm cartridge equivalent to M856, suitable for weapons with 1:7 to 1:9 barrel twist rate.
- Complies with NATO and MIL-STD Standards.
- May also be offered linked with any other trajectory-matched cartridges, such as ball, in different configurations.

5.56 x 45 mm Tracer (Infra-Red)

- 5.56 x 45 mm cartridge, suitable for weapons with 1:7 to 1:9 barrel twist rate.
- Complies with NATO and MIL-STD Standards.
- May also be offered linked with any other trajectory-matched cartridges, such as ball, in different configurations.

.223 Remington (55 Grains Ball)

- .223 Remington (55 Grains) suitable for use in conventional weapons.
- Complies with CIP and SAAMI Standards.

.223 Remington (69 Grains HPBT)

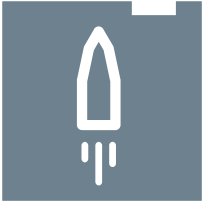
- .223 Remington (69 Grains HPBT) suitable for use in sniper rifles, as well as conventional weapons.
- Complies with CIP and SAAMI Standards.

.223 Remington (77 Grains HPBT)

- .223 Remington (77 Grains HPBT) suitable for use in sniper rifles, as well as conventional weapons.
- Complies with CIP and SAAMI Standards.

6.5 x 48 mm Creedmoor Ball (120 Grains)

- 6.5 x 48 mm Creedmoor cartridge Ball (120 Grains).
- Complies with MIL-STD Standards.



MISSILES & WEAPONS | AMMUNITION

PRODUCTS - SMALL CALIBRE

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7.62 x 39 mm Ball (123 Grains FMJ)

- 7.62 x 39 mm Ball (123 Grains) cartridge.
- Complies with MIL-STD Standards.

7.62 x 51 mm Blank (M82)

- 7.62 x 51 mm Blank cartridge equivalent to M82.
- Complies with MIL-STD Standards

7.62 x 51 mm Ball (M80)

- 7.62 x 51 mm Ball cartridge equivalent to M80.
- Complies with NATO and MIL-STD Standards.
- May also be offered linked with any other trajectory-matched cartridges, such as Tracer, in different configurations.

7.62 x 51 mm Tracer (M62)

- .62 x 51 mm Ball cartridge equivalent to M62.
- Complies with NATO and MIL-STD Standards.
- May also be offered linked with any other trajectory-matched cartridges, such as Ball, in different configurations.

7.62 x 51 mm AP (M61)

- 7.62 x 51 mm Ball cartridge equivalent to M61.
- Complies with NATO and MIL-STD Standards.
- May also be offered linked with any other trajectory-matched cartridges, such as Ball, in different configurations.

.300 BLK Ball (145 Grains)

- .300 Blackout Ball (145 Grains) suitable for use in conventional weapons.
- Complies with CIP and SAAMI Standards

.308 Winchester Ball (150 Grains)

- .308 Winchester Ball (150 Grains) suitable for use in sniper rifles, as well as conventional weapons.
- Complies with CIP and SAAMI Standards.

.338 LM (250 Grains)

- .338 Lapua Magnum (250 Grains) suitable for use in sniper rifles, as well as conventional weapons.
- Complies with CIP and SAAMI Standards.



MISSILES & WEAPONS | AMMUNITION

PRODUCTS - SMALL CALIBRE

LAHAB
LIGHT AMMUNITION
للذخائر الخفيفة



.375 CheyTac (350 Grains)

- .375 CheyTac (350 Grains) suitable for use in sniper rifles, as well as conventional weapons. Complies with CIP and SAAMI Standards.

.408 CheyTac (420 Grains)

- .408 CheyTac (420 Grains) suitable for use in sniper rifles, as well as conventional weapons. Complies with CIP and SAAMI Standards.

12.7 x 99mm Blank (M1A1)

- 12.7 x 99mm Blank cartridge equivalent to M1A1.
- Complies with MIL-STD Standards.

12.7 x 99mm Ball (M33)

- 12.7 x 99mm Ball cartridge equivalent to M33
- Complies with NATO and MIL-STD Standards.
- May also be offered linked with any other trajectory-matched cartridges, such as Tracer, in different configurations.

12.7 x 99mm Tracer (M17)

12.7 x 99mm Ball cartridge equivalent to M17

- Complies with NATO and MIL-STD Standards.
- May also be offered linked with any other trajectory-matched cartridges, such as Ball, in different configurations.

12.7 x 99mm AP (M2)

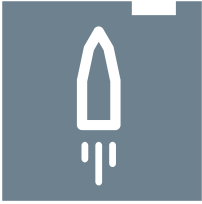
- 12.7 x 99mm AP (Armour-Piercing) cartridge equivalent to M2.
- Complies with NATO and MIL-STD Standards.
- May also be offered linked with any other trajectory-matched cartridges, such as Tracer, in different configurations.

12.7 x 99mm API (M8)

- 12.7 x 99mm API (Armour-Piercing-Incendiary cartridge equivalent to M8.
- Complies with NATO and MIL-STD Standards.
- May also be offered linked with any other trajectory-matched cartridges, such as Tracer, in different configurations.

12.7 x 99mm API-T (M20)

- 12.7 x 99mm API-T (Armour-Piercing-Incendiary-Tracer) equivalent to M20.
- Complies with NATO and MIL-STD Standards.
- May also be offered linked with any other trajectory-matched cartridges, such as AP, in different configurations.



MISSILES & WEAPONS | AMMUNITION PRODUCTS - MEDIUM & LARGE CALIBRE

LAHAB
DEFENCE SYSTEMS
لأنظمة الدفاعية



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CORPORATE VIDEO

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GRENADES

- 40 x 53mm HEDP AE1501A1
- 40mm x 46 LV HEDP



MORTARS

- 60mm HE Mortars
- 81mm HE Mortars
- 120mm HE Mortars



MISSILES & WEAPONS | AMMUNITION PRODUCTS - MEDIUM & LARGE CALIBRE

LAHAB
DEFENCE SYSTEMS
للأنظمة الدفاعية



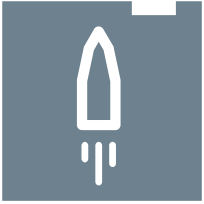
ARTILLERY AMMUNITION

- 155mm ERFB HE BT
- TR 107mm
- TR 122mm



AIRCRAFT BOMBS

- MK-81
- MK-82
- MK-83
- MK-84



MISSILES & WEAPONS | AMMUNITION
PRODUCTS - MEDIUM & LARGE CALIBRE

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MK82 BOMB WITH KIT

Length: 2117mm length of warhead with tail kit and 1538.5mm length without tail kit

Mass with Explosive: 210kg +/- 10kg

Mass without Explosive: 120.5kg +/- 7.5kg

Warhead Diameter: 288.41mm



EDGE



**AIR
PLATFORMS**

ADASI

**ADVANCED
CONCEPTS**

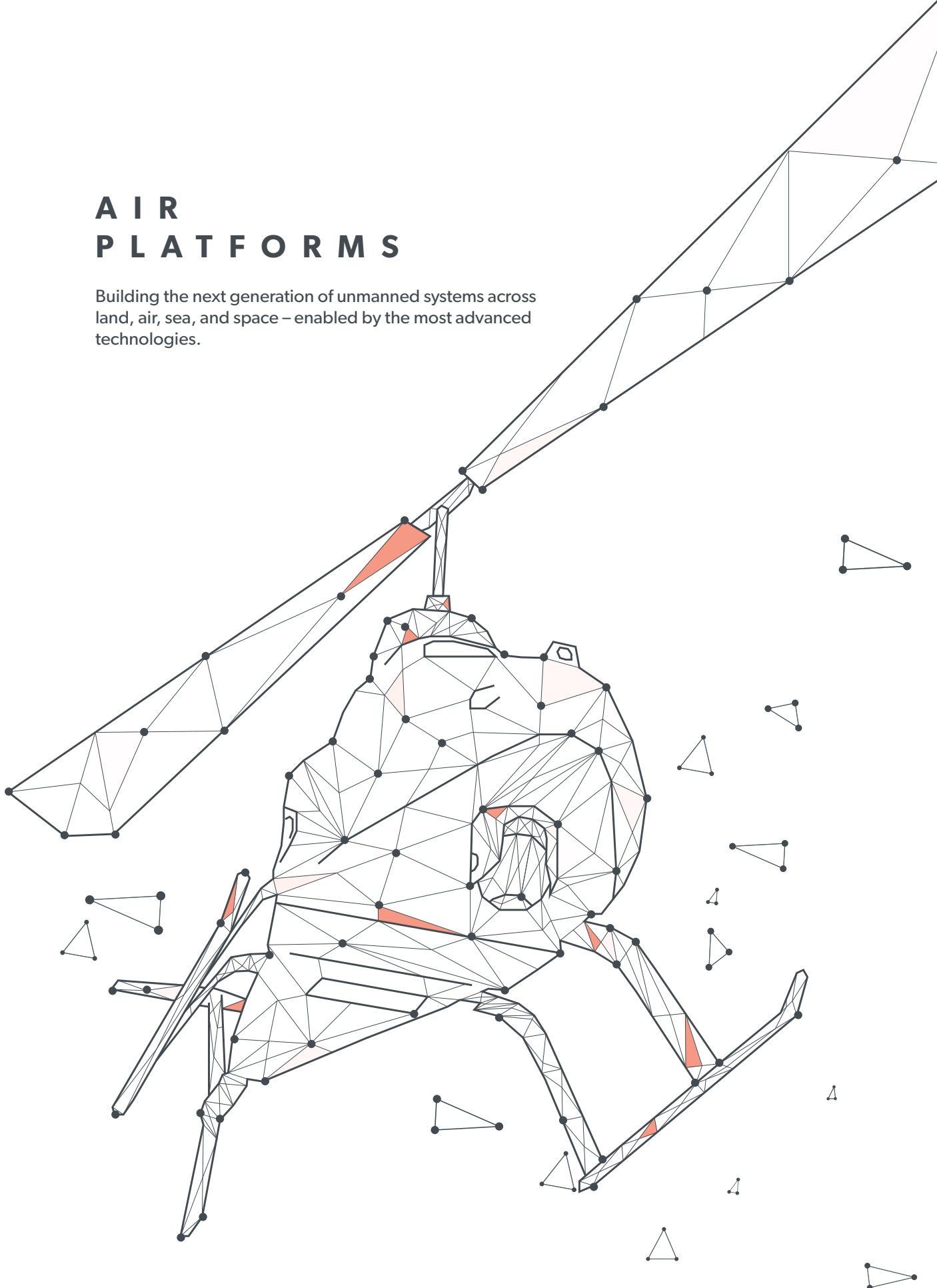
ANAVIA

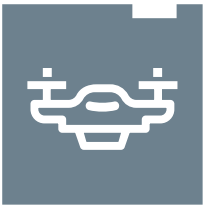
FLARIS

HALCON

AIR PLATFORMS

Building the next generation of unmanned systems across land, air, sea, and space – enabled by the most advanced technologies.





AIR PLATFORMS | ISR
PRODUCTS
ADASI



GARMOOSHA

A light unmanned aircraft designed to carry payloads of approximately 120 KG with an endurance of eight hours and 150 KM range.

Range: 150km line of sight

Endurance: 8 hours

Payload: 120kg

Maximum speed: 150km/h

MTOW: 550kg

Ceiling altitude: 10,000ft



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QX-4 ISR

The QX-4 VTOL aerial vehicle is a modern tool for advanced intelligence, surveillance and reconnaissance (ISR) missions, featuring an extended endurance of up to 13 hours. With advanced autopilot and communication systems, the QX-4 can carry payloads of up to 7 kg, offering multiple mission scenarios to border control and military forces.

Launch Type: VTOL

Wingspan: 3.3m

Maximum take-off weight: 56 kg

Endurance: +13hrs (with 5 kg payload)

Ceiling (ASL): 12,000ft

D/L Range: 150km

Maximum Payload Mass: 7kg

Maximum Speed: 140km/h

Engine Type: VTOL: Electric

FWD: Combustion engine with EFI (electronic Fuel Injection), starter / generator



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VIDEO

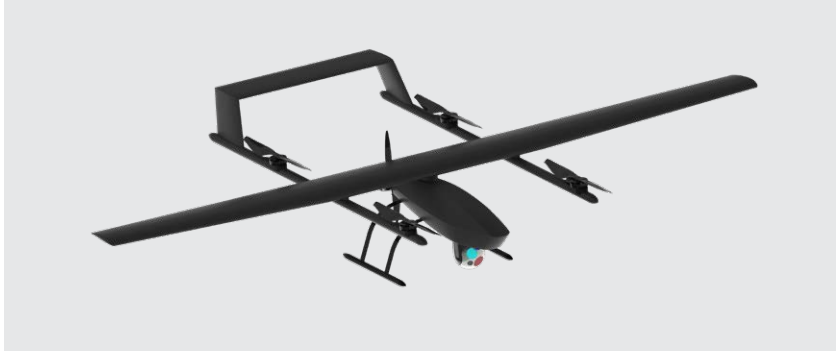
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AIR PLATFORMS | ISR

PRODUCTS

ADASI



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QX-5 VTOL

The QX-5 VTOL aerial vehicle is a modern tool for advanced intelligence, surveillance and reconnaissance (ISR) missions, featuring an extended endurance of up to 16 hours. With advanced autopilot and communication systems, the QX-5 can carry payloads of up to 25 kg, offering multiple mission scenarios to border control and military forces.

Ceiling altitude: 15,000'

D/L Range: 180 km

Endurance: +16 hrs (with 10 kg payload)

Maximum take-off weight: 140kg

Payload mass: Up to 25kg (excluding fuel)

Engine Type: VTOL: Electric

FWD: Combustion engine with EFI (electronic Fuel Injection),
starter / generator



AIR PLATFORMS | ISR

PRODUCTS

ANAVIA



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HT-100

The ANAVIA HT-100 unmanned helicopter provides robust, world-class and flexible capabilities to a wide range of military, border control, special forces, civil defence and law enforcement missions. This powerful system features a maximum flight endurance of 5 hours and 600km, and payload capacity of 65kg.

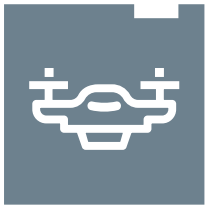
MTOW: 120kg

Payload and fuel: 60kg

Max. speed: 120km/h

Operating ceiling (max. density altitude:) 4,000m

Communication range: 200km



AIR PLATFORMS | UCAV

PRODUCTS

ADASI



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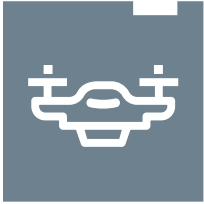
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VIDEO

JENIAH UCAV

The JENIAH UCAV is a high-speed, long-range, unmanned combat aerial vehicle system capable of delivering large munition payloads with guidance from an autopilot or operator. Offered in two models to meet diverse mission requirements, the JENIAH system is a powerful asset for both land and sea targeting.

	JENIAH 1	JENIAH 2
MTOW:	4,700kg	8,500kg
Wingspan/length:	6.5m/10.5m	8.1m/11.8m
Payload:	450kg	450kg
Cruise speed:	785km/h	910km/h
Maximum speed:	1,050km/h	1,000km/h



AIR PLATFORMS | UCAV

PRODUCTS

ADVANCED
CONCEPTS



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REACH - S

Reach-S is a medium-altitude long-endurance unmanned combat aerial vehicle capable of autonomous flight operations.

MTOW: 640kg

Max payload: 120kg

Ceiling: 22,000ft

Cruising speed: 150 km/h

Wing span: 12m

Length: 6.4m

Engine: 110hp

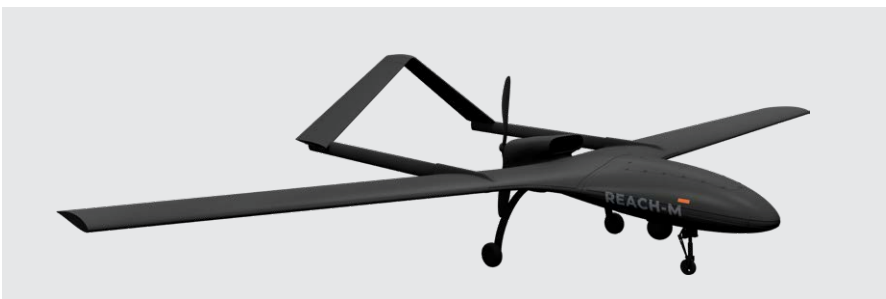
Endurance: 24hrs

Communication: 200 Km LOS, Optional SATCOM



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REACH - M

MTOW: 1500kg

Max payload: 350kg

Ceiling: up to 8000m

Cruising speed: 170-180 km/h

Wing span: 17m

Endurance: 24hrs

Communication: 200km LOS and SATCOM



AIR PLATFORMS | UCAV

PRODUCTS

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JEER

MTOW: 600kg

Max payload: 200kg

Ceiling: 8000m

Cruising speed: 210-230 km/h

Wing span: 8m

Endurance: 16hrs

Communication: 200 Km LOS, Optional SATCOM



AIR PLATFORMS | UCAV

PRODUCTS

EDGE



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SINYAR

The SINYAR unmanned aerial combat vehicle is capable of carrying weapons payloads of up to 750kg for longer-range and longer-endurance missions. Nimble enough to take off and land on short unpaved airstrips, SINYAR is a powerful mission-enablement platform for defence and special forces.

MTOW: 2,200kg

Payload: 450kg

Cruise altitude: 30,000ft

Cruise speed: 545km/h

Communication system: Satellite communication



AIR PLATFORMS | LOITERING

PRODUCTS

ADASI



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SHADOW 25

The shadow 25 loitering unmanned aerial vehicle (uav) system provides defence forces with a jet-powered, rapid-strike kamikaze munition capable of delivering a precision strike against fixed targets.

Range: 250km

Cruise speed: 400km/h

Ceiling altitude: 20,000ft

Endurance: 1 hour

Data link range: 100km

Optical navigation

Attack guidance: GNSS

Visual Navigation

Optical Attack Guidance

Wingspan: 2.15m

Length: 2.25m

MTOW: 103kg



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SHADOW 50

The SHADOW 50 loitering unmanned aerial vehicle (UAV) system provides defence forces with a powerful, long-endurance, loitering munition that delivers precision strike capabilities against fixed targets.

Range: 250km

Cruise speed: 167km/h

Ceiling altitude: 12,500ft

Endurance: 9 hours

Data link range: 100km

Optical navigation

Attack guidance: GNSS

Visual Navigation

Optical Attack Guidance

Wingspan: 3.47m

Length: 2.136m

MTOW: 135kg



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AIR PLATFORMS | LOITERING PRODUCTS

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QX-1 LOITERING MUNITIONS

The ADASI QX-1 loitering munitions system provides military forces with an effective small-footprint tool to make discreet, targeted attacks with accuracy and effectiveness.

Ceiling altitude: 4,000

Cruising altitude: 1,000

Range: 10 km

Endurance: 20 min

MTOW: 3 kg

Payload mass: 0.5 kg

Engine type: Electric



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QX-2 LOITERING MUNITIONS

The ADASI QX-2 loitering munitions system provides infantry and special forces with a portable drone capable of carrying and delivering a precision-guided weapon or deploying in kamikaze configuration with an embedded warhead at a stand-off range of 20 km for flexible mission scenarios.

Ceiling altitude: 4,000 ft

Cruising altitude: 1,000 ft

Range: 20 km

Endurance: 30 min

MTOW: 8 kg

Payload mass: 2.5 kg

Engine type: Electric



AIR PLATFORMS | LOITERING

PRODUCTS

ADASI



QX-3 LOITERING MUNITIONS

The ADASI QX-3 loitering munitions system puts a powerful aerial capability in the hands of infantry and special forces through a 20kg UAV with a capacity of up to four precision-guided munitions.

Ceiling altitude: 2,000

Cruising altitude: 1,000

Range: 40 km

Endurance: 40 min

MTOW: 20 kg

Payload mass: 6 kg

Engine type: Electric



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AIR PLATFORMS | LOITERING PRODUCTS ADVANCED CONCEPTS



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HUNTER SP (SOLDIER PORTABLE)

The Hunter SP possess a take-off weight of 4.5kg and can be fired from a portable launcher. It carries a payload of 700g, flying at a maximum altitude of 1000ft. The drone is suitable for recon and attack missions, operating at a cruising speed of 90km/h, with an endurance of 20 minutes. It features a wing span of 1.16m, length of 0.85m and run by an electrical engine.

Wings Span: 1.16m

Length: 0.85m

Drone takeoff weight: 4.5kg

Payload: 700g

Cruising Speed: 90km/h

Engine Type: Electrical engine

Endurance: 20 min

Communication range: 50km

Operational altitude: 500ft

Maximum Altitude: 1000ft

Launcher weight: 4.5kg

Launcher elevation angle: 20° - 40°



AIR PLATFORMS | LOITERING
PRODUCTS
ADVANCED
CONCEPTS



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HUNTER 2-S

The Hunter 2 is a ground launched loitering munition that when deployed provides aerial strike capability on a designated target up to 50km from the launch point. The Hunter 2 is able to fly autonomously according to a flight plan to an intended target area and loiter while searching for targets.

MTOW: up to 13 kg

Payload: up to 2 kg

Total Available Flight time: 45 minutes

Cruise Indicated Airspeed: 25 m/s

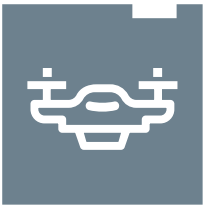
Operational Altitude: 500 m

Engine: Electric

Communication Range: up to 50 km

Wingspan: up to 2.2 m

Length: up to 1.5 m



AIR PLATFORMS | LOITERING PRODUCTS ADVANCED CONCEPTS



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HUNTER 5

The Hunter 5 is a ground launched loitering munition that when deployed provides aerial strike capability on a designated target up to 100km from the launch point. These loitering munitions fly autonomously to an intended target area and loiter while searching for targets. Once a target is identified a man-in-the-loop designates the target and the Hunter 5 can then attack..

MTOW: up to 50 kg

Payload: 5kg

Total Available Flight time: 150 minutes

Cruise Indicated Airspeed: 33 m/s

Operational Altitude: 500 - 1000 m

Engine: Gasoline

Launcher Mass (fully loaded): 5 metric tons

Wingspan: up to 3.6 m

Length: up to 2.85 m



AIR PLATFORMS | LOITERING PRODUCTS ADVANCED CONCEPTS



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HUNTER 10

The Hunter 10 is a ground launched loitering munition that when deployed provides aerial strike capability on a designated target up to 100km from the launch point. These loitering munitions fly autonomously to an intended target area and loiter while searching for targets. Once a target is identified a man-in-the-loop designates the target and the Hunter 10 can then attack.

MTOW: up to 50 kg

Payload: 10kg

Total Available Flight time: 150 minutes

Cruise Indicated Airspeed: 33 m/s

Operational Altitude: 500 - 1000 m

Engine: Gasoline

Launcher Mass (fully loaded): 5 metric tons

Wingspan: up to 3.6 m

Length: up to 2.85 m



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AIR PLATFORMS | LOGISTICS

PRODUCTS

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QX6-50 CARGO UAV

The QX6-50 is a swift, medium size, mid-range, unmanned helicopter capable of transporting payloads up to 50kg, which features advanced autopilot and communication systems. With an endurance of up to 3.5 hours, delivery radius of 200km, and the ability to land on multiple terrains, including sand and seagoing vessels, the QX6-50 facilitates effortless cargo transfers to and from remote and hard-to-access locations.

Ceiling altitude: 10,000'

Endurance: 3.5hrs

Maximum take-off weight: 360kg

Payload mass: 50kg

Engine type: 4-cylinder, naturally aspirated, 4-stroke petrol engine

Delivery speed: 170km/h



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AIR TRUCK

The Air Truck is a powerful logistics UAV with a 500kg payload capacity that can operate via pre-programmed mission or live operator, making it ideal for higher-risk or more dangerous missions. Suitable for military, security and civilian deployment, cargo is transported via a custom-designed Air Box that ensures rapid cargo loading and unloading.

Engine: Gas turbine

Take-off power: 180kW x 2

Maximum theoretical takeoff weight (ISA): 2,500kg

Normal take-off weight: 2,100kg

Maximum payload with full tanks: 500kg

Maximum operating speed (VNO): 140km/h

Speed for maximum endurance: 90km/h

Service ceiling: 3,000m

Maximum range: 360km

Maximum endurance: 4h

Maximum rate of climb: 8m/s

Maximum cargo weight: 500kg

EDGE



**LAND
SYSTEMS**

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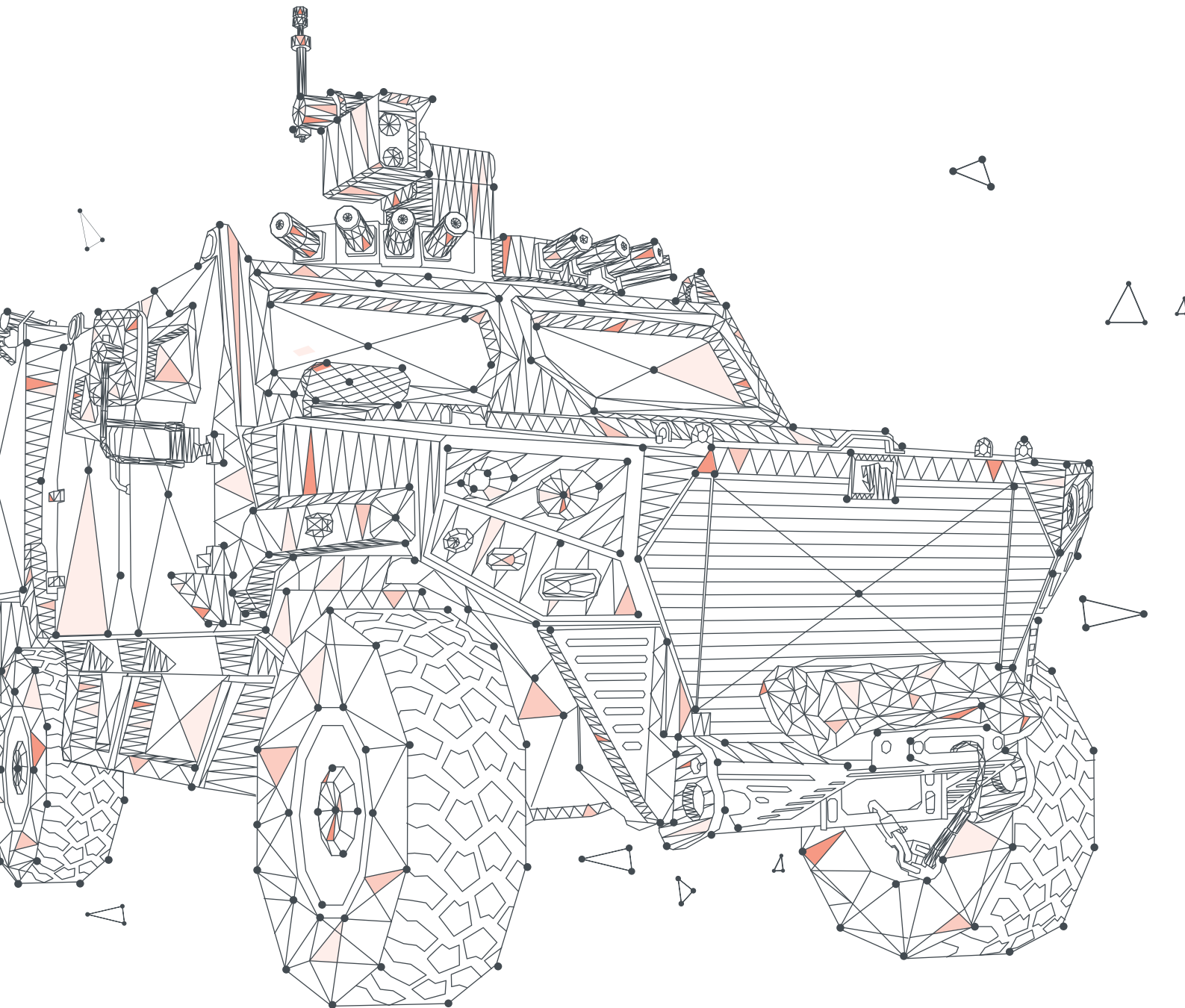
AL JASOOR

NIMR



LAND SYSTEMS

Enhancing frontline support with state-of-the-art light, medium and heavy armoured vehicles.





LAND SYSTEMS - VEHICLES PRODUCTS

AL JASOOR



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RABDAN 8x8 INFANTRY FIGHTING VEHICLE

Rabdan is a next-generation amphibious, modular, multi-wheeled armoured vehicle with superior tactical and technical characteristics. It is offered with AL JASOOR integrated logistical support, today and for years to come.

Engine: 6 Cylinders, Turbo-charged, Inter-cooled, 600hp, Diesel

Transmission: Automatic, 6 +1 gears

GVW: up to 30,000kg

Max. speed: 105km/h

Max. amphibious speed: 9km/h

Crew capacity: Up to 12 personnel



LAND SYSTEMS - VEHICLES PRODUCTS

AL JASOOR



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BROCHURE



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VIDEO

RABDAN 6x6 INFANTRY FIGHTING VEHICLE

RABDAN 6X6 is a new generation, amphibious, modular multi-wheel armoured vehicle with superior tactical and technical characteristics.

Engine: Turbo charged diesel engine 450hp

Transmission: Automatic

GVW: Up to 22500kg

Max. speed: 105km/h

Max. amphibious speed: >8 km/h

Crew Capacity: Up to 10, including driver and commander



LAND SYSTEMS - VEHICLES

PRODUCTS

NIMR



AJBAN MK2

The AJBAN MK2 is a 4x4 ballistic and blast protected light tactical patrol vehicle for a crew of five. This multi-role capacity vehicle is constructed with a V-hull unit structure for effective mine-blast protection and a ballistic-protected rear cargo compartment.

Configuration: 4x4

GVW: 13,500kg

Max speed: 110 km/h

Wheelbase: 3,500mm

Cruising range: 700km @ 100km/h

Ground clearance: 420mm

Trench crossing: 600mm

Transmission: 6-speed automatic (6 Forward, 1 Reverse)

Brake type: Pneumatic Brake System with ABS

Engine power: 268kW (360hp)

Engine torque: 1100Nm

Crew Capacity: 10



BROCHURE

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HAFEET MK2

The 6x6 HAFEET MK2 vehicle provides a multi-purpose platform for military requirements such as armoured personnel carrier, artillery application, ambulance or observation vehicle.

The HAFEET MK2 is available in range of configurations, with larger interior layouts, increased crew capacity, a monocoque V-hull integrated engine protection to enhance the crew's survivability to deliver impressive performance and mobility.

Configuration: 6x6

GVW: 17,500kg

Wheelbase: 3,170mm between 1st and 2nd axle

1,300 mm between 2nd and 3rd axle

Cruising range: 700km @ 100km/h

Ground clearance: 420mm

Trench crossing: 600mm

Transmission: 6-speed automatic (6 Forward, 1 Reverse)

Brake type: Pneumatic Brake System with ABS

Engine power: 268kW (360hp)

Engine torque: 1,100Nm

Crew Capacity: 10



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LAND SYSTEMS - VEHICLES

PRODUCTS

NIMR



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VIDEO

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LRSOV

AJBAN LRSOV (Long Range Special Operations Vehicle) is an open top 4x4 vehicle especially suited to long range reconnaissance missions typically undertaken by Special Forces.

The vehicle has the following traits which places it as a leader in this category; Light and powerful, capable of accessing all terrains in addition to being helicopter underslung transportable. A Special feature of the vehicle is the open cab, which allows for the fitment of a variety of weapons and mission systems. The vehicle generic architecture will allow fitment of user supplied communications equipment. The vehicle is highly mobile with a high power to weight ratio, a stiff chassis and advanced independent suspension.

Engine power: 296 hp@ 2500 rpm

Engine torque: 1,100 Nm @ 1500 rpm

Transmission: 6-speed automatic

Cruising range: 700 km @ 100 kmph on highways

Gross weight: 9,000kg

Payload: 2,500kg

Maximum crew: 4



LAND SYSTEMS - VEHICLES PRODUCTS

NIMR



BROCHURE

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JAIS 4X4

The Jais 4x4 is a next generation of mine-resistant ambush protected (MRAP) vehicle. Crew survivability is centred around a battle-proven "crew citadel" protection system, protecting against mine, IED, and ballistic threats.

The vehicle architecture supports multiple mission variants and equipment options on a platform with a modern suspension and powertrain, a high power-to-weight ratio, and excellent situational awareness.

Engine power: 336 kW (450 hp)

Engine torque: 1,850Nm

Maximum speed: 105km/h

Cruising range: 700km

GVW: up to 21,000kg

Payload: 3,200kg

Maximum crew: 2 + 5



LAND SYSTEMS - VEHICLES

PRODUCTS

NIMR



BROCHURE

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JAIS 6X6

Combines survivability and mobility in one vehicle. It incorporates significant internal volume and payload capacity, ideal for multi role applications and multiple customisations. A multitude of weapons, mission equipment, and enhanced protection systems can be added without sacrificing vehicle mobility.

Engine power: 600hp

Engine torque: 1,900Nm

Maximum speed: 105km/h

Cruising range: 700km

GVW: up to 27,000kg

Payload: 7,500kg

Maximum crew: 2 + 9



LAND SYSTEMS | UGV PRODUCTS



TYPE-X

Type-X RCVs are an organic part of mechanized units that can take the most dangerous positions and provide equal or overmatching firepower and tactical usage compared to traditional Infantry Fighting Vehicles. Thanks to Vegvisir's Mixed Reality Situational Awareness System Type-X operators have a 360 degree virtual dome with EO/IR sensor fusion for both close and medium proximity vision and target engagement capabilities in any condition.

Dimensions: 600cm x 290cm x 220cm

Weight with payload: 12000kg

Payload Weight (max): 4100kg

Transmission: Hybrid Electric Drive

Steering: Cross-Drive torque transfer

Max. road speed: 80km/h

Max. terrain speed: 50km/h

Speed in reverse: 80km/h



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FLYER



THEMIS OBSERVE

The TheMIS Observe UGV is built for tactical reconnaissance missions. The system includes a variety of sensors for day and night operations, acoustic gunshot detector, smoke screen protection and a ground surveillance radar.

The combination of those systems allows units to do multi sensor identification on one platform and react faster on emerging targets.

Dimensions: 240cm x 205cm x 115cm

Weight: 2100kg

Max. speed: 20km/h

Ground clearance: Up to 60cm

Max. grade: 31 deg / 60 %

Fording depth: 60cm

Pull force: 15 000 N

Run time (hybrid, full internal tank): Up to 15h

Run time (full load, silent mode): Up to 1,5h



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BROCHURE



LAND SYSTEMS | UGV PRODUCTS



THEMIS COMBAT

TheMIS Combat UGVs provide high precision direct fire support for manoeuvre units and act as a force multiplier.

With the self-stabilizing, dual-gun SCORPION Remotely Controlled Weapon Station (RCWS), advanced sensors and fire control system, TheMIS Combat UGVs allow units to assess and engage the enemy at maximum standoff distances, increasing force protection and survivability.

Dimensions: 240cm x 205cm x 190cm

Combat weight: 1810kg*

Additional payload weight: 570kg*

Max. speed: 20km/h

Ground clearance: up to 60 cm

Max. grade: 31 deg / 60 %

Fording depth: 60cm

Run time (hybrid, full internal tank): up to 15h

Run time (full load, silent mode): up to 1, h

Line of sight control range: up to 10km

* Depending on the final configuration



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FLYER



THEMIS CARGO

The Multiscope UGV is a cost-effective and flexible solution for the commercial and government sector. It is ideal for industries who wish to eliminate physical risk to their workforce, liberate people from dirty, dull, and dangerous tasks and benefit from automating processes.

UGV dimensions: 240cm x 205cm x 115cm

UGV weight: 1630kg

Payload area dimensions: 214cm x 93 (adjustable) cm

Payload weight (rated): 750kg

Payload weight (max): 1200kg

Max. speed: 20km/h

Ground clearance: 40-60cm

Max. grade: 31 degrees / 60 %

Fording depth: 60cm

Pull force: 15,000 N

Run time (hybrid, full internal tank): Up to 15h

Run time (full load, silent mode): Up to 1.5h



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LAND SYSTEMS | UGV PRODUCTS



ThEMIS RESCUE

The Multiscope Rescue is a durable and flexible platform that can be equipped with various rescue-specific plug-and-play payloads. The modular platform can reach areas that are too dangerous for firefighters or that larger vehicles cannot.



FLYER

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UGV dimensions: 240cm x 200cm x 181cm

UGV weight: 2040kg

Max. speed: 20km/h

Ground clearance: 60cm

Max. grade: 31 degrees / 60%

Fording depth: 60cm

Pull force: 15,000 N

Run time (hybrid, full internal tank): up to 15h

Run time (full load, silent mode): Up to 1.5h





LAND SYSTEMS | UGV

PRODUCTS

ADASI



SCORPIO-S

Designed for security, police and Special Forces deployment, the SCORPIO-S Unmanned Ground Vehicle provides a highly versatile capability for counter-terrorism/hostage situations, and providing security across strategic facilities.

Integrated communication with other UGV types

Portable combined remote controller with control panels for the UGV, RWS and PTZ system.

Manual and auto-pilot drive

Easy operation and maintenance

Unit weight: 450kg

Payload: 130kg

Speed: 13km/h (flat/hard surface)

Communication range: 3km (LOS)

Endurance: 4 hours

L/W/H: 2,319 x 938 x 1,301mm



FLYER

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SCORPIO-M

Designed for Special Forces deployment, SCORPIO-M UGV, provides situational awareness in urban environments.

L/H/W: 772 mm x 484 mm x 278 mm

Speed: 13 km/h (flat/hard surface)

Communication range: 1km (LOS)

Endurance: 2 hours

Gradient :40° slope

Climbing: 200mm riser

Weapon: 9x19mm CARACAL Enhanced F pistol



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LAND SYSTEMS | UGV

PRODUCTS

ADASI



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ARMED ROBOTIC VEHICLE (ARV)

The ARV consists of an unmanned override kit integrated to the NIMR Ajban 440 to provide an advanced, rapidly deployable, mobile and durable unmanned ground vehicle integrated with a remote-controlled weapon station (RCWS).

Battlefield Engagement

Counter-terrorism

Surveillance & Reconnaissance

Integrated communication with other UGV types

Portable and specialised remote control for UGV and RCWS

Manned & Unmanned - Manual, semi and auto-pilot drive

Communication range: 10km LOS

Unmanned recommended max speed: 50km/h

Remote control endurance: 8 hours

Weapon: 12.7 mm caliber







LAND SYSTEMS | UGV

PRODUCTS

ADVANCED
CONCEPTS

TACTICAL UGV - 5IS

The 8x8 Tactical UGV is an autonomous, multi-mission vehicle that is designed to operate in a variety of environments and can be configured to suit different mission requirements.

The system is equipped with the 5IS Remote Control Weapon Station (RCWS). The light weight 5.56 mm calibre is a commonly used round in assault rifles which makes it suitable for use in a tactical UGV, as it allows the vehicle to be more mobile and manoeuvrable.

UGV Type: 8x8 electric vehicle

Weight of UGV (empty): 600 – 700 kg

Maximum Payload: 2 tons

Speed: 30 km/h

Dimensions : 1.5 x 3.1 x 0.9m

Communication : 5 km line of sight , 4G/5G + WiFi, Unlimited range using SIMs

Power: 8000W

EDGE

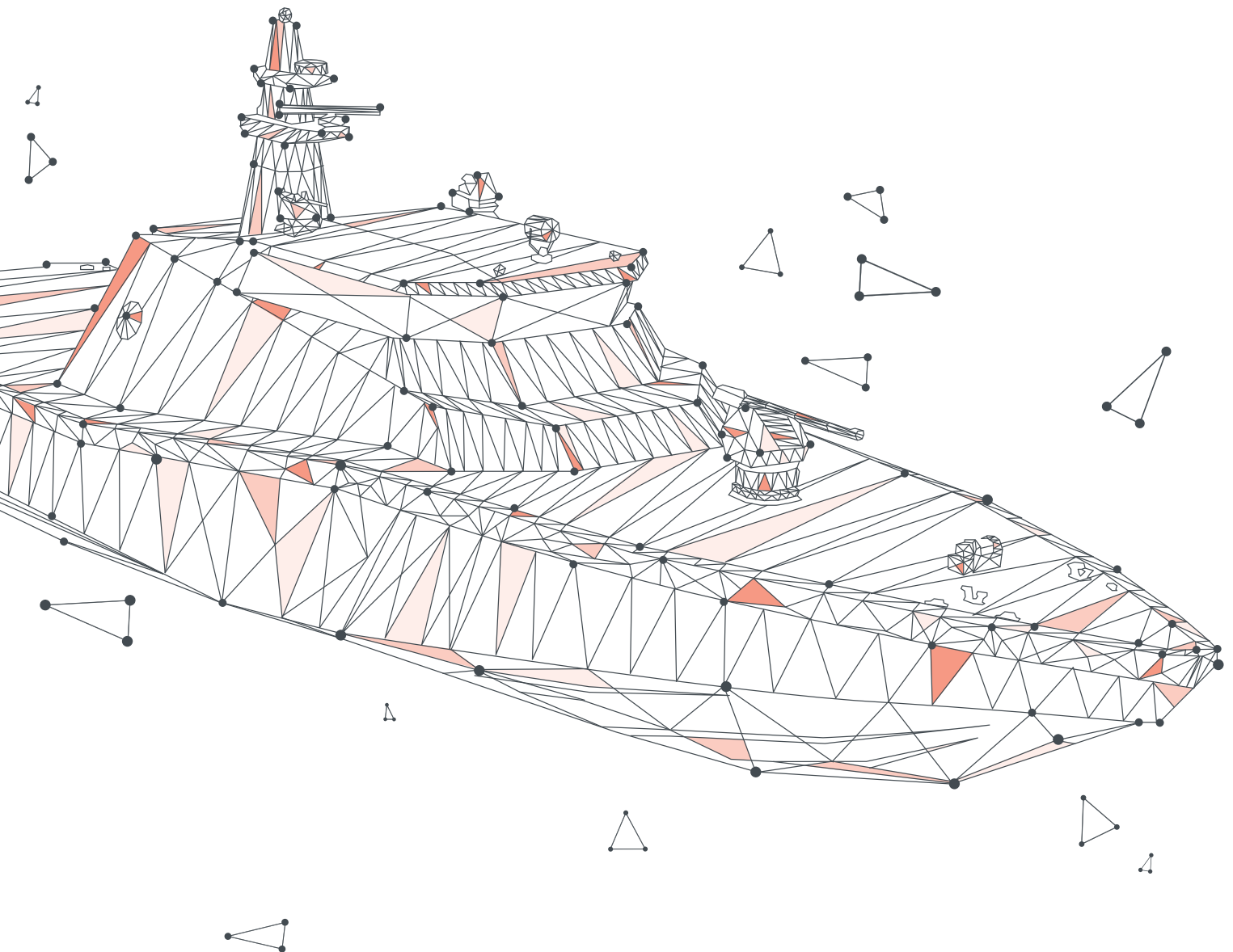


NAVAL SYSTEMS

ADSB
ABU DHABI SHIP BUILDING

NAVAL SYSTEMS

Delivering end-to-end maritime solutions and systems through design, engineering, new build, maintenance and related services.





NAVAL
PRODUCTS

ADSB
ABU DHABI SHIP BUILDING



92 CORVETTE

The ADSB 92M Corvette is a state-of-the-art, multirole and low-profile vessel designed and equipped to perform a range of littoral missions. Capable of supporting both offensive and defensive naval, security and law enforcement operations, the 92M Corvette is fast, powerful and prepared for surface, air and electronic warfare roles.

LOA: 92m
BOA: 12.8m
Draft: 3.8m
Max speed: 26+kts
Range: 4500nm



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BR71 MK II COMBATTANTE

The ADSB 71-metre MK II Combattante vessel represents a powerful and exciting evolution and upgrade to the CMN (Construction Mécaniques de Normandie) sea-proven Baynunah class. Designed by CMN for littoral warfare defence operations against air and surface threats and a range of surveillance missions, the platform is fast, powerful, compact and modular.

LOA: 70.30m
BOA: 11M
Draft: 0.52m approx.
Max speed (half load): 30kts
Range (12 knots): 2500nm
Propulsion: 4x diesel engines located in two engine rooms
4x Waterjets: 2 steering & 2 booster



BROCHURE

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**NAVAL
PRODUCTS**

ABS
ABU DHABI SHIP BUILDING



ARIALAH OFFSHORE PATROL VESSEL

Built to the highest naval standards and with proven operational sea time, ABSB's 67-metre offshore patrol vessels are currently in-service UAE's Critical Infrastructure and Coastal Protection Agency (CICPA) carrying out air defence missions, Enforcement of local and international maritime law and preventing infiltration.

LOA: 67.15m

BOA: 11.40m

Draft: 4.50m

Speed: 20kn

Range: 6500 nautical miles @ 16kN

Propulsion: 4x fixed pitch propellers



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FLYER



60m FALAJ 3

Capable of operating in both littoral and blue waters, the 60-metre FALAJ 3 naval patrol vessel is designed and equipped suitably not only for advanced Naval duties but also for tackling the present day challenges of asymmetric warfare. Featuring a state-of-the-art combat management system, sensors and weapons, this platform can undertake warfare in three dimensions – Air, Surface and Sub-surface.

LOA: 60m

Draft (moulded): 2.6m

Max draft at prop.: 3.4m

Max speed: 26 kn

Range at 16 knots: 2000nm



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VIDEO



NAVAL
PRODUCTS

ADSB
ABU DHABI SHIP BUILDING



510 OPV

The ADSB 510 Modular vessel with full OPV International Class notations offers a powerful and flexible platform ideal for search and rescue, offshore patrol, and fast-attack missions. Designed to operate in adverse sea-state conditions, the vessel features a large modular deck configurable for vessel or equipment transport, or deployment of various combat systems.

LOA: 51m

Beam moulded: 9m

Speed (half load): 28kn (4x inboard diesel engines with CPP)

Speed (full load): 27kn (4x inboard diesel engines with CPP)

Speed (cruising): 14kn

Range (12-15kn): 2,700+ nautical miles

Propulsion options: 4 inboard with FPP; 4 inboard with CPP; 3 inboard with WJ



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FLYER



FA-400 OFFSHORE PATROL VESSEL

With robust seakeeping characteristic, the 42-metre FA-400 offshore patrol vessel is built for speed and equipped to perform a range of territorial and coastal offshore duties, including providing support to military operations, search and rescue, area surveillance, and patrol.

LOA: 42m

Beam moulded: 8.30m

Draft: 2m approx.

Speed @ half LOA: 30+ knots max

Speed @ full load: 28 knots

Cruising speed: 14 knots

Range at 14 knots: 1500 nautical miles

Propulsion: 2x waterjets



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NAVAL
PRODUCTS

ADSB
ABU DHABI SHIP BUILDING



160 SEA KEEPER

The 16-metre "Sea Keeper" Fast Landing Craft benefits from a proven design and ADSB construction excellence to offer a world-class rapid amphibious supply vessel for transport of vehicles and equipment.

LOA: 16.45m

BOA: 3.89m

Draft: 0.7m approx.

Range: 325 nautical miles

Propulsion: 2x waterjet



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160 SEA TROOPER

The 16.45-metre SEA TROOPER features a landing-craft layout with bridge aft and cargo area forward with a bow ramp, providing an ideal platform for cargo, troop and vehicle transport missions.

LOA: 16.45m

BOA: 3.89m

Draft: 0.87m approx.

Speed: 30kn approx. (with 5T load)

Propulsion: 2 x waterjets



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VIDEO



NAVAL
PRODUCTS

AJSB
ABU DHABI SHIP BUILDING



160 ITEP

The 16-metre inshore tactical and engagement platform (ITEP) delivers power and performance for high-speed pursuit, fast interception and a wide range of general patrol missions.

LOA	16m
BOA	4.10m
Draft	0.85m approx.
Speed	45+ kn approx. @ full load (Sea State 1)
Propulsion	2 x waterjets/2 x 1,000hp inboard diesel engines



BROCHURE

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VIDEO

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120 FIP

The 120 Fast In-shore Platform (FIP) provides key tactical capabilities to naval, security and coast guard operations. The 120 FIP is a superior patrol boat, that delivers exceptional capabilities to maritime forces.

LOA:	12.8m
BOA:	3.1m
Draft:	0.52m approx.
Speed:	60+ kn approx. @ full load (Sea State 1)
Propulsion:	3 x 400hp outboard engines



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VIDEO

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NAVAL | USV
PRODUCTS

AOSB
ABU DHABI SHIP BUILDING



170 M-DETECTOR

The 170 M-Detector can be operated in manned or unmanned configuration to perform a range of surface warfare, transport, surveillance and mapping missions for naval and civilian forces. It can operate for four hours in silent electric propulsion mode or at speeds up to 40 knots in diesel mode.

LOA: 17.4m

BOA: 4.2m

Draft: 0.85m approx.

Electric mode range: 4 hours (speed 5kt)

Propulsion: 2x waterjets



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120 USV

The 120 unmanned surface vessel (USV) represents a fast, versatile unmanned platform ideally designed and configured to support a range of information related duties such as mine counter measures (MCM); anti-submarine warfare (ASW); and intelligence, surveillance, and reconnaissance (ISR).

LOA: 12.8m

BOA: 3.10m

Draft: 0.52m approx.

Speed: 55+ kn approx. @ Full load (Sea State 1)

Propulsion: Waterjet



BROCHURE

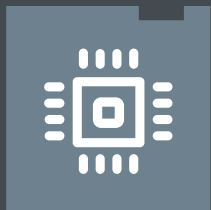
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VIDEO

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EDGE



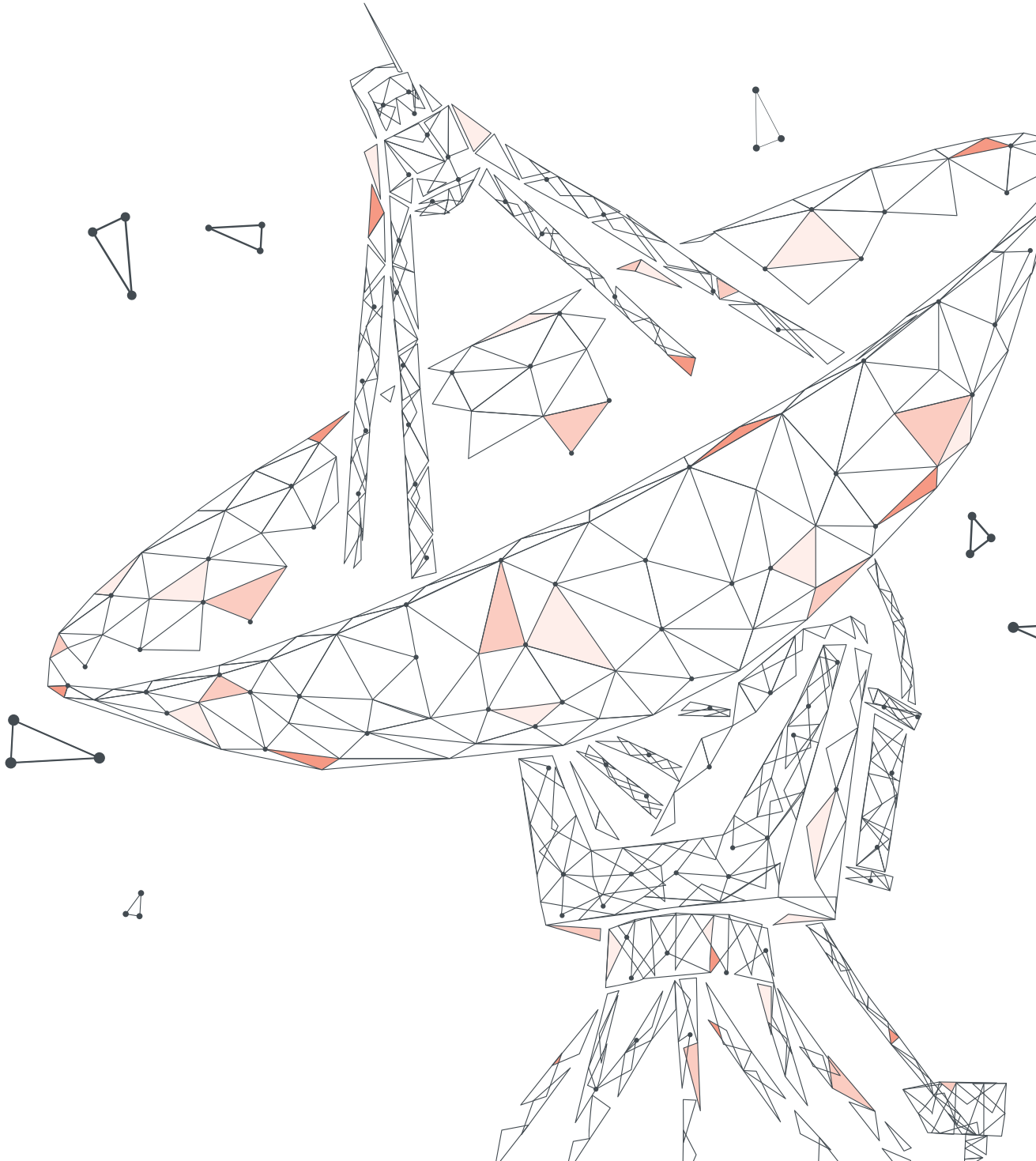
ELECTRONIC WARFARE

SIGN4L

 **HIGHLANDER**

ELECTRONIC WARFARE

Leveraging the electromagnetic spectrum to achieve mission success against threats — across all domains.





ELECTRONIC WARFARE | ELECTRONIC ATTACK PRODUCTS

SIGN4L



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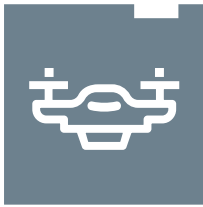
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V - PROTECT

V-PROTECT provides a leading-edge radio frequency (RF) communication jamming system that brings seamless and adaptable protection across a wide range of relevant frequency bands and technologies. Integrated into standard or armoured SUVs, the system is quickly deployable and easily operated to provide convoy protection, among many other applications.

Designed and built in the UAE, V-PROTECT is fully self-contained, with the option of external power source for on-the-pause operation and built-in shock absorbers to protect the system during high-speed or rough-terrain driving.

- Mobile operation. Installed in a vehicle, the system is fully self-contained, with the option of external power source for "on-the-pause" operation
- Active / reactive jammer to enhance range
- Easy to use. The system can be operated automatically or manually depending on user requirements
- Jamming of all frequencies associated with radios, walkie-talkies, mobiles and Wi-Fi
- Up to 16 wideband jammers for simultaneous operation across all bands.



ELECTRONIC WARFARE | ELECTRONIC ATTACK PRODUCTS SIGN4L



NAVCONTROL-G

NAVCONTROL-G delivers robust protection from hostile UAVs by deploying sophisticated jamming and spoofing measures against guidance systems relying on global navigation satellite systems (GNSS).

Designed and built in the UAE, NAVCONTROL-G produces covert GNSS denial and emulation signals to safely distance unmanned vehicle threats.

- Jams full range of GNSS spectrum.
- Spoofs the full range of GNSS spectrum to protect a specified area of interest.
- Combination of jamming and spoofing capability for maximum coverage range



D-PROTECT

D-Protect is RF jamming system for counter drone technologies. Ruggedized outdoor system is capable of jamming control and GNSS (global navigation satellite system) signals to neutralize hostile drones.

Designed and built by SIGN4L in the UAE, D-Protect produces powerful RF jamming signals for extended range operations.

- Jams full range of GNSS spectrum.
- Jams drone's command & control channels.
- Option: Spoofs full range of GNSS spectrum to protect a specified area of interest.



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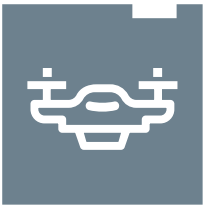
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ELECTRONIC WARFARE | ELECTRONIC PROTECTION PRODUCTS **SIGN4L**



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GPS-PROTECT

GPS-PROTECT uses the latest digital signal processing and array antenna technology to effectively protect users' GPS receivers from powerful jamming signals.

- Designed for countering Narrow Band (NB) and Broadband (BB) jammers
- Anti-Jamming module provided as fully enclosed system of Printed Circuit Board (PCB)
- Antenna enclosure customised to best fit specific platforms
- Works with legacy GPS receivers
- Easy installation



ELECTRONIC WARFARE | INTELLIGENCE PRODUCTS SIGN4L



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ACTIVECELL-SAR

SIGN4L has developed a full SDR (software defined radio) airborne cellular search and rescue system. This system can locate targets over 2G (GSM), 3G (UMTS) and 4G (LTE) network technologies.

- Mobile operation: Installed in manned or unmanned aerial platforms
- Easy to use
- Up to 8 high power base stations for simultaneous transmission across all available networks



BROCHURE

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WIFINDER

WIFINDER is a family of tactical solutions that give law enforcement and homeland security organisations a powerful tool to investigate and gather data intelligence from target devices across the wireless spectrum from 2.4Ghz to 5Ghz.

- Significant capture range
- Discrete and portable form factor
- Real-time collection of Wi-Fi emitters and metadata Intelligence gathering across multiple Wi-Fi connected devices



ELECTRONIC WARFARE | COMMAND & CONTROL PRODUCTS

HIGHLANDER



FLYER

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UNIVERSAL UTM

The EDGE Universal UTM empowers government authorities with next-generation air traffic control capabilities to manage, deny and approve all drone activity across a geography of any size. The software harmonises drone flights with all types of manned and unmanned fixed- and rotary-wing aircraft.

Drone agnostic: Integrates with off-the-shelf drones; new drones easily integrated

Infinitely scalable: No limit to the volume of traffic or geographic reach

Flight plan approvals: Confirms/denies flight plans, suggests alternatives

Real-time monitoring: Tracks all movements; suggests alternatives to avoid conflicts

Unified manned/unmanned aviation: Harmonises operations of drones and manned aircraft

User friendly: Intuitive dashboard, rapid mastery



ELECTRONIC WARFARE | COMMAND & CONTROL PRODUCTS

HIGHLANDER



FLYER

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MISSION CONTROL

The EDGE Mission Control software simplifies the design and implementation of multi-drone (swarm-drone) missions through a mission automation solution designed for defence, security and civilian deployment. Offering real-time monitoring, airspace control and collision avoidance, the software is capable of managing drone fleets of any size.

Payload control: Enables manipulation of camera, lights, speakers, etc.

Collision avoidance: Provides automated navigation adjustment

GPS loss protection: Secures drones, even when signal is lost

Share link: Gives live video feed of any drone to designated recipients

Object detection: Sets drones in patrol mode to count vehicles, people, etc.

Cockpit mode: Puts the operator in control of any drone at any time

Hot replacement: Calls up replacement drones when batteries run low

Terrain recognition: Guides drones around obstacles based on system data

EDGE



**CYBER DEFENCE
& SECURE
COMMUNICATIONS**

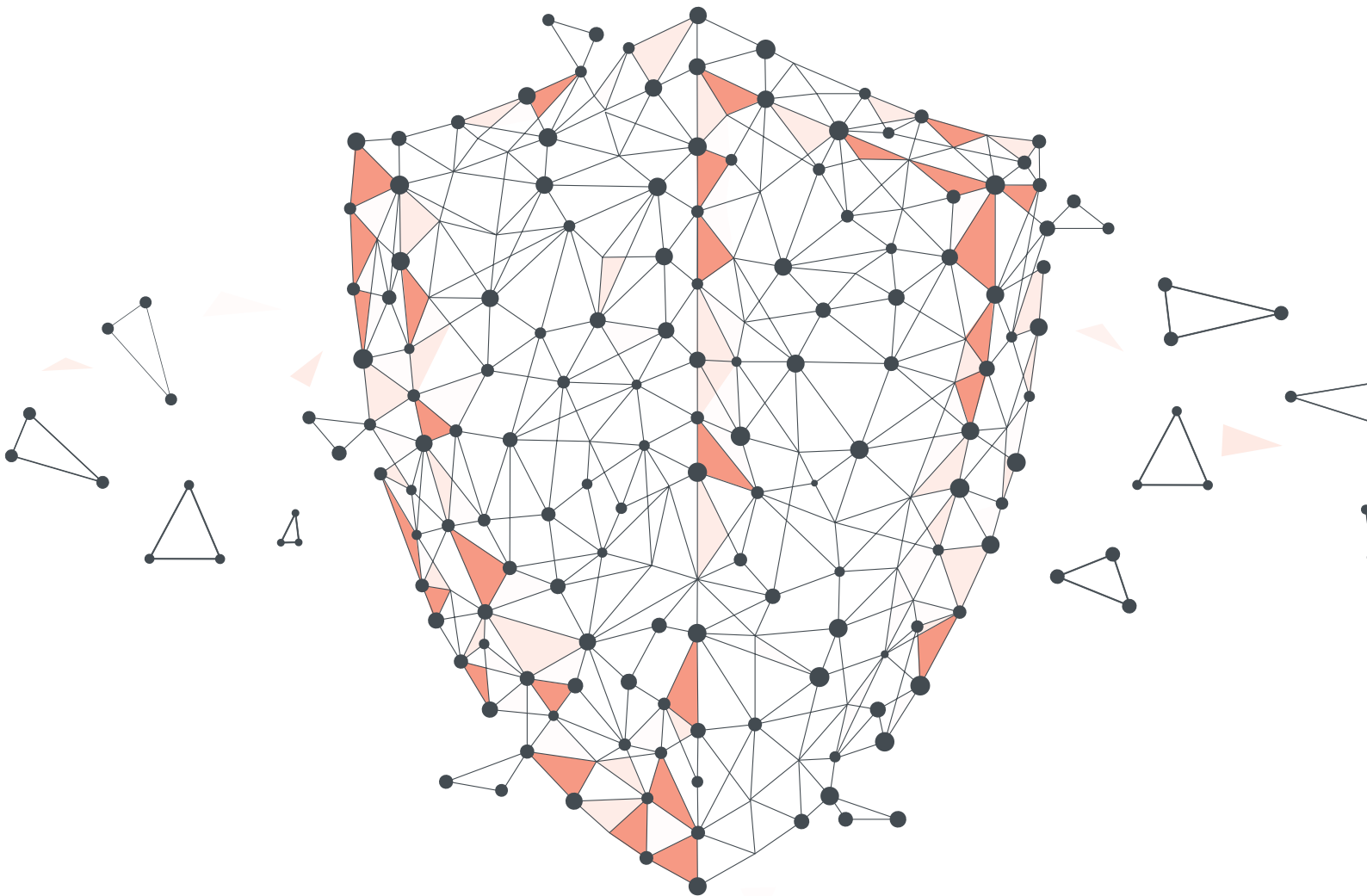
BEACON RED

KATIM

ORYXLABS

CYBER DEFENCE & SECURE COMMUNICATIONS

Providing the technology, people, and processes to protect organisations from digital attacks.





CYBER DEFENCE & SECURE COMMUNICATIONS

PRODUCT

BEACON RED



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RANGE ON WHEELS (ROW)

Our Range On Wheels (ROW) range automation technology combines the latest innovations in defence training with groundbreaking capabilities in cyber security. Through our advanced, portable emulation generator, users can create numerous different training scenarios for cyber operations, integration, manipulating new technology, or developmental operations orchestrations. By using off the shelf cyber range scenarios, ROW is able to emulate various environments. It can be fully integrated with both physical and virtual devices.





CYBER DEFENCE & SECURE COMMUNICATIONS

PRODUCT

KATIM



KATIM GATEWAY 9011

An industry-first, next-generation network encryption solution.

- Standards-based or custom national Crypto
- Post-quantum resistant primitives
- Best-in-class security with application-aware encryption
- Four cipher and plain SFP+ ports for pluggable copper or optical transceivers
- L2 or L3 VPN for up to 500 KATIM Gateways in point-to-point and/or mesh configurations
- HW designed for FIPS 140-2 Level 4 compliance



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KATIM GATEWAY 9001-R

Ultra-secure encryption for the most demanding environments and in-motion deployments

- Standards-based or national Crypto Suite
- Post-quantum resistant primitives
- Up to 1 Gbps bi-directional encryption capacity
- In-device generated, non-exportable peer authentication private keys
- L2 or L3 VPN overlay with full tunnelling
- HW designed for FIPS 140-3 Level 4 compliance



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CYBER DEFENCE & SECURE COMMUNICATIONS

PRODUCT

KATIM



KATIM GATEWAY 9001

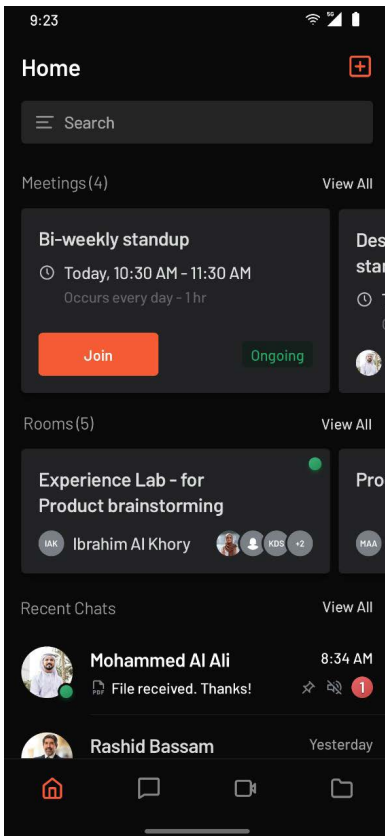
Ultra-secure encryption for small offices and remote locations

- Standards-based or national Crypto Suite
- Post-quantum resistant primitives
- Up to 1 Gbps bi-directional encryption capacity
- P2P and (M)P2MP hub-and-spoke or mesh topologies
- Authenticated key exchange
- Dual-layer asymmetric handshake leveraging both classical and post-quantum cryptography



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KATIM CONNECT

The ultra-secure messaging, calling, conferencing and file storage/sharing solution

- End to end encryption with custom crypto support
- Advanced user identity protection
- Flexible hosting options
- Self-manageable by Customer
- Federation with other businesses & public domains (b2b/b2c)
- Optional custom features



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CYBER DEFENCE & SECURE COMMUNICATIONS

PRODUCT

KATIM



KATIM X2

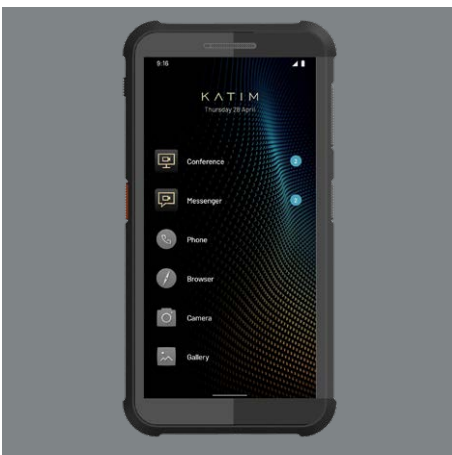
The industry's most secure 5G smartphone for communication in untrusted environments.

- 5G-enabled ultra-secure smartphone
- Highly advanced tamper protection and detection solution
- Unclonable Micro Controller Unit
- Client generated/owned/controlled keys
- AI powered Wi-Fi auto-connect and context aware security policies
- SHIELD MODE, protecting user privacy by disabling microphones and cameras in the hardware



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KATIM R01

An ultra-rugged smartphone, created to protect critical communication in the harshest and most severe field conditions, without compromise.

- Rugged MIL-STD 810G and 461G certified
- Five layers of hardened case to withstand drops, vibration, water, and dust
- Tamper protected secure Micro Controller Unit
- Device and user keys stored and managed on in-built secure element
- Customer defined and controlled trust roots
- Secure and integrity-protected platform



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KATIM

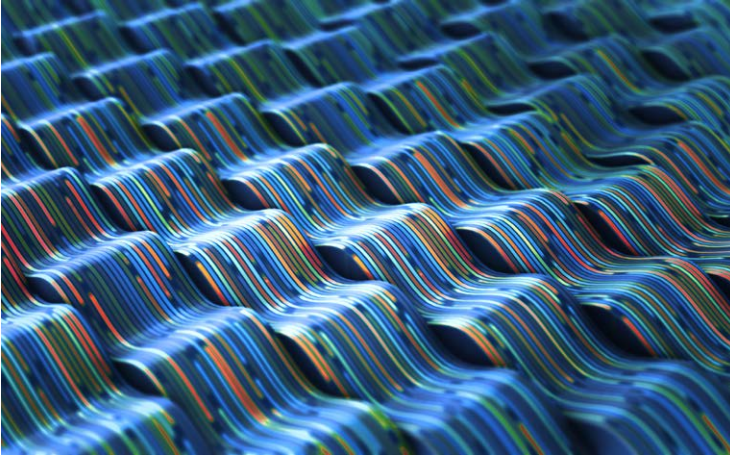




CYBER DEFENCE & SECURE COMMUNICATIONS

PRODUCT

ORYXLABS



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DISCOVERY

DISCOVERY is an External attack surface and digital risk protection solution that monitors and detects exposed internet-facing assets, domains, vulnerabilities, open ports, certificates, IoCs, breached accounts, suspicious domains, and products and technologies providing actionable insights for decision making.

It provides a continuous assessment and monitoring of enterprise digital assets and corresponding external attack surface to identify critical security issues.

UNIQUE FEATURES

EXTERNAL SURFACE MANAGEMENT DIGITAL RISK PROTECTION
WORKING AT SCALE

- Exposed Asset Mapping (Known and Unknown)
- Exploit Prediction Scoring System (EPSS)
- Benchmarks & vulnerabilities trends
- Comparison with peers in same industry
- Continuous Cyber Hygiene

RISK MONITORING

- Actionable Insights
- Security issues identification and prioritization
- Executive dashboards
- 24x7 Visibility & Monitoring
- Reduced time to evaluate security issues
- Multiple views of data for different stakeholders
- Multiple deployment options (on-cloud/on-prem)



CYBER DEFENCE & SECURE COMMUNICATIONS

PRODUCT

ORYXLABS



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DNS FIREWALL

DNS FIREWALL is a secure DNS based protection solution that protects users from malware, unauthorized or inappropriate web content, analyzing DNS queries and taking actions in real-time to mitigate malicious threats and making the network inherently more secure.

It protects in real-time users from malware, inappropriate content, and enables advanced internet usage monitoring, control, and incident response.

DNS Firewall operates at the DNS layer, monitoring and protecting DNS requests in real-time. It is a first layer-layer of defence for any enterprise and has the ability to stop complex multi-stage attacks.

- Enhanced DNS protection in real-time
- DNS protection outside of corporate network with roaming clients for Windows, Mac OSX, iOS and Android
- Reduced operational overhead with minimal false positive rate thanks to highly accurate malware detection
- Prevent spread of infection by quarantining infected roaming clients
- Visualize an entire enterprise DNS traffic in real-time
- Deploy in under 10 minutes across an entire enterprise

UNIQUE FEATURES

- Dynamic malicious activity detection and filtering
- Predictive threat intelligence
- Innovative domain generation algorithm (DGA) detection
- Granular configuration
- Auto-quarantine of infected devices
- Intuitive search feature for quick dns activity visualization

EDGE



**TRAINING &
SERVICES**

BEACON RED

EARTH

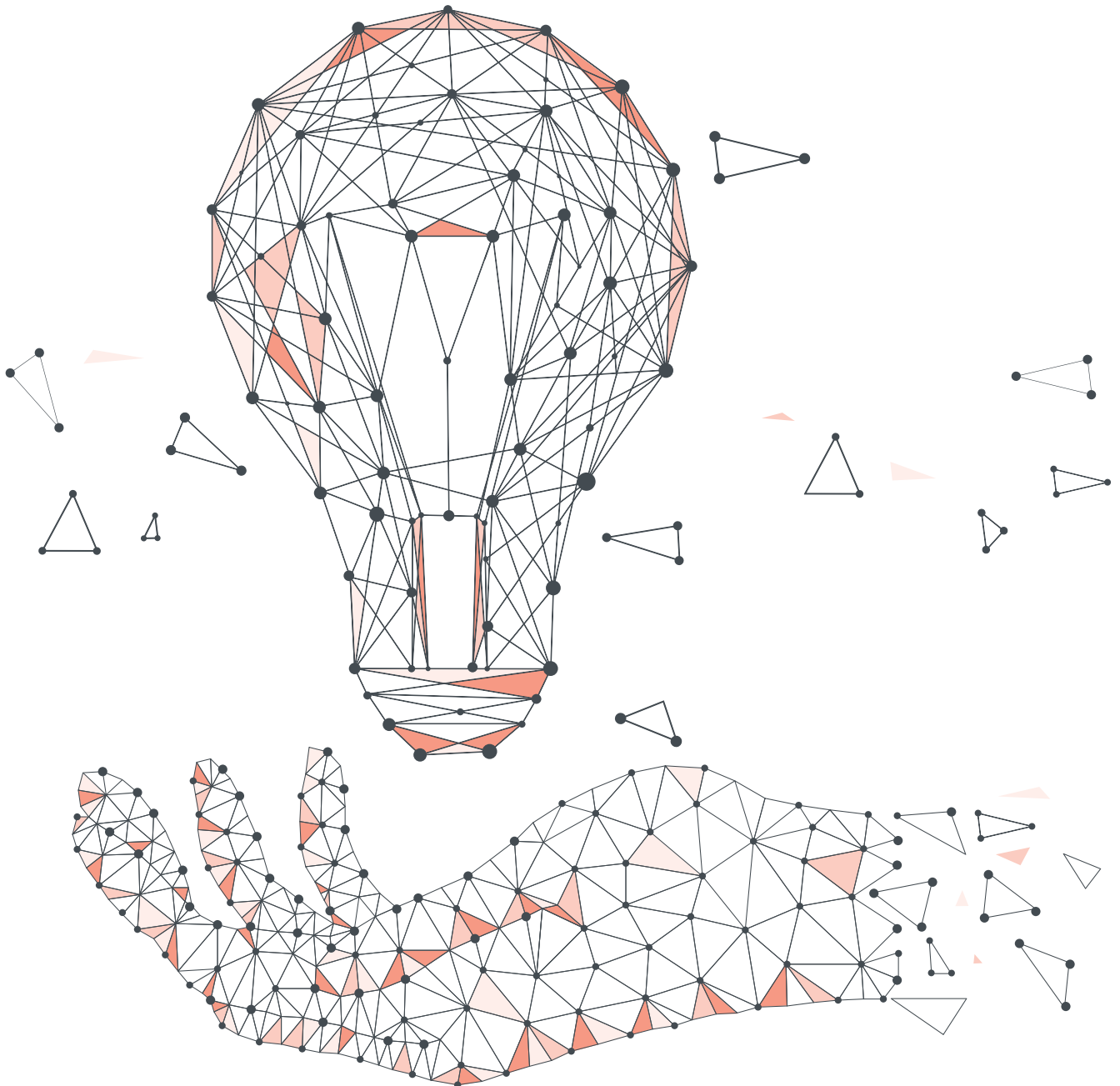
HORIZON

JAHEZIYA

REMAYA

TRAINING & SERVICES

Offering industry-leading firefighting and rescue services, helicopter pilot training and military grade shooting ranges to prepare the front line workers of tomorrow





TRAINING & SERVICES

SERVICES

BEACON RED

MISSION TECHNOLOGY AND CYBER

ITHREAT: COMPREHENSIVE THREAT INTELLIGENCE

iThreat delivers comprehensive threat intelligence with a particular emphasis on national security and broad strategic geopolitical analysis. It integrates intelligence from all sources into a hybrid data lake, creating a holistic platform for threat research and reporting across all domains. With iThreat, an organisation gains access to a powerful, region-focused, all-source intelligence research tool that addresses the kinds of strategic complexity which leads to organisational vulnerability and risk. This platform not only gathers, shares, and stores data which is crucial to your organisation but also correlates it for enhanced insights and anticipatory analysis by enabling access to archived historical data analysis, investigations, and reports. Equipping your organisation with necessary intelligence to mitigate a broad spectrum of threats, iThreat empowers you to navigate the complex landscape of national security with confidence and foresight.

CYBER FUSION CENTRE

Our cyber fusion centres are the future of unified security. In a world of complex and evolving cyber threats, traditionally isolated security measures are no longer enough. Representing a breakthrough in integrated defence by merging threat intelligence, incident response, and security operations into one singular framework, our cyber fusion centres are transformative. This synergy ensures rapid, informed reactions to cyber threats launched by threat actors globally. By amalgamating data from various sources, we provide a 360-degree view of any security landscape, enabling advanced threat detection and proactive defence. Our cyber fusion centres embrace the most comprehensive, tailored, and forward-thinking cybersecurity approaches for any public or private sector client.

COMPROMISE ASSESSMENT

To mitigate potential risks before they escalate, our compromise assessment services pinpoint suspected breaches in your network. Using advanced AI, state-of-the-art tools, and our seasoned cyber experts, we conduct the most robust and in-depth analysis of your systems to unearth hidden threats and vulnerabilities. This includes a meticulous search for indicators of compromise, validation of your data's security, evaluation of your defence measures, along with offering actionable insights for both immediate fixes and long-term security planning.

INCIDENT RESPONSE

Act swiftly and decisively against cyber threats with our incident response services. Our team is primed to respond, leveraging advanced technology and strategic methods for rapid detection, containment, and remediation. We do not just resolve the immediate threat; we restore your business operations, fortify your defences, and equip you with best practices to prevent future incidents. With our incident response services, any organisation (public or private) can recover, adapt, and strengthen their cyber defences, turning challenges into opportunities for enhanced future security.



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TRAINING & SERVICES

SERVICES

BEACON RED

OPEN SOURCE INTELLIGENCE

Protect your brand's integrity against the vast myriad of digital threats with our open source monitoring and analysis services. We monitor and analyse surface and dark web channels, forums, and social platforms to identify any unauthorised brand use, reputational risk, and mis/disinformation that is deployed to undermine the strategic goals of any organisation – public or private. This also includes working cross-sectoral to coordinate, collaborate, and design effective response strategies.

MONITORING AND REPORTING SERVICES

Stay vigilant in the ever-evolving digital landscape with our security monitoring and reporting services. Our proactive strategies, equipped with advanced threat detection and real-time alerts, identifies potential security incidents before they escalate. This includes initiating immediate response measures once we spot threats, ensuring continuity across all business verticals. Additionally, prioritising transparency is always our goal; therefore, we offer tailored reports that demystify cybersecurity for enterprise wide knowledge transfer.

SYSTEM ARCHITECTURE DESIGN AND REVIEW

In a world where cyber security is foundational, we offer system-wide architecture design and review services to construct and harden any digital infrastructure. Our experienced cyber architects collaborate – enterprise wide – to design systems that prioritise security, scalability, and efficiency. Through our proactive review process, we identify vulnerabilities and areas for enhancement, ensuring your system aligns with industry best practices and is prepared for future challenges. With our focus on adaptability, we ensure all digital architecture is ready to mitigate the risk posed by complex threat actors globally.

TECHNICAL SECURITY SERVICES

In an environment where threats are elusive and ever evolving, our technical surveillance services are innovative in their approach to disrupting and defeating the most complex risks. Staffed with security-cleared UAE national and international security professionals, our personnel come from the leading law enforcement and intelligence agencies. Furthermore, our holistic approach to technical surveillance counter measures leverages red team penetration testers to rigorously challenge and stress test any security architecture, regardless of geography or topography. Deploying state-of-the-art surveillance solutions, we provide threat detection and response across all domains, in real-time – anywhere.

DIGITAL FORENSIC SERVICES

Navigate the aftermath of a cyber-incident with clarity, focus, and precision with our digital forensics services. Delving deep, we employ cutting-edge technologies to investigate, collect, and analyse digital evidence – across all domains. Whether its data breaches, system intrusions, or internal misuse, we help organisation's grasp the full context of the incident. Our team identifies the origin of the attack, provides insights to prevent future breaches, and ensures strict confidentiality throughout the entire process.



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BEACON RED

INTEGRATED SECURITY OPERATIONS CENTRES

In a world where the lines between physical and digital security are extremely nebulous, our integrated security operations centres (SOCs) offer a comprehensive solution that is not only integrated, but interoperable. Seamlessly merging cybersecurity and physical security measures, we ensure robust 360 protection for any organisation working in the public or private sectors. Our SOC's are equipped with advanced technologies such as facial recognition, AI based data analytics, and smart-sensor (IoT) technologies allowing us unprecedented (24/7) monitoring capabilities for both static and dynamic business/security operations.

RANGE ON WHEELS: ROW

ROW is a flagship range automation technology designed by our mission engineers and technologists. Combining groundbreaking innovations to enhance capabilities in cybersecurity and defence training, ROW is an advanced portable emulation generator. This provides cyber defence organisations the ability to create multiple training scenarios, while at the same time provide a platform for the integration and orchestration of developmental operations. By leveraging off-the-shelf cyber range scenarios, ROW can mimic various environments and fully integrate with both physical and virtual devices — delivering the cyber defender in any national security organisation the tools they need to defeat the complex threat vectors driving global cyber risk.

FORENSIC LAB ON WHEELS: FLOW

FLOW is a turnkey mobile forensic solution deployed right out of the box and is fully customisable to meet any specific organisational need. With seamless integration of various tools and hardware, FLOW is equipped with mobile and disk forensic acquisition capabilities, as well as forensic image storage. Designed for high mobility and durability, FLOW features shockproof, military-grade racks that are environment-proof, making it ideal for tactical deployments. FLOW has been specifically engineered to provide all the necessary tools and capabilities to deploy a forensic lab anywhere in the world within minutes.

DATA CENTRE ON WHEELS: DOW

Datacentre on Wheels (DOW) is a ready-to-use solution designed for maximum mobility and rapid deployment. Its customisable nature allows for various software and hardware configurations, including the ability to run virtual desktops seamlessly with a GPU for high processing demands. The modular rack and stack design enhances its scalability, making it an ideal choice for tactical operations and mobile missions. At BEACON RED, we understand the unique challenges and demands of maintaining a defence infrastructure that's accessible anytime, anywhere. Our DOW solution is specifically engineered to provide the tools and capabilities necessary to deploy a data centre within minutes, in any environment worldwide.

DEEP DIVE ASSESSMENTS

Exposing potential network vulnerabilities in digital infrastructure is a critical component of how we stay ahead of the attack surface. Always preparing for future threat complexity, we focus on mission risk by simulating attack vectors in any ICT ecosystem, not relying on outdated cyber controls and countermeasures. Our Deep Dive Assessments are a comprehensive set of security exercises that provide robust insights, which exposes risk and provides enhanced data-driven baselines to accelerate end-to-end cybersecurity.



TRAINING & SERVICES

SERVICES

BEACON RED

DUE DILIGENCE

Threats can emerge unexpectedly and at inconvenient times. Our team of seasoned security analysts work tirelessly to safeguard our partners, clients, and stakeholders from insider threats, compromising situations, and financial and reputational damage. Our comprehensive due diligence strategy employs advanced technical monitoring tools and automated processes to conduct thorough background verification checks. These checks serve as a robust line of defence against emergent threats to an organisation's internal security via new hires, vendors, and partners. We navigate open sources to identify a variety of risks, including illegal activities, criminal records, sanctions, compromised accounts, money laundering, and associations with objectionable third parties. We also create customised travel advisory reports that provide information on secure electronics usage, physical security, and safety nets, reducing risks for employees when traveling on business or holiday.

TECHNICAL SECURITY COUNTER MEASURES

We provide bespoke technical security countermeasures, which integrate physical red teaming, security operations, and cyber defence/security solutions in one place. Our TSCM platform is applicable across multiple industries and sectors, assessing how security can be optimised across people, processes, and technologies. With physical penetration testing by our team of specialists, we can prevent illicit access across all domains – which is the frontline in successful security planning.

ORGANISATIONAL TRANSFORMATION

TARGET OPERATING MODEL DESIGN

Human capital managers need to evolve, transform, and ultimately change. Today's workforces are more agile, reflective, and insightful about their career goals, which means attracting and retaining the best talent requires more than just traditional human resource (HR) capabilities. As part of our change management platform, we help organisations align their workforce priorities by designing target-operating models that reshape the way organisations interact – enhancing efficiencies, while simultaneously removing siloed work teams. This includes the enabling technology, capturing analytics, creating insights, evolving best practice, and using those to define future-focused policies and procedures that can transform organisational structures to succeed in today's rapidly accelerating world.

WORKFORCE PLANNING

Finding and retaining the best talent in the post-pandemic workforce requires a new set of management skills, those which know how to focus on internal mobility, upskilling capabilities, and leveraging flexibility. As organisations undergo change, identifying how workers can best optimise their performance by improving their employee experience remains a significant priority. Especially in fast-paced dynamic markets servicing government agencies and critical infrastructure organisations. This includes knowing how to develop, implement, and diversify non-traditional candidates as part of a broader workforce change – more so, as traditional recruitment models no longer offer the best pathway to the most talented candidates. Organisations across every industry and sector now face momentous challenges in creating the right workforce to confront the most dynamic global challenges.



TRAINING & SERVICES

SERVICES

BEACON RED

COMPETENCY MAPPING

Dynamic workforces in high-pressure environments bring together a combination of hard and soft skills to achieve optimal performance. However, there is no ideal formula, which is why we support organisations to develop comprehensive competency mapping as part of their organisational transformation. This includes understanding how a potential candidate or long-term employee deploys their personal attributes, skills, and knowledge to achieve the strategic goals and objectives of the organisation. Working with human capital departments, we support talent acquisition managers in mapping what competencies are needed, not just to drive outcomes and impact, but to build cultures of sustainability and resilience across all organisational roles.

WORKFORCE INTELLIGENCE

Knowing how to identify the right person for the most mentally challenging jobs is a laborious process, especially in national security organisations that confront hybrid threats. With a team of data scientists and psychologists, we analyse millions of data points from purpose-built assessments to identify the drivers of individual potential, high performance, and mission readiness. Because of this, our approach to personnel selection and talent identification is data driven; closing skills gaps and shaping organisational strategies that improve national security outcomes across all domains.

PROFESSIONAL DEVELOPMENT TRAINING

Our Knowledge Management team collaborates with clients and partners to deliver the highest quality professional development training services. These programs are designed to cultivate staff at all career levels and give them the required skills to become better leaders, mentors, managers, and colleagues. We offer both nationally and internationally accredited programs and work closely with human resources and organisational transformation teams to provide individualised development programs, delivered by cutting-edge educational technology solutions.

PSYCHOMETRIC SERVICES

Through our comprehensive suite of psychometric assessments, we delve into various facets of individuals, which includes their intelligence, personality traits, mental resilience, language proficiency, and occupational preferences. By utilising these assessments, we can identify strengths and areas for development, pinpoint potential challenges, and detect early signs that might indicate maladaptive behaviour or mental health concerns. This in-depth understanding of individuals empowers organisations to make informed decisions and foster a supportive environment that prioritises the well-being of their employees.

ASSESSMENT AND DEVELOPMENT

At our assessment and development centres, we employ engaging exercises that simulate real-world job challenges, offering valuable insights into an employee's potential performance in the workplace or training environment. Through structured observation, we assess their abilities, skills, and behaviours in action, providing a comprehensive evaluation that transcends traditional methods. This approach empowers organisations to make well-informed decisions about talent development and selection, ensuring the right people are in the right roles for optimal performance.



TRAINING & SERVICES

SERVICES

BEACON RED

ASSESSMENT AND SELECTION SERVICES

We assist clients in both the public and private sectors to make objective and informed decisions for recruitment or promotion. By utilising job analysis, we gain deep insights into the qualities that make an individual successful in specific roles within the organisation. Armed with this knowledge, we effectively evaluate candidates based on their skills, competencies, and suitability for the position. Our approach ensures that clients select the best-fit candidates who not only possess the necessary skills and potential, but also align with the organisation's values and culture. This way, we help build teams that are not just competent, but also cohesive and committed to the organisation's mission.

ASSESSMENT ADVISORY SERVICES

We provide strategic guidance and customised solutions to optimise our clients' assessment processes. Leveraging dynamic talent analytics, industry expertise, and systematic research, we uncover trends and predict potential vulnerabilities within a client's workforce or talent pool. These insights empower our clients to make data-driven decisions and enhance their talent management strategies. With our support, clients can ensure they're not just reacting to changes in their workforce, but proactively shaping it for the future.

COMMUNICATIONS AND BRAND MANAGEMENT

In our hyper-connected world, brand management and acceleration is paramount. This reality underscores the importance of internal and external communications for any organisation seeking to undergo change and transformation, regardless of the sector. Our team of media professionals, brand managers, and content creators are at the forefront of strategic communications and content creation, integrating data driven metrics, social listening technologies, and generative AI into the communications stack. Now, more than ever, we also prioritise the creation of crisis communication policies and procedures, a critical component in a digital landscape polluted with constant disinformation. Creating content to communicate change is a necessity for any brand undergoing transformation. This is why we prototype the development of content that drive engagements, conversation, and authenticity — essential elements needed for a successful workplace architecture.

CERTIFICATE ENABLEMENT SERVICES

Empowerment is at the heart of our mission. This is why we support all organisations seeking to achieve ISO management systems certifications. Why is ISO necessary? In the global arena, quality and safety standards vary greatly, making a certification like ISO more essential than ever. Achieving this certification not only bolsters confidence in an organisation's capabilities but also attests to their services meeting the highest performance standards. Just as our workforce architectures support HR transformation, our certification enablement team works collaboratively, fostering tailored approaches that expedite certification. This process includes internal reviews and management evaluations, ensuring your organisation meets the rigorous requirements necessary for ISO certification.



TRAINING & SERVICES

SERVICES

BEACON RED

NATIONAL SECURITY CAPABILITIES

INTELLIGENCE TRAININGS

Bringing together specialists and experienced officers from elite national security agencies to develop and deliver internationally benchmarked intelligence training and advisory services, we provide best-in-class opportunities for both public and private sector partners.

LAW ENFORCEMENT TRAININGS

Working with law enforcement agencies throughout the region, we offer specialist trainings and advisory services across a number of domains to help build the capacity of police departments to face the rigorous challenges of domestic security.

SPECIALIST TACTICS AND WEAPONS TRAINING

We provide law enforcement agencies specialised tactics and weapons training, benchmarked against the most robust and contemporary international standards.

LEADERSHIP TRAINING AND TEAM BUILDING

With our team of internationally recognised trainers from elite agencies and global industries, we create and deliver robust leadership and teambuilding platforms that enhance the skills of professionals at all levels of their careers.

INCIDENT RESPONSE

We offer comprehensive and full-service response capabilities for clients that include investigations, advisory, reputation management, communication, negotiation, business continuity, as well as preparedness exercises to build and test capabilities which can respond to real-world events, regardless of complexity.

DIGITAL OVERWATCH

Digital Overwatch is a revolutionary social intelligence platform, addressing the acceleration of weaponised media, digital disorder, and information pollution. This includes the risk from maligned actors spreading misinformation, disinformation, and state and non-state propaganda. Leveraging deep AI-driven insights, our precision-focused technologies confront these threats in any information environment, before they transition, becoming real-world disruptive events.

LANGUAGE AND CULTURE TRAINING

ARABIC LANGUAGE SERIES FOR NON-NATIVE SPEAKERS

Our Arabic language series for non-native speakers provides the fundamentals for conversational Arabic at basic, intermediate, and advanced levels. Each course focuses on the customs and courtesies that intersect with the Arabic language both locally and regionally. This provides a robust and essential understanding of the essentials needed to gain the advantage in any public or private sector industry. We also offer full Arabic immersion courses in a four-week socially engineered program that covers language, culture, and socio-cultural aspects of the region for up to 12 hours a day.



TRAINING & SERVICES

SERVICES

BEACON RED

ENGLISH LANGUAGE SERIES

Essential to the international workplaces in the UAE, our courses prepare non-English speakers for real-world interactions where English is critical. This series includes basic English fundamentals including global and business English, as well as English for leadership and management, civilian interactions, national security professionals, and diplomats.

CULTURAL AWARENESS SERIES

Designed to provide both public and private sector industries a competitive advantage in the Middle East's dynamic business landscape, our culture awareness and regional studies programs are transformative for career professionals at all levels. These programs are designed around a deep understanding of Middle Eastern culture at local and regional levels. This also includes best practices and etiquette for conducting negotiations and communicating, developing regional meeting structures, building trust and relationships, along with facilitating high-level networking across all critical regional industries.

TRANSLATION SERVICES

We offer bespoke translation services designed to assist both public and private sector organisations. This includes tailored translations across a variety of sectors, including national security, advanced sciences, training content, cryptocurrencies and blockchain, and e-learning. Covering over 60 language pairs, each translation undergoes a rigorous multi-step quality control process to ensure we communicate messages with intent and efficiency. Our content management system is also customised to meet the highest government-grade security standards, ensuring the translation of sensitive information remains safe and secure at all times. Agile and adaptable, we can scale to accommodate large projects or meet any client need in near real-time.

PRINT SERVICES: IN HOUSE

We leverage our in-house digital printing press to produce high-quality images and text for a diverse range of applications. By managing our printing internally, we eliminate the security risks associated with outsourcing, providing an extra layer of protection for sensitive information. Our specialised printing services also include unique features such as micro-text embedding, allowing confidential information to be printed at less than 1 point in size -- appearing as tiny dots to the naked eye. We also utilise fluorescent, correlation, and infrared marks that contain hidden text virtually undetectable under normal lighting. We can handle large formats up to 330 x 660 mm on a variety of paperweights with resolutions up to 2400 x 2400 dpi. Binding options and a selection of punch styles, trims, and folds are also available.



TRAINING & SERVICES

SERVICES

EARTH

ELECTRO-OPTICS CENTRE OF EXCELLENCE

Electro-Optics and Infrared (EO/IR) plays essential part of the operation as the system consist of visible spectrum and infrared Sensors, that provide situation awareness and detects accurate radiation of the surrounding by converting light into electric signals and infrared sensors. Military EO/IR systems have more advance capability uses artificial Intelligence, hyperspectral imaging and light detection & ranging that enables to target identification, assess treats from a specified distance in different weather condition.

At EARTH, our purpose is to ensure your EO/IR systems are performing at their peak whenever and wherever required. We are a regional leader in the provision of advanced EO/IR systems and services. Working in state-of-the-art clean room facilities, our exceptionally skilled engineers, experts and technicians provide specialised solutions in camera, thermal and laser technologies, including integration of all types of EO/IR systems into land, air and sea platforms.

OUR DIFFERENTIATORS

- **Leading regional electro-optics centre of excellence**
- **High-tech, GPS/Wi-Fi cleanrooms**
- **ESS climate and vibration testing chambers**
- **R&D labs for advanced EO/IR design and integration**
- **Technical training rooms and auditoriums**
- **LOS Testing**
- **Depot level repairs**
- **State of the art high tech equipment's**
- **Semiconductor clean rooms (Class 5 to 8)**

STATE-OF-THE-ART FACILITIES

CLEAN ROOMS

- 3,100 sqm of clean operating space
- Laser development and production
- Camera development and production
- Electronics laboratory
- Clean storage
- LOS Testing (Line of Site) Testing
- Depot level repairs – Highest level of repairs
- State of the art high tech equipment's
- Semiconductor clean rooms (Class 5 to 8)
- Regional Repairs (Middle East, Africa, GCC etc

OUR CAPABILITIES

- Supply chain management
- Trainings
- Asset management
- EO calibration and validation
- Assembly and production line
- ESS (Environmental Stress Screening)



TRAINING & SERVICES

SERVICES

EARTH

PROGRAMMABLE CLIMATE CHAMBERS

- Extreme temperature and humidity stress tests
- EO/IR systems functional tests from 150°C to -40°C
- Complete temperature FAT/SAT verification and validation

VIBRATION TESTING SYSTEM

- Secured, controlled environmental stress tests in vibration
- EO/IR systems functional tests across a range of platform profiles
- MIL-STD -810
- Multiple-axis test capabilities





TRAINING & SERVICES

SERVICES

HORIZON

ENGLISH LANGUAGE PROFICIENCY

TRAINING

The fully accredited HORIZON English Language Proficiency (ELP) test enables pilots to fulfil their GCAA licence requirements.



CLICK TO VIEW

FLYER

PILOT TRAINING

SINGLE ENGINE HELICOPTERS

PRIVATE PILOT LICENCE - HELICOPTER (PPL)

The PPL enables you to act as helicopter pilot-in-command for personal flight.

COMMERCIAL PILOT LICENCE - HELICOPTER (CPL)

We train pilots to operate single-engine helicopters on a commercial basis. This entry level course takes students from zero flying hours all the way to the GCAA CPL (H) licence, with no previous flying experience required.

FLIGHT INSTRUCTOR - HELICOPTER (FI)*

This advanced course provides pilots with the ability to instruct students to licence standard.

QUALIFIED MILITARY PILOT BRIDGE COURSE - HELICOPTER (QMP)

In this course, we train qualified military pilots to enable them to obtain the GCAA CPL (H) / CPL - IR (H) licence.

INSTRUMENT RATING (IR)

This programme trains pilots in Instrument Rating standards, which is required for any pilot to fly under Instrument Flight Rules (IFR).

TYPE RATING (TR)

This conversion course is designed to familiarise the pilot with the aerodynamics, mechanics, technology, operation, performance and emergency procedures of a certain aircraft type.

NIGHT RATING (NR)

Our Night Rating programme trains qualified and licensed pilots to safely operate a helicopter at night.



CATALOGUE

* Required Type Rating



TRAINING & SERVICES

SERVICES

HORIZON

PILOT TRAINING

TWIN-ENGINE HELICOPTERS

AIR TRANSPORT PILOT LICENSE ATPL (H)

The aim of our ATPL (H) integrated course is to train pilots to operate as a co-pilot on multi-pilot multi-engine helicopters in commercial air transport.

INSTRUMENT RATING (TWIN ENGINE)

The IR (H) modular flying training course trains pilots to operate helicopters under IFR and in Instrument Meteorological Conditions (IMC).

TWIN-ENGINE CONVERSION AND MULTI-CREW COORDINATION (MILITARY)

This course enhances the capability of pilots to perform operational missions and to function as a team, led by the pilot in command. It also provides pilots with the skills and knowledge to safely operate helicopters in a multi-pilot environment.

TYPE RATING (TR)

This conversion course is designed to familiarise the pilot with aircraft type.

NIGHT VISION GOGGLES (NVG)

This course trains pilots to operate a helicopter safely at night using Night Vision Goggles.





TRAINING & SERVICES

SERVICES

HORIZON

GENERAL AVIATION COURSES

FLIGHT SAFETY

AVIATION GROUND SAFETY

AIRCRAFT ACCIDENT INVESTIGATION AND MANAGEMENT

AVIATION MANAGEMENT

CREW RESOURCE MANAGEMENT

MANAGEMENT OF FLIGHT SAFETY AND ACCIDENT INVESTIGATION

FLIGHT SAFETY OFFICER







TRAINING & SERVICES

SERVICES

JAHEZIYA

FIRE & EMERGENCY SERVICES

As providers of industrial, aviation and maritime firefighting and rescue services for high-risk facilities and critical assets, we offer high-quality, cost-effective and fully integrated fire protection solutions. Our premium, around-the-clock firefighting and rescue services protect lives and infrastructure, mitigate client risks, liabilities, and negative impacts of business disruption due to fire and emergency events. Our services include:



BROCHURE

CLICK TO VIEW

MANAGING & OPERATING FIRE & EMERGENCY RESPONSE SERVICE

RISK-BASED SOLUTIONS

- JAHEZIYA subject matter experts evaluate and analyse potential risks to your organization, identifying vulnerabilities and prioritizing mitigation strategies, and cost effective solutions.
- JAHEZIYA sustains a proactive approach through continuous monitoring, ensuring that the provided fire and rescue service is well-prepared and equipped for any emerging threats.

SPECIALIZED INDUSTRIAL FIREFIGHTING & RESCUE

- Highly Skilled Firefighters
Our specialized industrial firefighting team comprises highly trained professionals skilled in combating complex fire scenarios.
- Expert Rescue Operations
Our teams efficiently handle rescue operations, from confined spaces to low and high angle rescue, ensuring the maximum safety

EMERGENCY MEDICAL SERVICES (EMS)

- Ambulance and EMT Services
Professional emergency medical services team trained to swiftly respond to handle on-site injuries and medical situations effectively, delivering immediate medical assistance and promoting better pre-hospital care outcomes.

FIRE, RESCUE, AND EMS MANPOWER SUPPLY

- JAHEZIYA provides teams of qualified and certified professionals for the staffing of fire stations and EMS units. We continually offer training and development programs to maintain competency and upskill our staff to ensure operational readiness.

CONSULTANCY

GAP ANALYSIS FOR ENHANCED PREPAREDNESS AND RESPONSE

JAHEZIYA SMEs conduct a gap analysis for enhanced preparedness and response through meticulous;

- Evaluation and assessment
- Identifying vulnerabilities
- Solutions and implementation
- Monitoring and Control



TRAINING & SERVICES

SERVICES

JAHEZIYA

CRISIS & DISASTER MANAGEMENT PLANNING

JAHEZIYA offers consultation on creating effective crisis and emergency management solutions for response to crises and emergencies, including integrating response strategies with the National Response Framework per NCEMA and Civil Defence guidelines.

In addition, JAHEZIYA helps to prepare Incident Management Teams and Crisis Management Teams through realistic simulation exercises in coordination with the local authorities.

FIREFIGHTING TRAINING

Basic, advanced, and specialised firefighting-related courses are designed to equip learners with the knowledge and necessary skills to manage and extinguish a fire. The courses offered by JAHEZIYA within this domain include:

- Basic Fire Fighting training
- Advanced Fire Fighting training
- Fire Warden with Fire Extinguisher User Training

HEALTH & SAFETY ENVIRONMENT TRAINING

The HSE training programmes educate trainees on how to work safely in many environments and industries. The courses offered include:

- Confined Space Entry Training
- H2S Awareness including Gas Testing training
- Gas Testing Awareness training
- Permit to Work Training
- Working Safely Training
- Health and Safety at Work Training
- Fire Warden training
- Defensive Driving training
- Risk Assessment training
- Self-Contained Breathing Apparatus training(SCBA)

FIRE & RESCUE TRAINING

The mission of the JAHEZIYA Fire and Rescue Department is to train personnel responsible for industrial fire protection and emergency services, throughout the UAE. We help them deal effectively and efficiently with the social, economic, and technical aspects of fire and emergency response. We enhance their professionalism, and capabilities to protect the UAE from the devastation of fire, environmental, natural and man-made emergencies by providing state-of-the-art education, training, resources, certification, and leadership. The courses offered include:

- NFPA 1072, Hazardous Materials - Awareness Level
- NFPA 1072, Hazardous Materials - Operations Level
- NFPA 1072, Hazardous Materials - Mission Specific Responsibilities (PPE and Product Control)
- NFPA 1001, Professional Fire Fighter levels 1 & 2
- NFPA 1002, Pumping Apparatus Driver / Operator
- NFPA 1021, Fire Officer levels 1 & 2
- NFPA 1041, Fire Service Instructor levels 1 & 2
- NFPA 1031, Fire Inspector levels 1 & 2
- NFPA 1081, Facility Fire Brigade - Incipient level
- NFPA 1081, Facility Fire Brigade – Advanced Exterior level
- Auxiliary Fire Fighting
- Fire and Rescue training accredited through Pro Board or JOIFF



TRAINING & SERVICES

SERVICES

JAHEZIYA

FIRST AID TRAINING

First aid training provides students with the information and skills to handle injured personnel. The various courses offered include:

- Level 3 International Award in Emergency First Aid at Work and Use of an AED
- Level 3 International Award in First Aid at Work and Use of an AED
- First Aid Training available through Highfield

OFFSHORE- TRAINING

Offshore training is designed for those working in the offshore oil and gas industry. It ensures that personnel travelling to and from offshore locations and understand the hazards and controls onboard, and what to do in an emergency. The courses include:

- (BOSIET) Basic Offshore Safety Induction And Emergency Training
- (BOSIET) Basic Offshore Safety Induction And Emergency Training (Digital Delivery)
- (TBOSIET) Tropical Basic Offshore Safety Induction And Emergency Training
- (TBOSIET) Tropical Basic Offshore Safety Induction And Emergency Training(Digital Delivery)
- HUET with wet dingy drill
- (TSbB) Travel Safely by Boat Training
- (FOET) Further Offshore Emergency Training
- (TFOET) Tropical Further Offshore Emergency Training
- (H2S) Basic Hydrogen Sulphide training
- (HUET) Helicopter Underwater Escape Training and Sea Survival training
- Heli Deck Assistant HDA and Helicopter Landing Officer [HLO] & Helicopter Emergency Response Teamtraining
- Sea Survival Training
- Helicopter Underwater Escape & Sea Survival Training
- Offshore Training accredited available through OPITO or JOIFF

MARINE & SURVIVAL

Marine and survival training is for anyone who might work on board vessels. It focuses on roles and responsibilities while onboard, chain of command, communications, and responding to emergencies. The courses include:

- Personal safety and social responsibilities - PSSR
- Personal survival techniques training - PST
- Fire prevention and firefighting training - FPFF
- Elementary first aid training - EFA
- Advanced Firefighting - AFF
- Maritime Training accredited available through Ministry of Energy and Infrastructure



TRAINING & SERVICES

SERVICES

JAHEZIYA

SPECIALISED TRAINING

- The specialist training is predominantly for military, cadets as either entry training or refresher training in emergencies related to shipboard operations. Basic NBCD training
- Work up program
- Damage control – ship stability/ control / repair
- Shipboard fire fighting – operations/ procedures
- Sea survival – techniques, equipment, individual, group

OFFSITE/MOBILE TRAINING

We offer first aid and firefighting training via a Mobile Training Unit. This includes:

- Workshop - fire awareness - via mobile training unit
- Emergency first aid training - via mobile training unit
- Basic firefighting training - via mobile training unit
- Fire warden with fire extinguisher user training - via mobile training unit





TRAINING & SERVICES

SERVICES

LAHAB
MILITARY SERVICES

LAB SERVICES

ENGINEERING LAB

At LAHAB MILITARY SERVICES, our comprehensive technical support and engineering expertise covers process design, product design and development, plant design, safety analyses, and technology transfer, and a host of others technical services for the defence and security sector.

TRAINING LAB

Our UK-accredited training courses in Ammunition Management for activity and processes before, during and after manufacturing are among the region's most comprehensive. Run by fully qualified and highly experienced international experts, we can provide training in the UAE or at your own facilities worldwide.

Your staff need continuous training and development where it matters most. Which is why our in-depth courses enable you to understand, manage, maintain, store, transport and dispose of your ammunition safely and efficiently in accordance with ammunition best practice and the International Ammunition Technical Guidelines.

Our training courses include:

Ammunition and Explosives Foundation Course, Ammunition Technician, Ammunition and Explosives Storage Management, Ammunition and Explosives Transportation, EOD Certification, HAZMAT, Firing Officers Course, Explosive Facilities Licensing, Range and Proof Officers Course, Ammunition Surveillance, Ammunition Manufacturing and more. We also design tailor-made training to suit your specific operational requirements.

TESTING LAB

At LAHAB MILITARY SERVICES, our dedicated facilities for ammunition and components testing are among the best staffed and equipped in the MENA region.

Training Our UK-accredited training courses in Ammunition Management for activity and processes before, during and after manufacturing are among the region's most comprehensive. Run by fully qualified and highly experienced international experts, we can provide training in the UAE or at your own facilities worldwide.

- X-Ray Laboratory Our X-Ray laboratory undertakes full X-Ray inspection of a wide range of ammunition and components in order to ensure safety and quality. Our X-Ray technology is able to analyse large munitions such as aircraft munitions.
- Testing Range At LAHAB MILITARY SERVICES, our own purpose-built test range can perform a multitude of tests on raw materials, components, protective materials and complete products including most types of ammunition. Delivered by experts following international standards, we can also arrange custom-designed tests to fulfil any special requirements. Tests requiring larger operating areas can be performed using our mobile test range.

SIMULATION LAB

From safety traces analyses and blast overpressure analyses, to internal, external and terminal ballistic analysis, we have the talents and technologies to perform computational simulation, providing analyses for the most diverse range of situations and applications.



BROCHURE

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VIDEO

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TRAINING & SERVICES

SERVICES

LAHAB
MILITARY SERVICES

SERVICE LIFE SURVEILLANCE

At LAHAB MILITARY SERVICES, we have high-level capability in Service Life Surveillance – covering the entire ammunition lifecycle. From ammunition handling, storing and transporting to utilisation, we can help you not only to stay safe and secure, but to extend the serviceable life of your resources and maximise its value over time by testing, evaluating and recommending the optimal course of action. We can also support you in implementing your own SLS protocols so you can make the most informed decisions.

TESTING

As part of our SLS offering, we test and trial ammunition per lot, per location, with comprehensive suite of tests including:

- Visual examination
- X-Ray examination (where relevant)
- Chemical analysis to measure stability and status in the lifecycle
- Dynamic evaluation (where relevant) through static and functional trials.

INSIGHTS

Our SLS insights enable you to determine:

- Ammunition available for operation and deployment
- Ammunition safe for storage and transport
- Ammunition unsafe for storage
- Unserviceable ammunition
- Ammunition requiring refurbishment, demilitarisation or disposal
- Surplus stock planning
- Budgeting

CONSULTING

In addition, we offer SLS consulting services including:

- Ammunition and explosives incidents and enquiries
- Ammunition management documentation

DEMILITARISATION AND DISPOSAL

At the end of the ammunition lifecycle, we are the only local specialist to provide full demilitarisation and disposal services for military product, as well as the disposal of commercial materials including mining explosives and fireworks.

Disassembling products with care and neutralising volatile materials with environmentally-friendly processes to the highest standards, we ensure the safe and correct disposal and/or reworking of expired or unsafe ammunition and components.



TRAINING & SERVICES

SERVICES

REMayA



BROCHURE

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VIDEO

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XRANGE

The REMAYA X-Range testing range brings sophisticated, flexible and comprehensive testing capabilities to the heart of the Middle East, Africa, and Central and South Asia region. Offering state-of-the-art air, ground and maritime testing capabilities, the range enables the most accurate data capture and analysis to assess all types of manned and unmanned platforms and systems, and both conventional and electronic warfare weapons.

THE ISLAND

A short 100km drive from Abu Dhabi city, the X-Range is located on an island approximately 8km offshore. It is 35km by 15km, enabling a land danger area of 350km², inclusive of a 3.8-km-long, 60-metre-wide runway. The air danger area is permanently closed to 10,000ft and can be extended significantly higher. A 50km² sea danger area enables shallow- and deep-water testing, training and rehearsal.

WORLD-CLASS RANGE OPERATIONS

X-Range operates an automated, online booking system for an efficient client interface.

This ensures the most experienced test specialists are engaged early to develop the optimal test strategies. This includes consideration of diverse factors such as location, time of year, test set up, data capture and analysis plan, and both live and after-the-fact test reporting. Safety at X-Range is delivered through global best-practice range control that is supported by passive RF monitoring, an island-wide digital communications network, air and sea tracking, and surveillance radars and RF tracking of all people and assets when the range is operational.



TRAINING & SERVICES

SERVICES

RE MAYA



CAPABILITIES

- Non-lethal UAV Testing
- Vehicle Testing
- UGV Testing
- Environmental Testing
 - Dynamic Testing
 - Climatic Testing
- Rocket Motor Testing
- Static Explosives Testing
- Dynamic Firing Testing
 - Air to Ground
 - Ground to Ground
 - Ground to Air
- Electronic Warfare Testing
- Training Capabilities
 - Force on Force Training
 - Close Quarters Combat Training
 - Building Clearance
 - Beach Landing exercise
 - Etc
- Marine Testing
- DEW Testing

EDGE



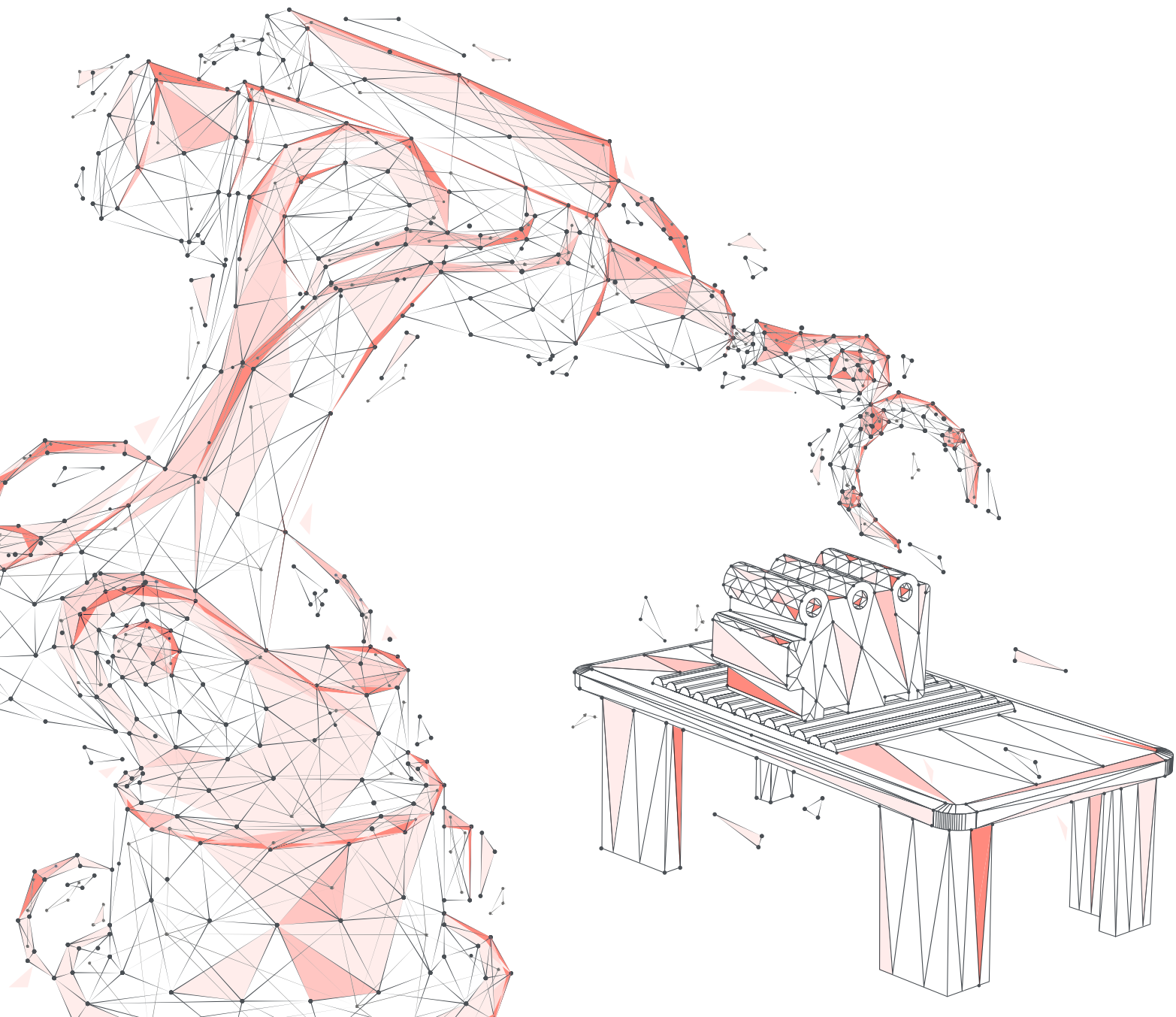
**PRECISION
ENGINEERING**

EPI

HALCON

PRECISION ENGINEERING

Offering dedicated manufacturing services for top-of-the-line complex components through leading precision engineering in the aerospace, defence and commercial industries.





PRECISION ENGINEERING SERVICES

EPI

MANUFACTURING ENGINEERING

We support product development from early-stage capacity studies and prototyping, to final manufacturing and production process design. Making this possible are EPI's highly skilled team of:

- CAD/CAM Designers and Programmers
- Manufacturing and Application Engineers
- Toolmakers



FLYER

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MACHINING

Our machining capabilities are designed to meet key industry requirements, providing turnkey solutions to customers utilising the following equipment:

- 3 Axis Machining Centres (Hard and Soft Metals)
- 5 Axis Machining Centres (Up to 7m) (Hard and Soft Metals)
- Turning (Hard and Soft Metals)
- Turn Mill Centres for Efficiency and Complexity. (Hard and Soft Metals)
- EDM
- Laser, TIG, MIG and Arc Welding
- Rectification process (three-point bending, roll forming, shot peening by ultrasonic and blasting)





PRECISION ENGINEERING SERVICES EPI

SURFACE TREATMENT/SPECIAL PROCESS

Our Nadcap approved special process requirements are carried out in our state-of-the-art automated treatments line, with an overall footprint of approximately 8000 square metres. As well as Nadcap approval, we also carry all the major OEM approvals for Special Process. Our internal capabilities include:

- Chemical cleaning on Aluminium, Titanium
- Anodizing (SAA, HAA, CAA, TSAA, BSAA) and Alodine1200
- Phosphating
- NDT (Penetrant Testing)
- Painting (water and solvent borne) and ink marking
- PVD coating
- Blasting, Vibro polishing, shot peening for surface enhancement (Manual and Automated).
- Paint stripping by media plastic





PRECISION ENGINEERING SERVICES

EPI

STRUCTURAL ASSEMBLY

EPI also provide assembly capability to offer our customers a full Turn-Key solution to their requirements. Our internal capabilities include:

- Bearing installation
- Riveting and Installation of Hardware.
- Shrink Fitting Installation of Bushes.
- Structural Bonding and Wet Assembly,
- Swaging of Bearings and Flareless Tubes



FLYER

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INSPECTION

We make sure that all our products and manufacturing processes are constantly monitored and controlled to meet our internal and customer needs. That's why we focus on training our employees for operator qualifications and reassessment programmes. This helps us promote self-inspection deployments across departments.

Our Statistical Process Control framework goes a step further by helping us improve sampling methods and redefines key characteristics required to ensure alignment with our Quality Policy.

Our inspection process are handled with equipment including:

- Coordinate Measuring Machines (CMM)
- Vernier calliper
- Micrometres
- Digital height-gauge measuring equipment
- Hexagon machine with PCDMIS for offline programming





PRECISION ENGINEERING SERVICES EPI

METALLIC AND CHEMICAL LABORATORY

We are equipped to control the properties of materials, including various aluminium grades, titanium, steel and stainless steel, to meet industry benchmarks. We achieve this through monitoring incoming inspection, detailed inspection during the parts manufacturing stage and review following Surface Treatment processes.

Our test capabilities include:

- Material surface hardness with machines capable of achieving Vickers, Knop, and Rockwell A, B, C methods.
- Case-depth hardness (white layer) and microstructure analysis (including moulding)
- Chemical analysis with spark optical emission spectrometer (OES)
- Electrical conductivity measuring of non-ferrous material (aluminium grade/Eddy
- Currents
- Testing capabilities for chemical analysis
 - Titration
 - pH
 - Hydrogen determination
 - Conductivity
- ICP
- Process surveillance/performance testing
 - Climate chamber
 - Salt-spray chamber
 - Paint adhesion testing

CALIBRATION LAB

We perform in-house calibration for equipment within our scope of processes (excluding master equipment). This may include; covering dimension force, torque and electrical.

Our calibration offering is handled by our dedicated software platform that tracks all related data and notifications. This allows recall of equipment as per the defined verification period, supported by a qualified team



PRECISION ENGINEERING SERVICES HALCON

ADVANCED MANUFACTURING

HALCON's Special Manufacturing Division boasts cutting-edge facilities with 5-7 axis CNC machines, laser cutting and welding, a quality assurance lab and plastic injection moulding.

From nano-sized to half a metre in length, our Special Manufacturing Division can cut, shape and create from all types of metallic parts, including specialised aluminium machining. Adding to these advanced capabilities, fast production is supported through automated in-house robotic solutions



BROCHURE

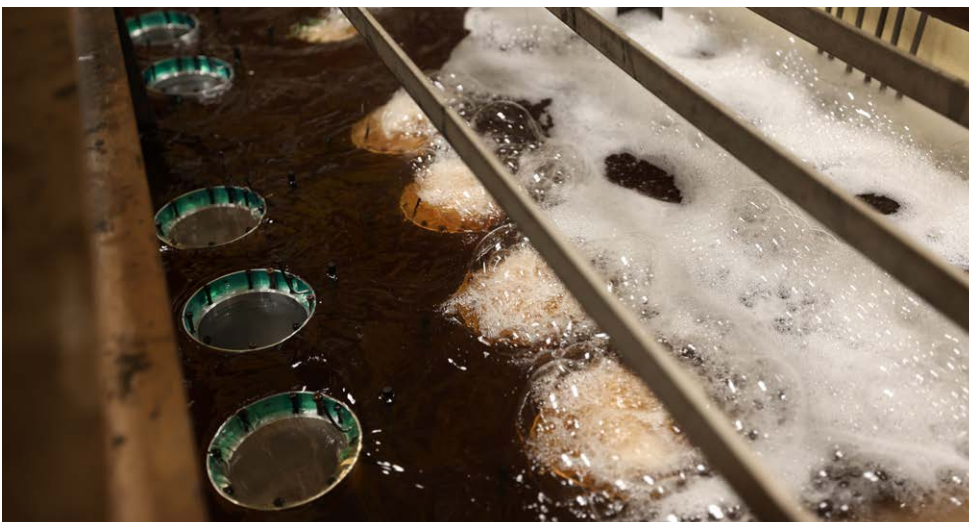
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SURFACE TREATMENT

HALCON's Special Manufacturing Division offer comprehensive turnkey surface coating and painting solutions for small to large components and equipment. With superior technology, including the UAE's only cathodic electrodeposition (CED) coating facility, and years of experience, we are the leading local expert in providing military-grade anti-corrosion protection that helps you assure performance.

Our surface treatment capabilities include:

- Cathodic Electro-Deposition (CED)
- Chromate Conversion (Type II, Class 1A & Class 3)
- Anodizing (Type II & Type III)
- Zinc Plating (Type V & VI)
- Phosphating (Type M & Class 2)
- Passivation (Nitric)
- Quench Polish Quench (Nitriding)
- Testing Lab





PRECISION ENGINEERING SERVICES HALCON

ELECTRICAL MANUFACTURING

HALCON's Special Manufacturing Division turnkey solutions in state-of-the-art printed circuit board (PCB) and cable harness production. The specialised facilities deliver products built to perform in the most demanding operational scenarios.

Our PCB production facility is a 2800 square metre smart factory that is capable of board assembly, system integration, quality assurance testing and mass production of single-sided, double-sided and multi-layered PCB's up to IPC class 3.

Our cable and wiring harness facility produce customised cable and wire harnesses, and provide engineering design services for all types of electromechanical, power supply, industrial or other uses. The harnessing production line serves customers in industries such as telecommunications, oil and gas, healthcare and defence with electronic assemblies that deliver exceptional reliability and durability.



EDGE



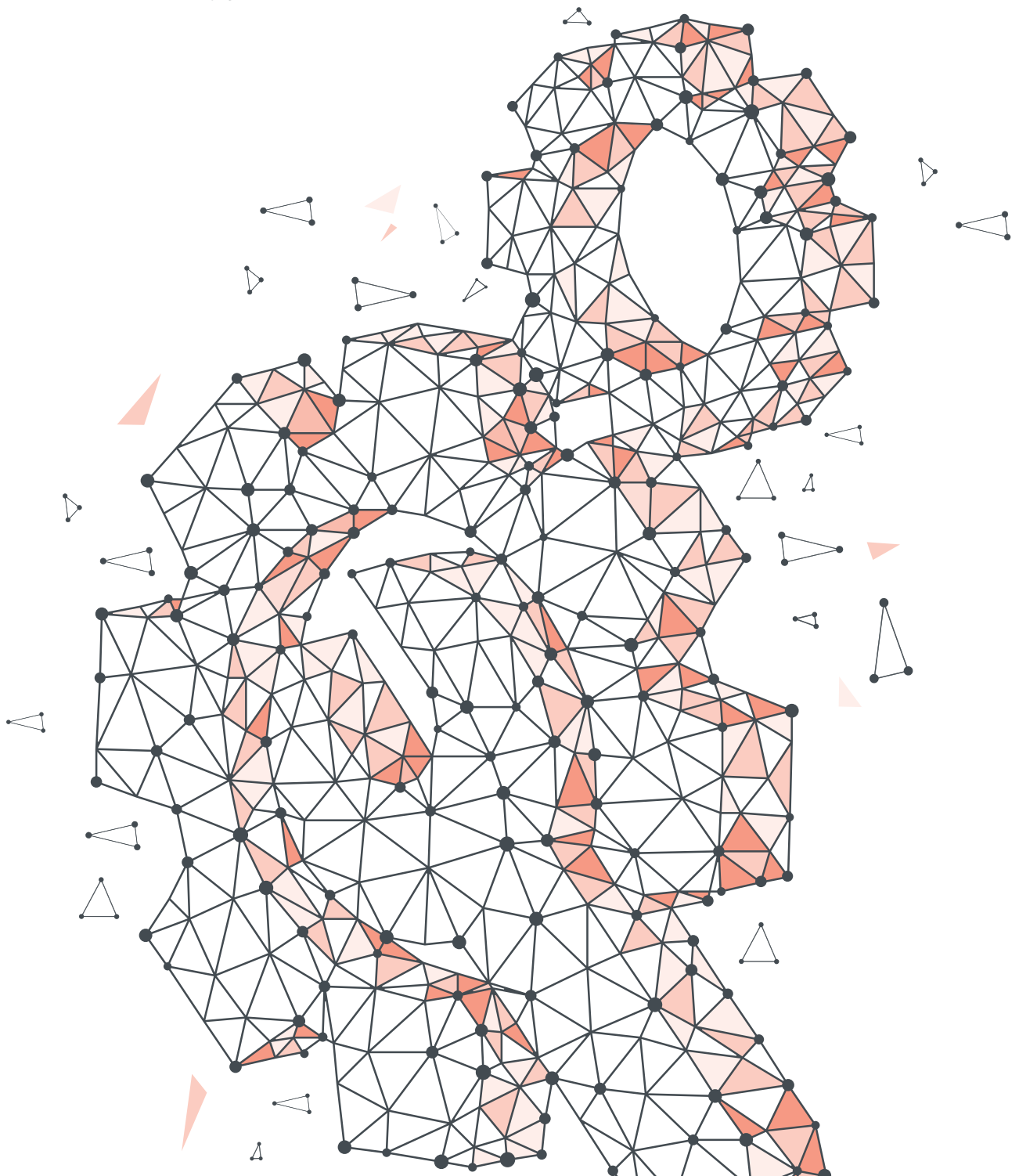
MRO

ADSB
ABU DHABI SHIP BUILDING

AL TAIF

M R O

Providing the maintenance, repair and overhaul services needed to keep land and naval forces ready to conduct military operations at any given time.





MRO | MAINTENANCE REPAIR & OVERHAUL SERVICES

ADSB
ABU DHABI SHIP BUILDING



MAINTENANCE & REPAIR (MILITARY VESSELS)

We offer maintenance and repair services for maritime security naval platforms operating in the region. Our qualified workforce and modern infrastructure and processes enable us to repair and upkeep vessels to stringent military standards and testing requirements. We also provide support services such as midlife, major, and navigational refits, dry-docking, and MTU engine overhauling.



SUSTAINMENT

Today, we enable our leading defence customers to focus on their core naval operations by trusting their maintenance functions to us. Our In-Service support teams provide basic maintenance as vessels remain in service, while our Integrated Maintenance Support provides in-service maintenance, complemented by the guaranteed availability of long lead-time spare parts and equipment. This ensures enhanced vessel availability and shorter out-of-service maintenance.



MRO | COMMERCIAL SHIP BUILDING SERVICES

AOSB
ABU DHABI SHIP BUILDING



MECHANICAL SERVICES

Our mechanical shop is equipped with sophisticated machine tools, cranes and an environment controlled workspace. Our highly-skilled machinists, millwrights and mechanical fitters offer specialist repair, refurbishment and maintenance, ensuring rapid turnaround, quality and efficiency.

We can repair and overhaul main and auxiliary engines, bow thrusters, propulsion systems, rudders, hydraulic machinery, valves, pumps, coolers and heaters and more.



PIPING WORKSHOP

Our piping workshop offers services such as profile cutting, pipe bending and fitting, and welding procedures. It houses the latest automated equipment for indoor prefabrication before transferring to vessels for installation. Other equipment includes:

- Overhead cranes
- Pedestal grinding machines
- Hydraulic pipe bending facilities
- Pallet lifters
- Drilling machines
- Speed cutter
- Blasting machines
- Thread cutting equipment



MRO | COMMERCIAL SHIP BUILDING SERVICES

ADSB
ABU DHABI SHIP BUILDING



ELECTRICAL SERVICES

High-quality workmanship at ADSB's electrical workshop provides comprehensive services, including:

- Troubleshooting and repair of motors and generators
- Power systems (AC & DC)
- Lighting systems
- Switchboards
- Control systems and panels

The calibration laboratory at the workshop can repair various types of metres including multi-metres, clamp metres, panel metres, isolation metres, and pyrometers.

We also work in close collaboration with specialist suppliers to enable the refurbishment of accommodation units.



OUTFITTING

From minor refurbishments to major refits, our carpentry, sheet metal and insulation shops are fully equipped to manage high quality maritime outfitting.

We also work in close collaboration with specialist suppliers to enable the refurbishment of accommodation units.



MRO | COMMERCIAL SHIP BUILDING SERVICES

AOSB
ABU DHABI SHIP BUILDING



BLASTING, PAINTING AND HULL TREATMENT

We undertake a range of bespoke hull treatments, as well as extensive tank coating, and surface preparation and painting of underwater surfaces, main decks, engine rooms, funnels, masts, chain lockers, anchors and chains.

Our Mina Zayed facility carries out hull treatments with environmentally-friendly hydro-blasting robots. Our Mussafah yard also offers hull treatments with grit blasting systems.



MAINTENANCE AND REPAIRS (COMMERCIAL VESSELS)

Working with strategic maritime partners for two decades, we have developed world-class expertise in commercial ship repairs and services. From vessel conversions to dry-docking maintenance services, we have completed complex projects on diverse commercial ships, including offshore supply vessels, diving support vessels, and superyachts.

With more than 900 employees and a 330,000m² drydock, our main yard in Mussafah features state-of-the-art mechanical, welding, electric, composite, and fabrication workshops. The synchro lift at the yard can accommodate vessels up to 80m x 20m and 2,000 tonnes.



MRO | COMMERCIAL SHIP BUILDING SERVICES

ADSB
ABU DHABI SHIP BUILDING



YARD SERVICES

We offer comprehensive yard services, backed by expert riggers, divers, and yard-cleaning personnel. Our services include docking and undocking of vessels, yard-cleaning, and disposal of garbage. We also maintain ready-to-use mobile equipment such as forklifts, shuttle lifts, and mobile cranes.



OFFSHORE RIG FABRICATION

With extensive in-house expertise and a network of industry alliances with API and ASME-certified partners, we deliver maintenance and refurbishment of rigs and platforms. We also undertake top-side fabrication for the offshore oil & gas sector and provide steel fabrications support to offshore EPCI and



MRO | CONVERSION
SERVICES

ADSB
ABU DHABI SHIP BUILDING



SHIPS

Leveraging our ship building and ship repair expertise, ADSB offers design, engineering, manufacturing and implementation of all types of ship conversion projects. Our teams carry out projects of all sizes and types for military and commercial customers at our Class LR- and Class BV-certified facilities and state-of-the-art drydock.

From modifications, refits and upgrades to meet new mission, compliance or technology requirements, to complete structural redesign and transformations, our customers benefit from exceptional quality and craftsmanship, timely delivery, and cost-effective pricing



WAREHOUSING SERVICES

ADSB
ABU DHABI SHIP BUILDING



WAREHOUSING FACILITIES

Our warehouses and storage areas are strategically located to ensure prompt implementation of projects. These units are controlled through a highly organised stock control system. Four large air-conditioned warehouses, six open spaces, and satellite stores facilitate storage and distribution at project sites. A shipyard warehouse allows storage of all critical project-specific items and stock items needed in day-to-day operations.



MISSION SYSTEMS

S E R V I C E S

ADSB
ABU DHABI SHIP BUILDING



MISSION SYSTEMS INTEGRATION

ADSB is proud to provide an extensive portfolio of mission systems solutions that cater to the diverse needs of both military and commercial vessels. Our commitment to excellence extends across various facets of our offerings:

- Installation and Commissioning
- Diverse OEM Systems
- Innovation and Adaptability
- Customized Solutions



PRODUCTION | COMMERCIAL SHIP BUILDING SERVICES

ADSB
ABU DHABI SHIP BUILDING



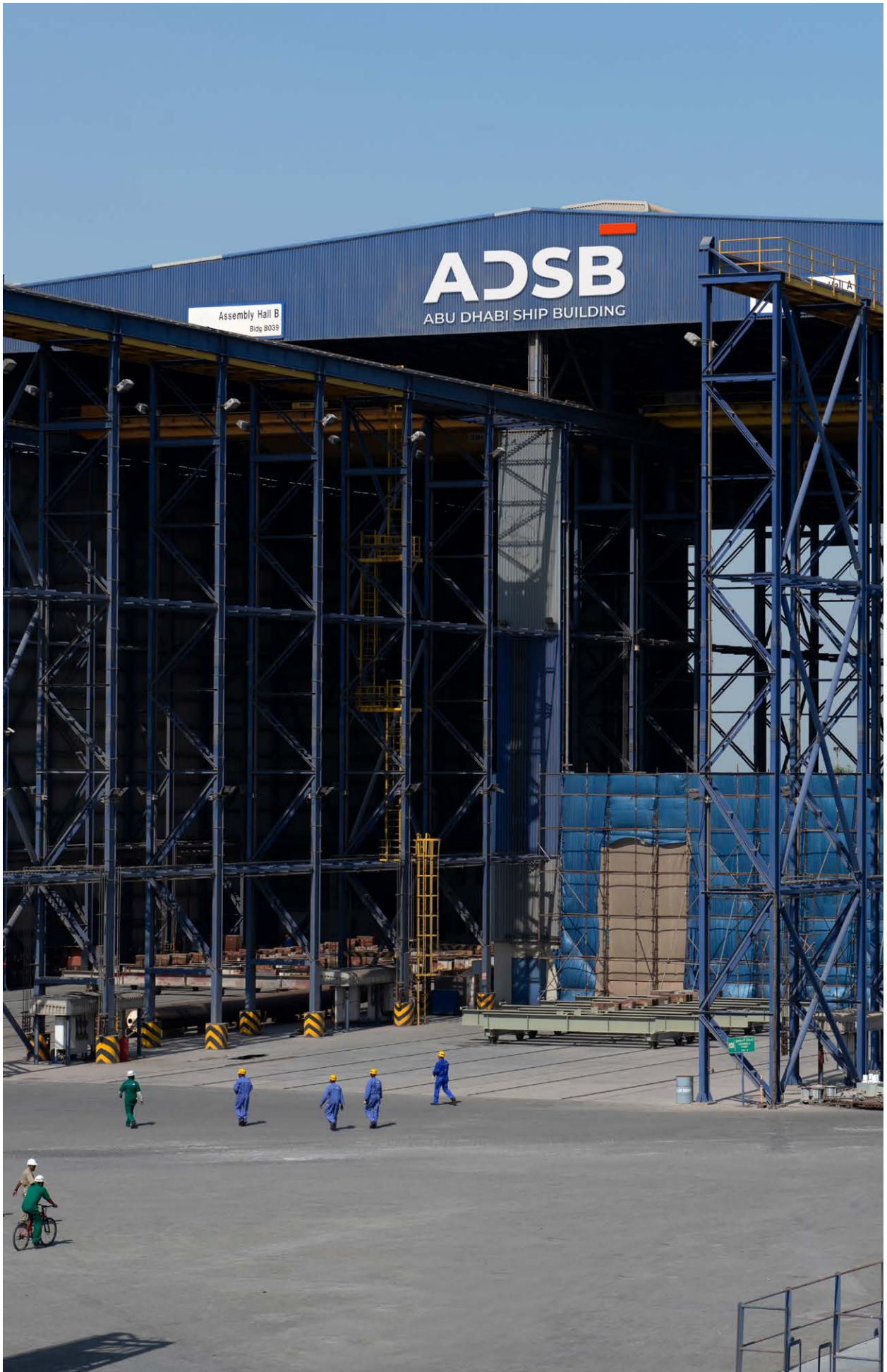
FABRICATION FACILITIES

At ADSB, our dedicated steel and aluminium fabrication shops are fitted with advanced machinery and technologies, and supported by a highly skilled team. Working in close partnership with our clients, we can undertake everything from major repairs to the construction of modular units with advanced outfitting and the latest 3D modelling.



SMALL BOAT CONSTRUCTION (SBC)

Our Small Boat Construction division manufactures landing crafts, high-speed interceptors, and immediate support vessels for customers from the GCC and beyond. This division also operates a state-of-the-art composite boat-building facility. Spread across 9,000m², it can construct and repair composite vessels up to 30 metres in length.





MRO | LAND VEHICLES
SERVICES

AL TAIF



FLYER

CLICK TO VIEW



VIDEO

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MRO SERVICES

Our comprehensive MRO services are part of our integrated lifecycle support to military fleets. Our MRO processes are controlled by an ISO 9001-certified quality management system that covers a wide range of military vehicles, components and small arms. We provide complex, extensive and premium-quality maintenance services, delivered against rigorous timelines in order to maximise vehicle and other asset availability, while ensuring business efficiency and continuity.

SERVICES INCLUDE

- Vehicles rebuild
- Vehicles and component electronics and electrical repair
- Component rebuild (engine transmission, differentials)
- Vehicles and component upgrade
- Component refurbishment
- Vehicles interior and exterior body work painting and welding

OUR CAPABILITIES

- Tracked/heavy vehicles
- Wheeled/light vehicles
- Heavy/light equipment
- Small arms
- Components
- Electronics workshop



MRO | LAND VEHICLES

SERVICES

AL TAIF



SUPPLY CHAIN MANAGEMENT

Our supply chain management team supports our customer with a range of services, warehousing and inventory management. We deliver a value-added procurement service that maximises performance and availability by handling the receipt, storage, issuing, and delivery of parts. We leverage big data and analytics to develop the most effective maintenance forecasts and planning schedules.

OUR CAPABILITIES

- Receipt, Storage and issuance of spares and repairable
- Order Fulfilment and distribution
- Inventory Control
- Demand analysis and reporting
- Preservation and packaging
- Cataloguing



MRO | LAND VEHICLES

SERVICES

AL TAIF



TECHNICAL TRAINING

We train all operators on both legacy and new technology systems, so they can fully benefit from our maintenance and other services. To achieve this, we provide customers with highly skilled and experienced technical training staff, flexible training delivery methods, on-site training material publications, and specialised training facilities.

OUR CAPABILITIES

- Specialised Curriculum Built through Training Needs Analysis (TNA)
- Systems Approach to Training (SAT)
- Mechanical, Electrical-Electronics, and Allied Trade Training
- Virtual Reality and Augmented Reality Training
- Transfer of Technical Skills to Client Personnel
- Instructor Certification Courses



MRO | LAND VEHICLES

SERVICES

AL TAIF



ENGINEERING SOLUTIONS

We provide engineering solutions, upgrades, modernisation, and technology integration across a wide range of defence platforms and systems. We create innovative solutions that strengthen customer capabilities and manufacture spare parts and components.

OUR CAPABILITIES

MATERIALS TESTING LABORATORY: Operated according to global best practice, our Materials Testing Laboratory provides critical assessment of parts and components in areas such as material characteristics, properties, structures and composition against specified criteria and intended application. Services include

- Failure Analysis
- Materials Testing
- Modelling & Simulation
- Vehicle Improvement and Development
- Reverse Engineering and Manufacture
- New Technology Application Studies
- System Integration and Design
- System Integration & Design

FABRICATION WORKSHOP: Our capabilities include fabricating customised products and parts using materials such as mild steel, aluminium, stainless steel, and brass. The fabrication workshop has five main areas:

- Machining
- Sheet metal work
- Welding
- Car modification
- Foundry



MRO | LAND VEHICLES

SERVICES

AL TAIF



CALIBRATION

An ISO/IEC 17025 Accredited Calibration Laboratory (Accreditation No.: 034-LB-CAL)

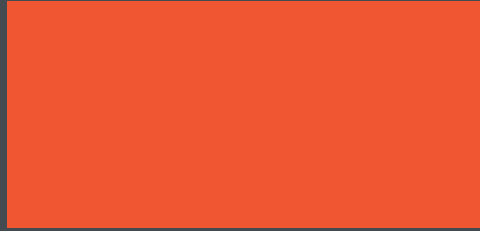
Faster calibration 'turn-around-time' compared to commercial laboratories

Recall Notice Management System

OTHER CAPABILITIES & SERVICES INCLUDE:

- Electrical DC/Low capability
- Pressure Gauge
- Infrared Temperature
- Length
- Balance





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