

**EDGE**

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

**EDGE PRODUCT LIST**





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# WE ARE EDGE



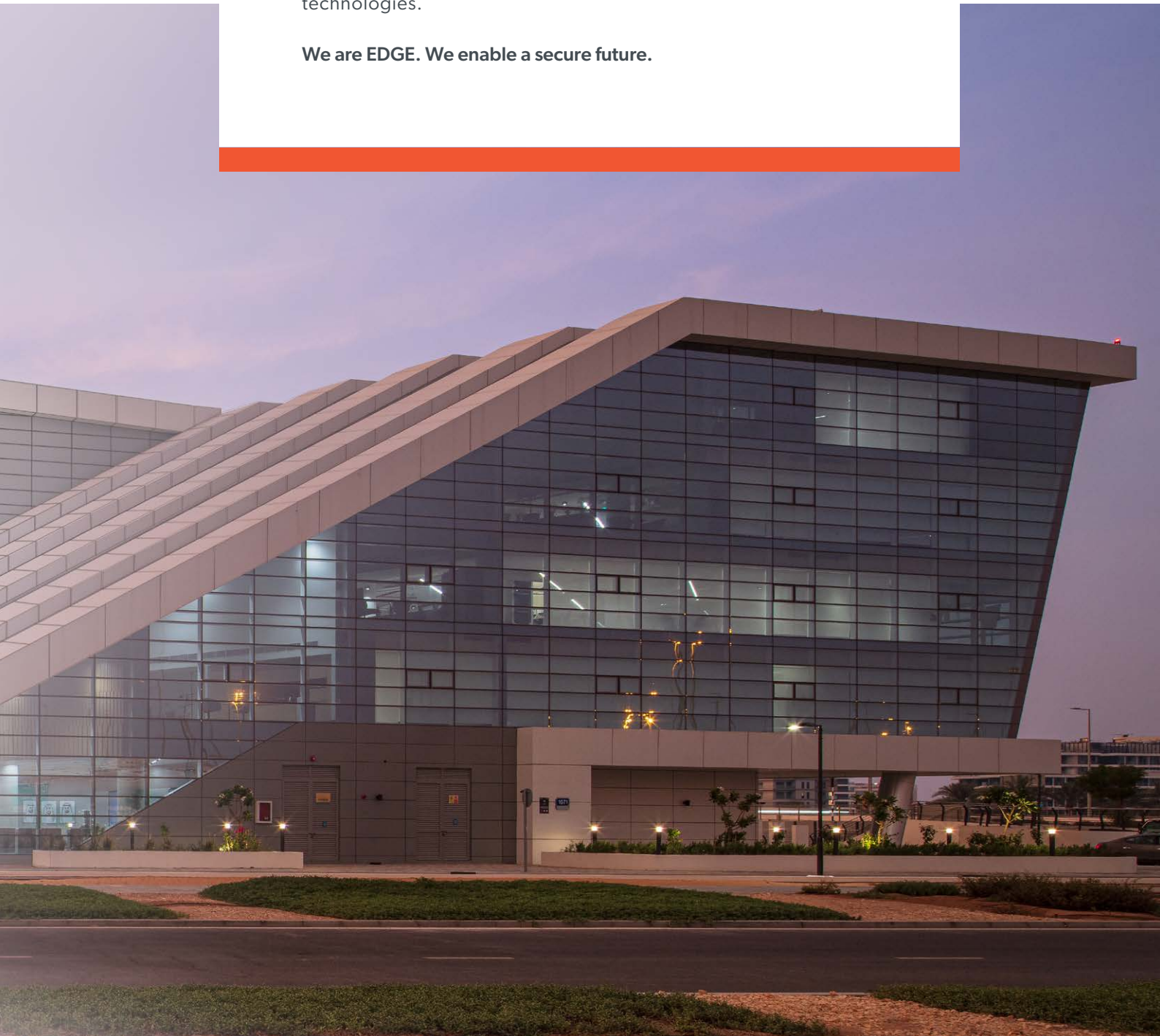
# ADVANCED TECHNOLOGY FOR DEFENCE & BEYOND

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.

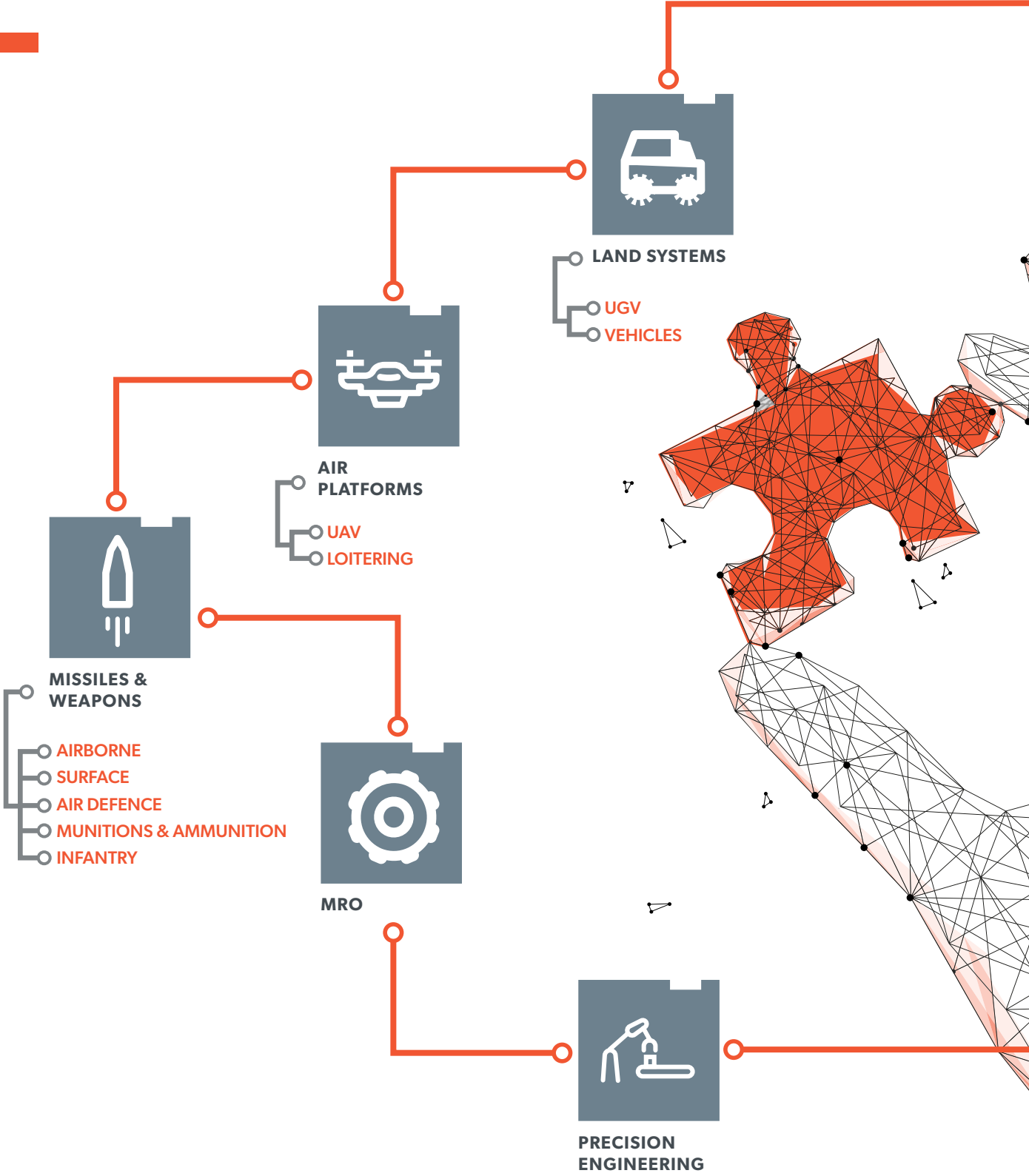
Transforming how we live, and ensuring a more secure future, is what we do. We are EDGE; and our mission is simple: to bring innovative technologies and services to market with greater speed and efficiency.

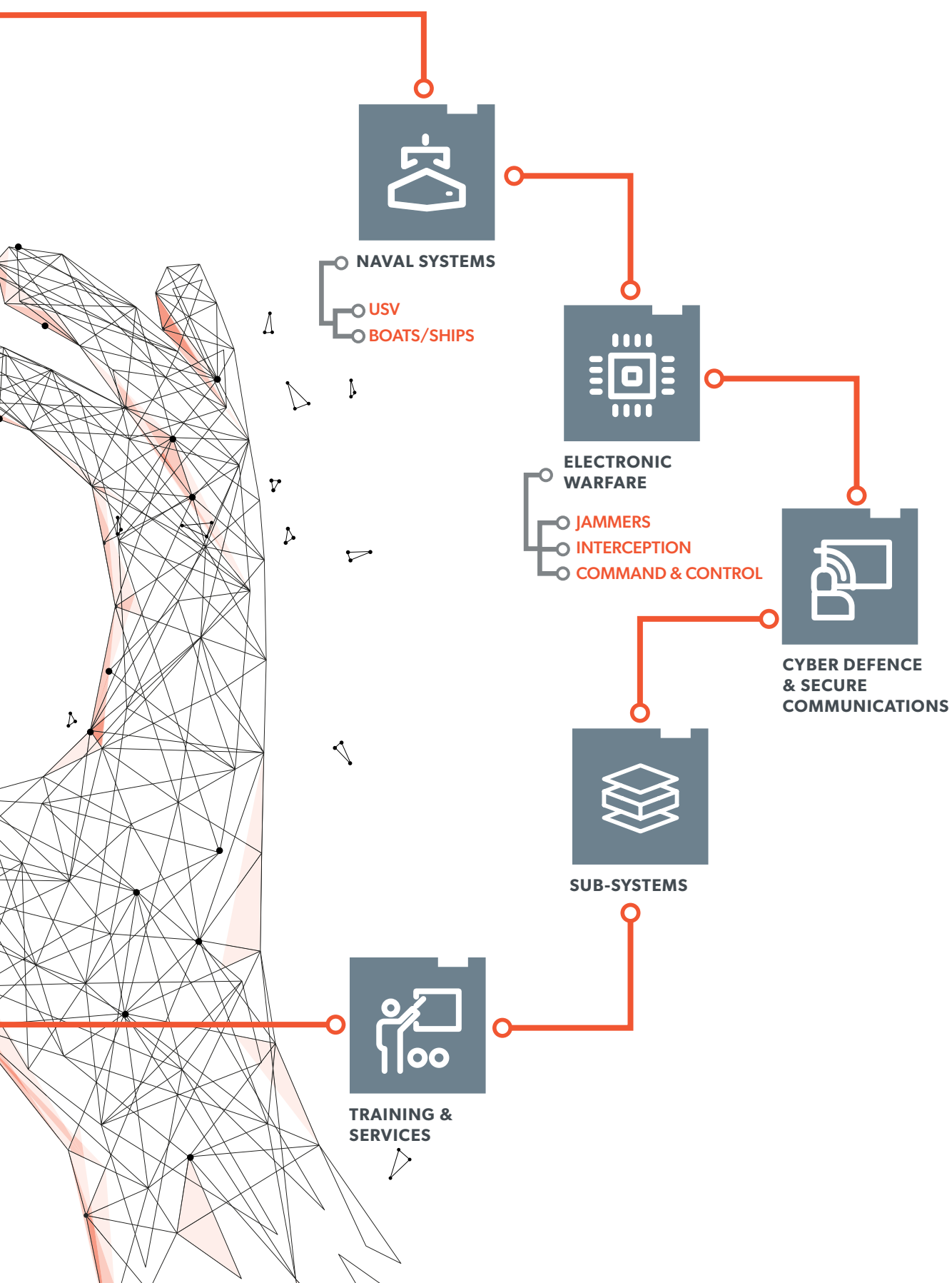
We are driving the development of sovereign capabilities for global export and for the preservation of national security, working with front-line operators, international partners, and adopting advanced technologies.

**We are EDGE. We enable a secure future.**

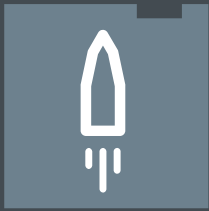


# OUR SOLUTIONS





**EDGE**



# MISSILES & WEAPONS

**ADASI**

**AL TARIQ**

**ADVANCED  
CONCEPTS**

**CARACAL**

**CONDOR**

**HALCON**

**LAHAB**  
LIGHT AMMUNITION

**LAHAB**  
DEFENCE SYSTEMS

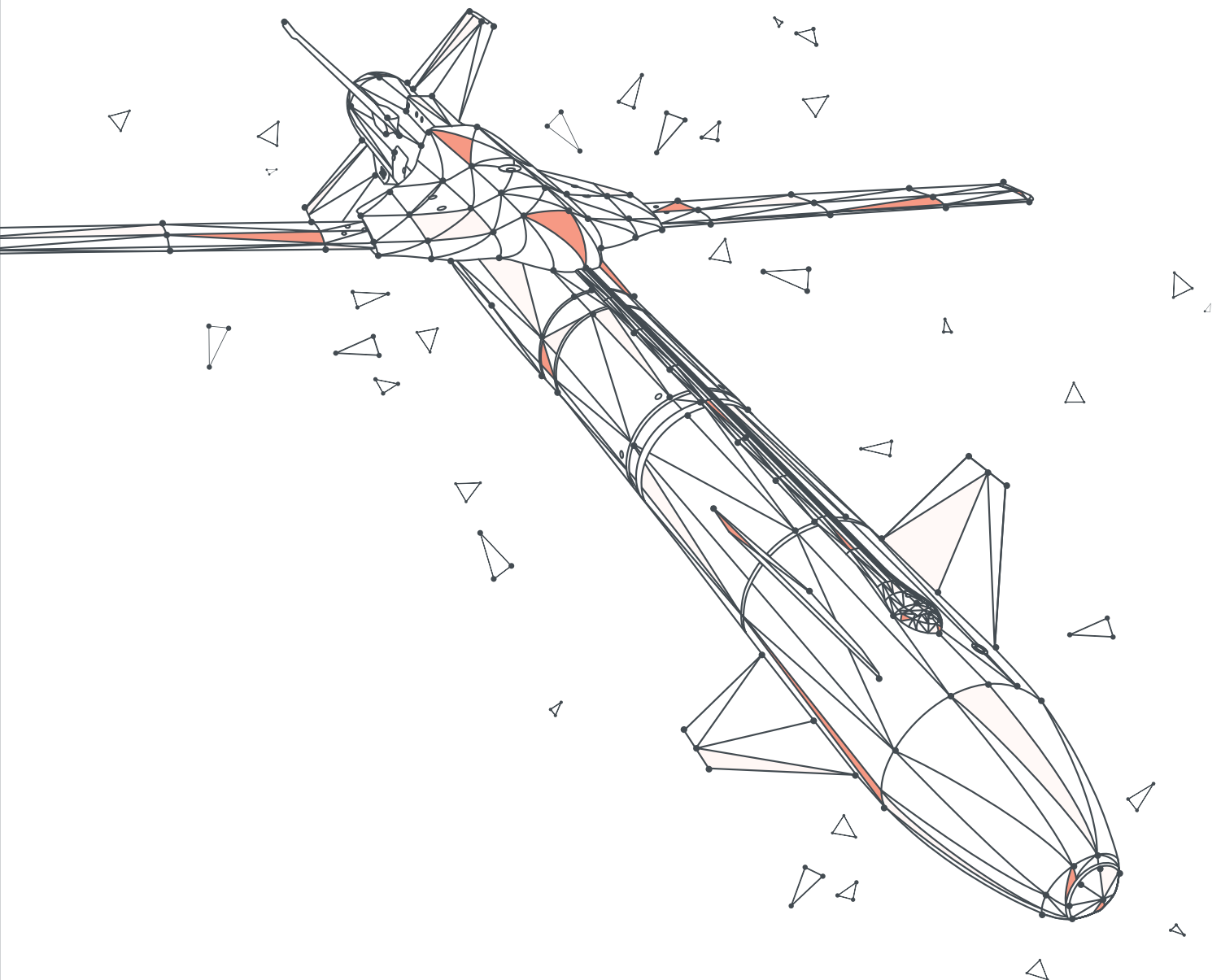
**SIATT**

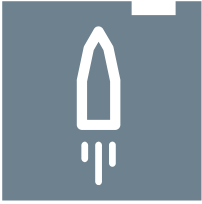


# MISSILES & WEAPONS

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

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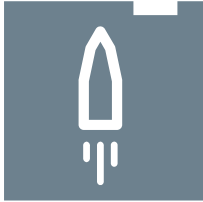


VIDEO

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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 rang 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**

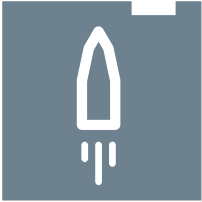


### AL TARIQ S – STANDARD RANGE

**Stand-off range:** up to 45km

**Warhead:** Mk81, Mk82, and Mk83

**Guidance:** GNSS/INS with IIR or SAL.



## MISSILES & WEAPONS | AIRBORNE PRODUCTS

# HALCON



FLYER

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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

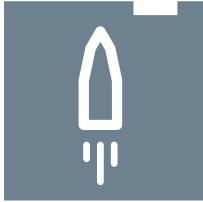
**Accuracy:** 3m CEP GAINS + SAL seeker/10m CEP GAINS only

**Range:** >20km @ 30,000 feet



VIDEO

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## MISSILES & WEAPONS | AIRBORNE PRODUCTS

# HALCON



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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)

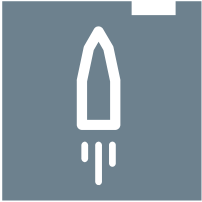
Desert Sting utilises inertial guidance augmented by global navigation satellite system (GNSS) information (GAINS). A semi-active laser (SAL) seeker configuration further improves accuracy performance against designated targets.

**Gross weight:** 23kg

**Warhead:** 12kg

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

**Max range:** 15km



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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:** 24kg

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

**Max range:** 24km



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FLYER

## DESERT STING DS-16 DUAL RACK

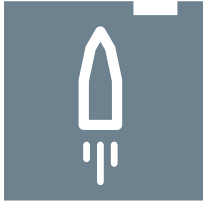
The Dual Rack (2 weapons) caters for both piloted and remotely piloted platforms.

**Length:** 1,150mm

**Width:** 440mm

**Height:** 200mm

**Mass:** 28kg



FLYER

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## DESERT STING DS-16 QUAD RACK

The Quad Rack (4 weapons) caters for various platforms.

**Length:** 1,880mm

**Width:** 435mm

**Height:** 200mm

**Mass:** 45kg



FLYER

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## DESERT STING DS-25 DUAL RACK

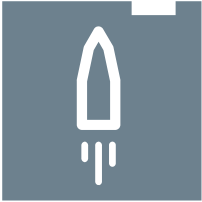
The Dual Rack (2 weapons) caters for both piloted and remotely piloted platforms.

**Length:** 1,680mm

**Width:** 485mm

**Height:** 270mm

**Mass:** 36kg



# MISSILES & WEAPONS | AIR DEFENCE PRODUCTS

## HALCON



### 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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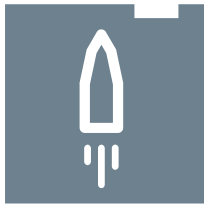
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# MISSILES & WEAPONS | AIRBORNE PRODUCTS

## 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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## 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

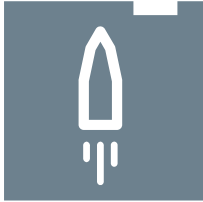
**Current targeting:** Payload or fixed coordinates

**Max dive angle:** 30-60 degrees



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## MISSILES & WEAPONS | AIRBORNE PRODUCTS

# HALCON



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### SABER

SABER is a strategic, high precision air-to-ground cruise missile system providing deep strike mission capabilities of heavily defended high value targets.

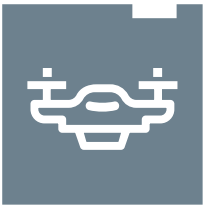
**Weight:** 1,000kg

**Payload:** 350kg

**Max altitude:** 20,000 feet

**Cruising speed:** 0.8mach

**Max range:** 290km



# MISSILES & WEAPONS | SURFACE

## PRODUCTS

# SIATT



FLYER

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## MANSUP-ER

**Range:** 200kms

**Speed:** 954km/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

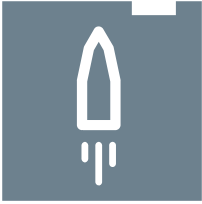
**Speed:** 700 km/h

**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



FLYER

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### CARACAL F GEN II

The CARACAL F Gen II semi-automatic pistol reflects exceptional firearm innovation. Its integrated solid slide, refined trigger, and MIL-SPEC picatinny rail provide complete operator confidence.

**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



VIDEO

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# CARACAL



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## CMP9 SMG

The CMP9 is a modern and modular submachine gun chambered in 9x19mm, serving diverse missions with barrel options of 5.5" or 9". An ideal choice for law enforcement and special forces, the firearm is designed for compact close-range operations and excels in urban combat and precision engagements. Its discreet CMP9 Short variant supports concealed carry, ensuring constant preparedness.

**Calibre:** 9 x 19mm

**Operating principle:** Advanced blowback system

**Modes of fire:** Safe -semi-automatic - fully automatic

**Trigger type:** 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



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## CAR 816

The CAR 816 is a tactical rifle, chambered in 5.56x45mm NATO, with barrel lengths ranging from 7.5" to 16", and features adaptable rails. This modular weapon functions in diverse scenarios, from close-quarters combat to dynamic.

**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



VIDEO

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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

Tailored for designated marksman roles in an infantry squad, the CAR 817 DMR exemplifies the modern high-precision rifle, bridging the engagement range between a service rifle and a dedicated sniper platform. Chambered in the 7.62x51mm NATO and .308 WIN calibres, and barrel length of either 16" or 18", this rifle is flexible enough for SWAT teams, squad-level military deployments, and marksmen.

**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:** 10/20 rounds

**Buttstock:** Precision sniper buttstock

**Barrel length:** 18"

**Weight w/o magazine:** 4.96Kg



VIDEO

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## MISSILES & WEAPONS | INFANTRY PRODUCTS

# CARACAL



### 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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VIDEO



### CSR 338

The CSR 338, chambered in the .338 Lapua Magnum calibre, offers unerring accuracy over extended distances. Equipped with a 10-round magazine, and ambidextrous magazine release and safety mechanisms, the CSR 338 embodies versatility.

**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



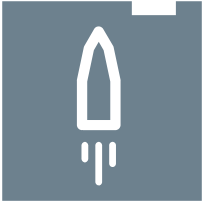
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## MISSILES & WEAPONS | INFANTRY PRODUCTS

# CARACAL



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### CSA 338

The CSA 338 sniper rifle, chambered in .338 Lapua Magnum, delivers excellent accuracy over extensive distances. Meticulously engineered, it meets the exacting demands of Special Forces in even the most rugged terrains. The CSA 338 incorporates comprehensive ambidextrous controls, extended safety and bolt catch levers, a two-position push-through gas regulator, and a titanium firing pin bolstered with state-of-the-art safety enhancements.

**Calibre:** .338 Lapua Mag.

**Operating principle:** Short stroke piston system

**Modes of fire:** Safe, fire and 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 CSR 50 long-range anti-materiel sniper rifle draws inspiration from the mission-proven family of CARACAL sniper rifles, inheriting their ruggedness, reliability and ease of maintenance.

**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



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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

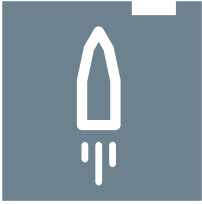
**Rate of fire:** 700-950 rpm

**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

**LAHAB**  
LIGHT AMMUNITION  
للذخائر الخفيفة



BROCHURE

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VIDEO

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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

**LAHAB**  
LIGHT AMMUNITION  
للذخائر الخفيفة



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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)

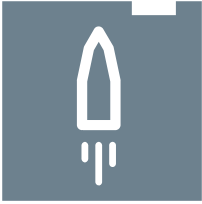
- .223 Remington (69 Grains HPBT) suitable for use in sniper rifles, as well as conventional weapons.
- Complies with CIP and SAAMI Standards.

### .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

**LAHAB**  
LIGHT AMMUNITION  
للذخائر الخفيفة



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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.



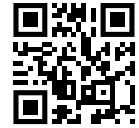
## MISSILES & WEAPONS | AMMUNITION PRODUCTS - SMALL CALIBRE

**LAHAB**  
LIGHT AMMUNITION  
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### **.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)**

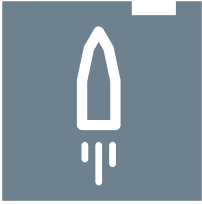
- 12.7 x 99mm AP (Armour-Piercing) cartridge equivalent to M2.
- Complies with NATO and MIL-STD Standards.
- May also be offered linked with any other trajectory-matched cartridges, such as Tracer, in different configurations.

### **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

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DEFENCE SYSTEMS  
لأنظمة الدفاعية



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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

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### 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**

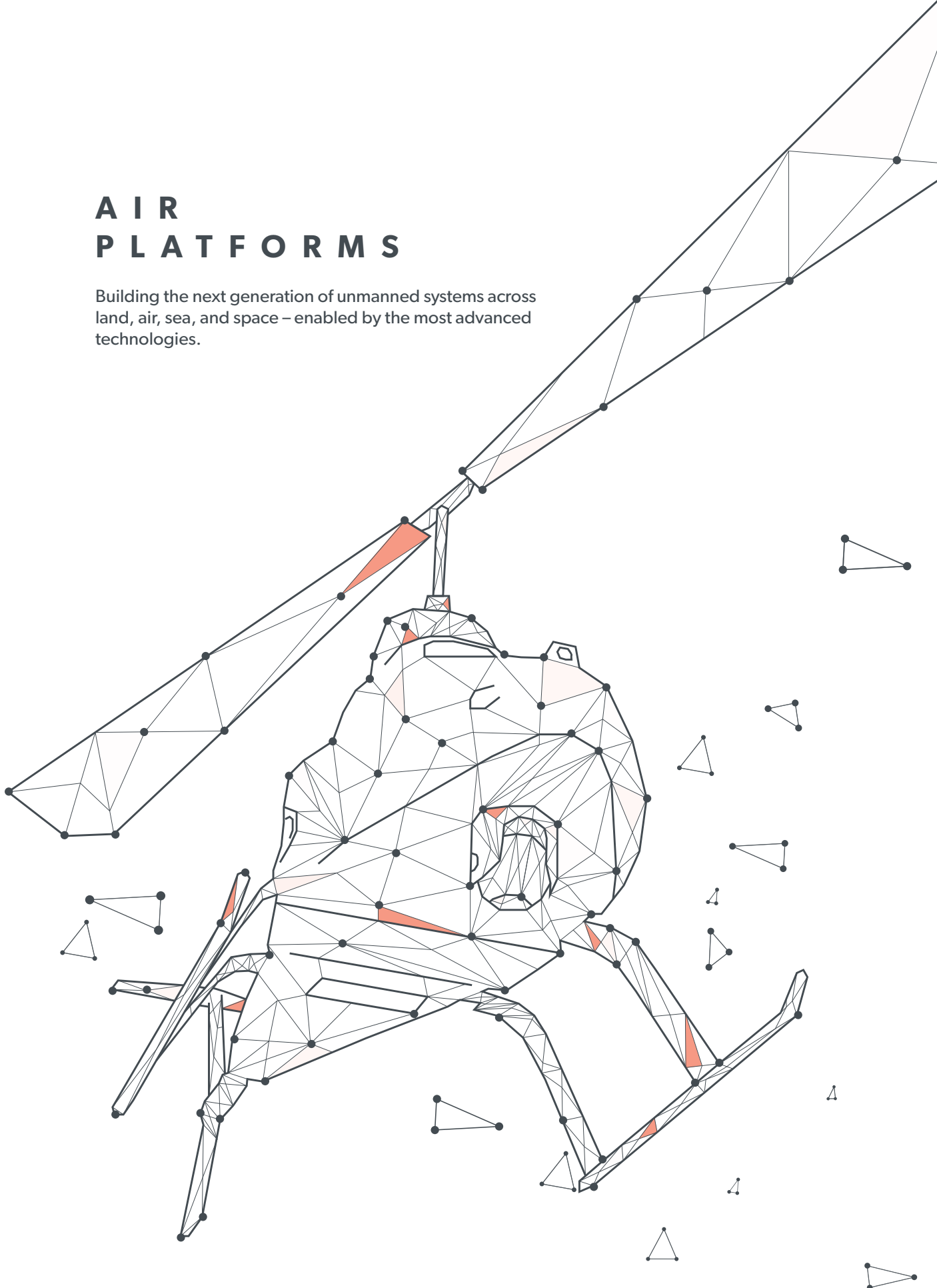
**ANAVIA**

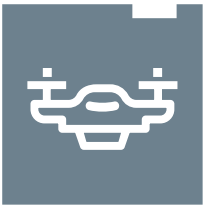
**FLARIS**

**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

The QX-4 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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**AIR PLATFORMS | ISR**  
**PRODUCTS**  
**ADASI**



## QX-5

The QX-5 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:** 15,000ft

**D/L Range:** 150km

**Endurance:** +16 hours (with 10kg payload)

**Maximum take-off weight:** 140kg

**Payload mass:** Up to 25kg (excluding fuel)

**Launch Type:** VTOL

**Engine Type:** VTOL: Electric

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



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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

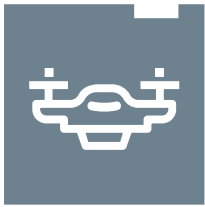
**Payload and fuel:** 65kg

**Max. speed:** 120km/h

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

**Communication range:** 200km





AIR PLATFORMS | UCAV

PRODUCTS

ADASI



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## JENIAH

The ADASI JENIAH Collaborative Combat Aerial Vehicle is a high-speed, low-observable, unmanned combat aerial vehicle system capable of delivering various munition payloads. Designed to meet diverse mission requirements, the JENIAH system is a powerful asset for both land and sea operations and creates new opportunities to deliver payloads up to 480kg to strategic targets.

**MTOW:** 4,000kg

**Wingspan/length:** 6.5m/10.5m

**Payload:** 480kg

**Cruise speed:** 785km

**Maximum speed:** 1,050km/h



AIR PLATFORMS | UCAV

PRODUCTS

ACASI



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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

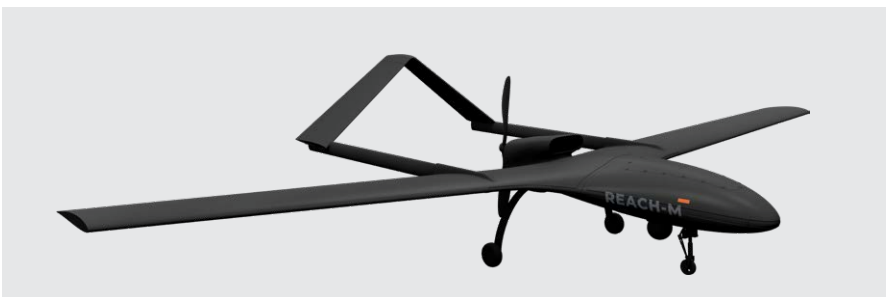
**Endurance:** 24hrs

**Communication:** 200 Km LOS, Optional SATCOM



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## REACH - M

**MTOW:** 1500kg

**Max payload:** 350kg

**Ceiling:** up to 8000m

**Cruising speed:** 175km/h

**Wing span:** 17m

**Endurance:** 24hrs

**Communication:** 200km LOS and SATCOM



AIR PLATFORMS | UCAV

PRODUCTS

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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.

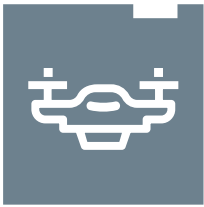
**MTOW:** 2,200kg

**Payload:** 450kg

**Cruise altitude:** 30,000ft

**Cruise speed:** 545km/h

**Communication system:** Satellite communication



## AIR PLATFORMS | LOITERING

### PRODUCTS

# ACASI



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## SHADOW 25

The shadow 25 loitering unmanned aerial vehicle (UAV) system provides defence forces with a jet-powered, rapid-strike loitering 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**  
**ADASI**



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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:** 4,000ft

**Cruising altitude:** 1,000ft

**Range:** 10km

**Endurance:** 20 min

**MTOW:** 3kg

**Payload mass:** 0.5kg

**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 loitering configuration with an embedded warhead at a stand-off range of 20 km for flexible mission scenarios.

**Ceiling altitude:** 4,000ft

**Cruising altitude:** 1,000ft

**Range:** 20km

**Endurance:** 30 min

**MTOW:** 8kg

**Payload mass:** 2.5kg

**Engine type:** Electric



AIR PLATFORMS | LOITERING

PRODUCTS

ADASI



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## 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:** 2,000ft

**Cruising altitude:** 1,000ft

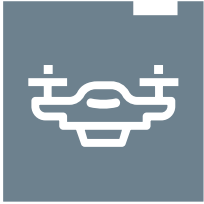
**Range:** 40km

**Endurance:** 40 min

**MTOW:** 20kg

**Payload mass:** 6kg

**Engine type:** Electric



## AIR PLATFORMS | LOITERING PRODUCTS ADASI



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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.

**Wing Span:** 1.3m

**Length:** 0.9m

**Take-Off Weight:** 4.5kg

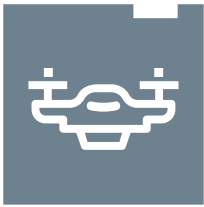
**Payload:** 1.8kg

**Cruising Speed:** 74km/h

**Engine:** Electric

**Communication Range:** 5km MITL

**Max. Altitude:** 800m



## AIR PLATFORMS | LOITERING PRODUCTS ADASI



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### HUNTER 2-S

The HUNTER 2-S is a fixed-wing, tube launched loitering munition, providing aerial strike capabilities at up to 50km from the launch point. The HUNTER 2-S autonomously flies to an intended target area and loiters while searching for targets. Once a target is identified, a remote pilot designates the target and activates engagement via man-in-the-loop control.

**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

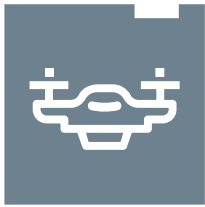
**Engine:** Electric

**Communication Range:** up to 50 km

**Wingspan:** up to 2.2 m

**Length:** up to 1.5 m





AIR PLATFORMS | LOITERING

PRODUCTS

ADASI



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## HUNTER 5

The HUNTER 5 is a container- launched, fixed-wing, tube launched loitering munitions that provide aerial strike capabilities on a designated target up to 100km from the launch point. The loitering munitions fly autonomously to an intended target area and loiter while searching for targets. Once a target is identified, a remote pilot designates the target and activates engagement via man-in-the loop control.

**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

**Max. Launcher Mass:** Maximum of 5 tons

**Wingspan:** up to 3.6 m

**Length:** up to 2.85 m



## AIR PLATFORMS | LOITERING PRODUCTS ADASI



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### HUNTER 10

The HUNTER 10 is a container- launched, fixed-wing, tube launched loitering munitions that provide aerial strike capabilities on a designated target up to 100km from the launch point. The loitering munitions fly autonomously to an intended target area and loiter while searching for targets. Once a target is identified, a remote pilot designates the target and activates engagement via man-in-the loop control.

**MTOW:** up to 50kg

**Payload:** 10kg

**Total Available Flight time:** 150 minutes

**Cruise Indicated Airspeed:** 33m/s

**Operational Altitude:** 500 - 1000m

**Engine:** Gasoline

**Max. Launcher Mass:** Maximum of 5 tons

**Wingspan:** up to 3.6m

**Length:** up to 2.85m



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## AIR PLATFORMS | LOITERING PRODUCTS EDGE



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### HUNTER N

The HUNTER-N is a fixed wing, tube launched loitering munition designed for tactical naval operations. Launched from a portable container, the HUNTER-N offers rapid strike capabilities against naval targets up to 30km from the launch point. The loitering munitions fly autonomously to an intended target area and loiters while searching for targets. Once a target is identified, a remote pilot designates the target and activates engagement via man-in-the-loop control.

**MTOW:** Up to 4.5kg

**Payload:** 500g

**Total Flight time:** 12 minutes

**Cruising Airspeed:** 39m/s

**Operational Altitude:** 500m

**Engine:** Electric

**Launcher Mass:** 4.5kg

**Wingspan:** Up to 1.2m

**Length:** Up to 0.8m



## AIR PLATFORMS | LOITERING PRODUCTS EDGE



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### HUNTER 2-SJ

The HUNTER 2-SJ is a air-launched, fixed-wing, tube launched loitering munition designed to detect and destroy electronic warfare systems. The HUNTER 2-SJ flies autonomously to an intended target area to loiter and search for jammers. Once a target is identified, a remote pilot designates the target and activates engagement via man-in-the-loop control.

**MTOW:** Up to 13kg

**Payload:** Up to 2kg

**Total Flight time:** 45 minutes

**Cruising Airspeed:** 25m/s

**Operational Altitude:** 2,000m

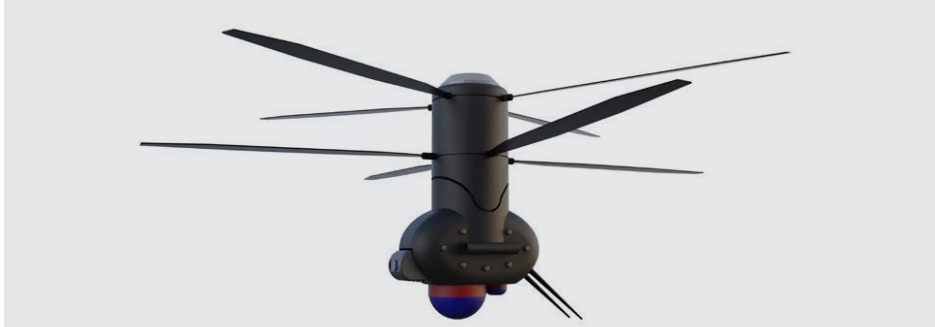
**Engine:** Electric

**Wingspan:** Up to 2.2m

**Length:** Up to 1.5m



## AIR PLATFORMS | LOITERING PRODUCTS EDGE



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### HUNTER HANDHELD

The HUNTER possesses a take-off weight of just 2kg and can be placed into flight by hand. The drone carries a payload of 400g, flying at a maximum altitude of 500m. It operates at a cruising speed of 25 knots, is 200mm long, and features twin rotary blades spanning approximately 500mm, which run off an electric engine. The HUNTER has a flight endurance of 30 minutes, with a communications range of 5km MITL.

**Wing span:** Ø500 mm

**Length:** 200 mm

**Drone takeoff weight:** 2kg

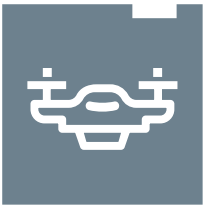
**Payload:** 400g

**Cruising speed:** 25 knots

**Engine:** Electric

**Endurance:** 30 minutes

**Max altitude:** 500 m



AIR PLATFORMS | LOGISTICS

PRODUCTS

ADASI



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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:** 10,000ft

**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

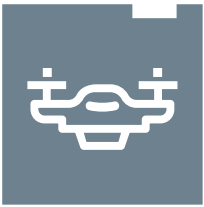
**Service ceiling:** 3,000m

**Maximum range:** 360km

**Maximum endurance:** 4h

**Maximum rate of climb:** 8m/s

**Maximum cargo weight:** 500kg



## AIR PLATFORMS | LOGISTICS PRODUCTS ADASI



### GY-300

The ADASI GY-300 is a reliable, cost-efficient and low-maintenance heavy-duty cargo drone powerful enough to transport payloads weighing up to 300kg distances up to 400km. Its versatility is enhanced by an ability to operate in undeveloped environments, including rough unpaved terrain with short take-off and landing distances.

With a loaded endurance of four hours and unloaded endurance of six hours, the GY-300 features low maintenance and high reliability, with redundant autopilot, actuation and an engine control unit. With long-travel suspension, six-ply tires and a powerful 280hp turbo engine, this UAV makes it possible to transport critical mission payloads to remote locations inaccessible to less flexible cargo drones.

**Engine:** 4 cylinders, reciprocating boxer turbocharge

**Power:** 280 HP

**Cruise Speed:** 120 km/h

**Max Speed:** 160 km/h

**Endurance:** 6h (100kg cargo)  
4h (300 kg cargo)



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**EDGE**



**LAND  
SYSTEMS**

**ADASI**

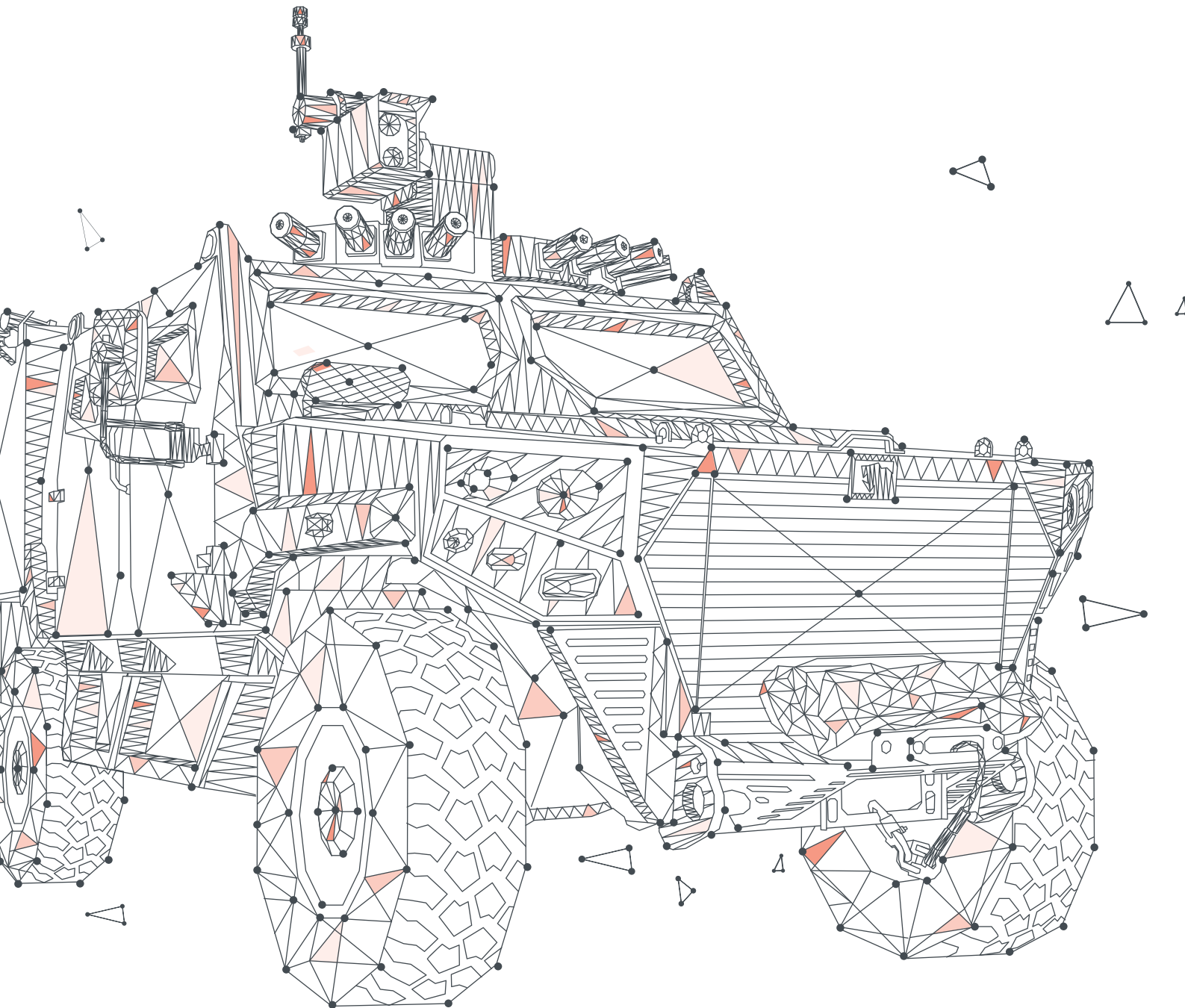
**AL JASOOR**

**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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## 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

# AL JASOOR



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### RABDAN 8x8 AMBULANCE VEHICLE

Having superior off-road mobility, amphibious capability and high protection capabilities, the RABDAN Ambulance Vehicle is uniquely configured to provide medical support at the far frontlines of the battlefields.

**Gross Vehicle Weight:** Up to 30.000 kg

**Seating Capacity:** 1 driver, 1 commander, 2 medics, 2 stretchered patients, and 3 sitting patients or, 1 driver, 1 commander, 2 medics, 3 stretchered patients

**Length:** 8.45m

**Width:** 3.25m

**Height:** 2.72m (over hull)





## 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.

**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:** 1,100Nm

**Crew Capacity:** 10



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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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## 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



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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:** 100km/h

**Cruising range:** 700km

**GVW:** up to 21,000kg

**Payload:** 3,200kg

**Maximum crew:** 2 + 5



## LAND SYSTEMS - VEHICLES

### PRODUCTS

# NIMR



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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:** 100km/h

**Cruising range:** 700km

**GVW:** up to 27,000kg

**Payload:** 7,500kg

**Maximum crew:** 2 + 9



## LAND SYSTEMS | UGV PRODUCTS



### T-RCV

T-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 T-RCV 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):** 5,000kg

**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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### THeMIS OBSERVE

The THeMIS Observe is built for tactical reconnaissance missions. The system includes a camera for day and night operations, an acoustic gunshot detector, smoke screen protection and a ground surveillance radar. Combining those systems allows units to make multi-sensor identification on one platform and react faster on emerging targets.

The THeMIS Observe has a low acoustic signature and low radio emissions and significantly increases a tactical unit's stand-off distance from enemy units whilst considerably increasing their capability and survivability.

**Dimensions:** 247cm x 205cm x 130cm

**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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## LAND SYSTEMS | UGV PRODUCTS



### THEMIS COMBAT

TheMIS Combat UGVs provide commanders the ability to enter high-threat situations to identify and engage known or perceived threats prior to human intervention. Since the enemy cannot allow unmanned combat vehicles freedom of movement, they force the enemy to reveal their positions by engaging the robotic system.

By destroying the first patch of enemy key assets and creating a hole in the enemy's defensive or offensive posture, TheMIS Combat UGVs enhance the effectiveness of manned assets by creating momentum that human troops can leverage with fewer casualties.

**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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### 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:** 247cm x 204cm x 117cm

**UGV weight:** 1650kg

**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**  
**EDGE**



**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.

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

**Unit weight:** 450kg

**Payload:** 130kg

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

**Communication range:** 3km (LOS)

**Endurance:** 4 hours



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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).

### Surveillance & Reconnaissance

Integrated communication with other 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 calibre

**EDGE**



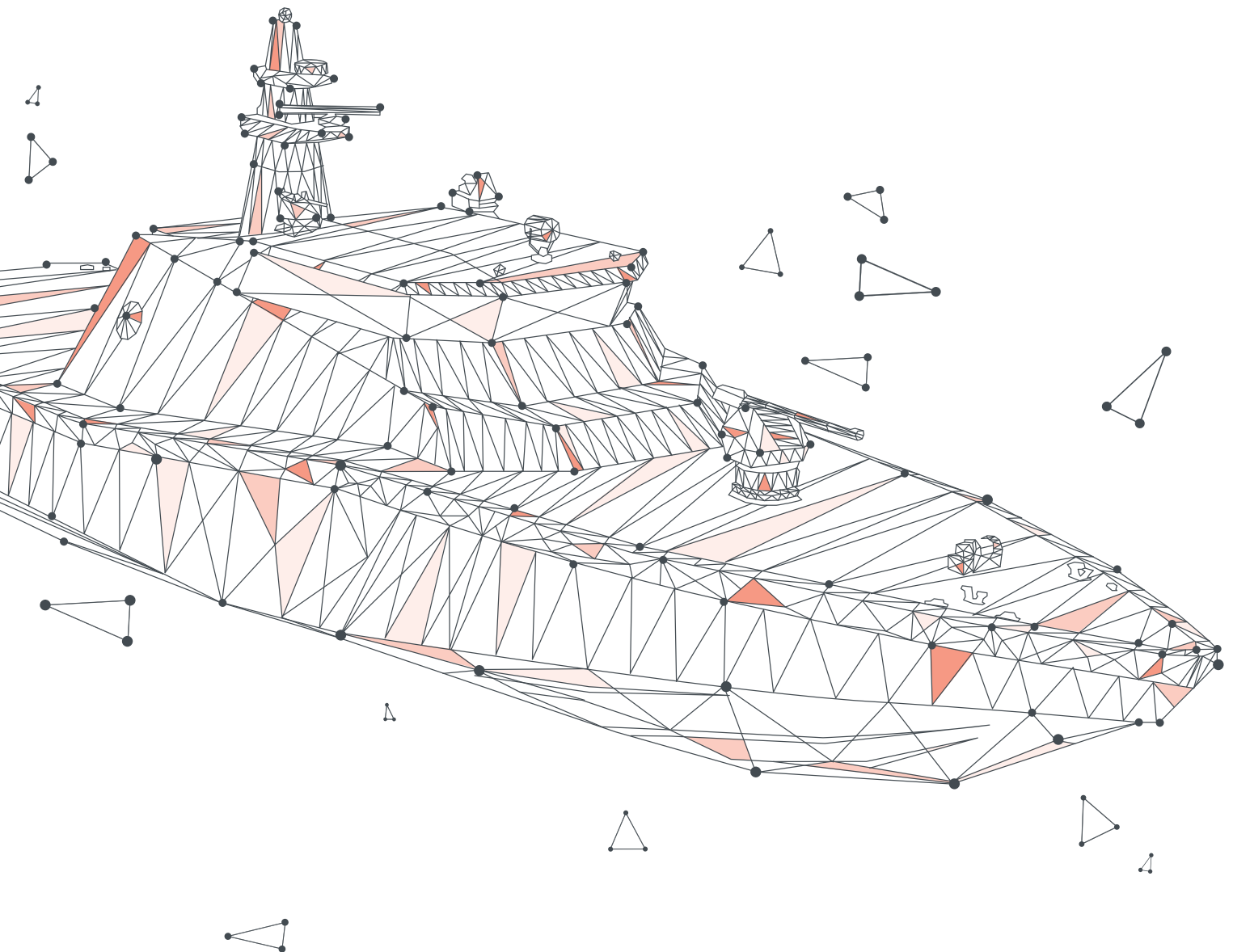
# NAVAL SYSTEMS

**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



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PRODUCTS

**ADSB**  
ABU DHABI SHIP BUILDING



## 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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## 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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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



FLYER

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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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### 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.

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



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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.

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



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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



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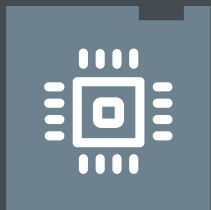
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**EDGE**



# **ELECTRONIC WARFARE**

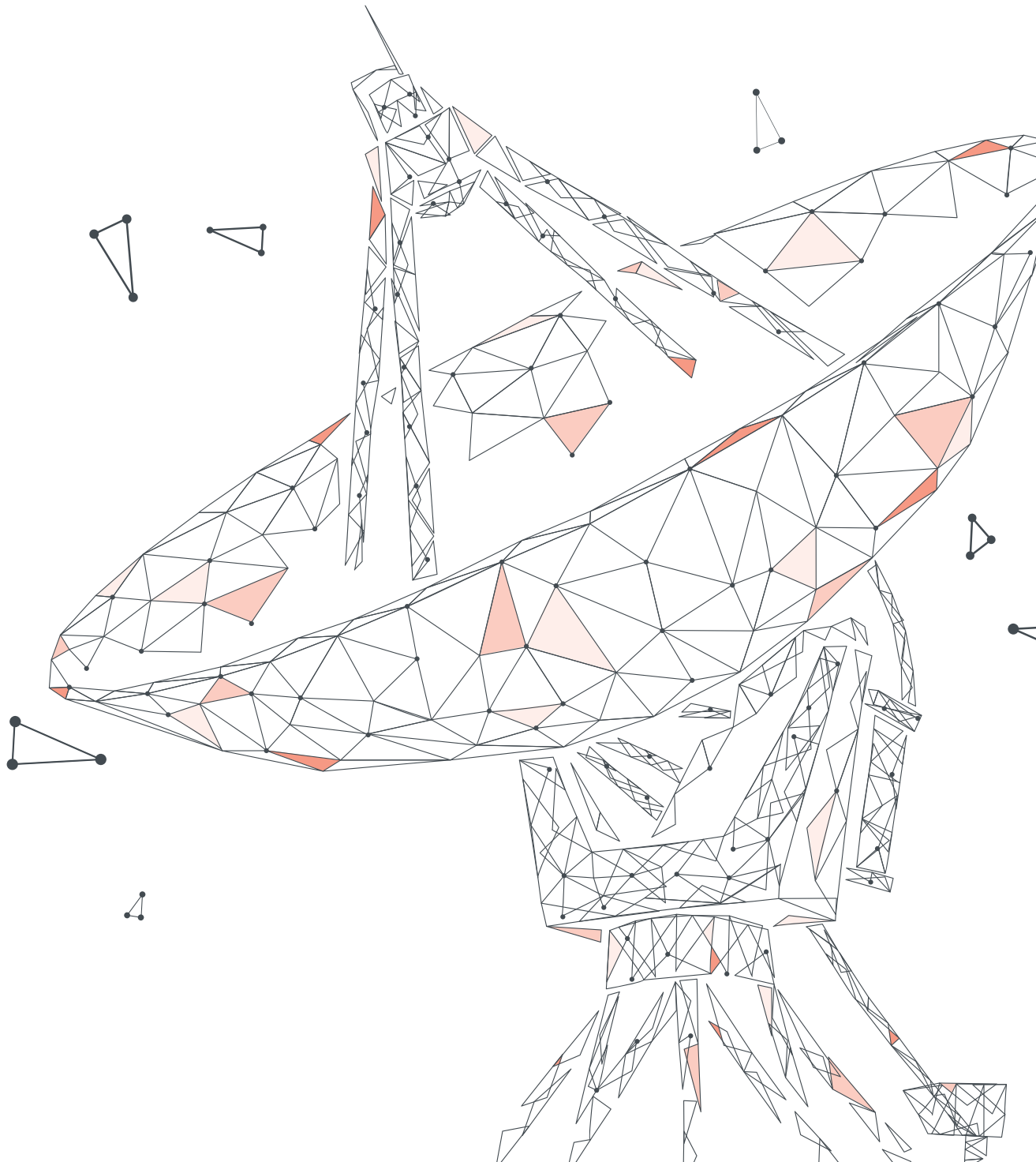
**SIGN4L**

 **HIGH LANDER**



# 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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## 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



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## NAVCONTROL

NAVCONTROL 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 produces covert GNSS denial and emulation signals to safely distance unmanned vehicle threats.

- Jams all bands across the GNSS spectrum
- Spoofs the GNSS spectrum to protect a specified area of interest
- Combines jamming and spoofing for maximum coverage range



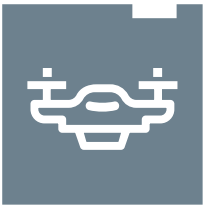
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## D-PROTECT

The D-PROTECT is a ruggedised, outdoor counter-UAS system for extended-range operations. Designed and built by SIGN4L in the UAE, the D-PROTECT produces powerful RF signals that interfere and jam GNSS and C2 signals transmitted to a UAS.

- Jams full range of GNSS spectrum
- Jams UAS C2 channels
- Option to spoof a range within the GNSS spectrum to protect an area of interest



## 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 GNSS receivers from interference and jamming, thereby preventing them from being spoofed or otherwise directed off course, even by powerful or sophisticated jamming systems.

- Designed to counter both narrowband (NB) and broadband (BB) jammers
- Works with legacy GPS receivers
- Easy installation across all platforms



# ELECTRONIC WARFARE | INTELLIGENCE PRODUCTS SIGN4L



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## ACTIVECELL-SAR

SIGN4L has developed an aircraft-mounted cellular system for search and rescue operations using a fully software-defined radio. This system can locate targets over 2G (GSM), 3G (UMTS), 4G (LTE) and 5G (NSA) networks.

- Mobile Operation: Compact design facilitates installation on manned or unmanned aircraft
- UI and UX: Pre-programmed missions are possible with the easy-to-operate system
- Robust: Up to 8 high-power base stations for simultaneous transmission across all available networks



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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 Wi-Fi spectrum.

- Significant capture range
- Discrete and portable form factor
- Real-time collection of Wi-Fi emitters and metadata



## ELECTRONIC WARFARE | COMMAND & CONTROL PRODUCTS

### **HIGHLANDER**



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## VEGA UNCREWED TRAFFIC MANAGEMENT (UTM)

Vega UTM is an uncrewed traffic management (UTM) solution providing real-time airspace awareness enabling coordination of drone fleets and traditional air traffic at any scale.

Vega approves and denies flight plans, identifies and mitigates conflicts and bolsters traditional air traffic management systems to provide the digital infrastructure the world needs to create a consolidated sky.

The solution provides an intuitive dashboard that can be accessed via desktop or mobile. It displays rich, real-time data that they can use to make airspace decisions – notifications, flight plans, uncrewed aircraft movement and ID, crewed aircraft movement and ID, no-fly-zones, weather conditions, terrain, and more.

**Live motion awareness:** Real-time tracking of airspace activity providing complete situational awareness and digital traffic management.

**Flight authorization:** Flight plan coordination - approvals, denials and flight path alterations ensuring safe and efficient movement at scale.

**Geo-fencing:** Defines perimeters of permanent and temporary NFZs for static and dynamic complete airspace control.

**Strategic deconfliction:** Conflict prevention at pre-flight planning stage via smart flight plan coordination.

**Tactical deconfliction:** Real-time monitoring allows for dynamic conflict prevention, solving problems as they arise mid-flight.

**Prioritisations:** Designates and enforces airspace priorities, for example for first responders and air taxis.

**IFF - friend or foe:** Vehicle identification via remote-ID and ADS-B capabilities, drone radar integrations and multi-directional data sharing.



## ELECTRONIC WARFARE | COMMAND & CONTROL PRODUCTS

### **HIGHLANDER**



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## ORION DRONE FLEET MANAGEMENT

Orion DFM is a drone-agnostic software platform that gives you complete command over your drone fleet, no matter the size.

Create missions via the intuitive dashboard and watch in real time as your fleet carries out their missions autonomously, or take direct command from anywhere in the world.

With no limit to the number of drone missions the platform can run concurrently, Orion is a powerful and versatile tool that broadens the planning horizons and mission possibilities for all types of multi-drone operations, whatever the terrain or situational constraints..

**Payload control:** Direct control of drone hardware from the dashboard - gimbal adjustment, delivery units, speakers, microphones, etc.

**Cockpit mode:** Full control of in-flight drone with a pilot's eye view from the camera. Drones can be operated from thousands of miles away.

**Share link:** Creates a web link to the live video stream of any of your drones, in order to be shared with third party recipients.

**Object detection:** Detects, identifies and counts people and vehicles. Drones can also track a chosen object, even if it is moving quickly.

**Hot replacement:** Autonomous dispatch of a replacement drone when an in-mission drone is low on battery, for seamless mission continuity.

**GPS loss:** Drones lock themselves in place in cases of signal loss. If the signal doesn't return in time, the drone will safely land itself.

**Collision avoidance:** Real-time monitoring and automated navigation adjustments to prevent mid-air conflicts.

**Terrain recognition:** Alters flight plans to avoid conflicts with natural obstacles, according to system map data.

**Weather widget:** Up-to-the-minute meteorological data including wind speed and direction, rainfall and humidity. Definition of 'fair' conditions can be configured.

**Mapping tool:** Guides drone in creation of 2D/3D maps within a defined polygon. The system can update its map according to said data in real time.

**EDGE**



**CYBER DEFENCE  
& SECURE  
COMMUNICATIONS**

**BEACON RED**

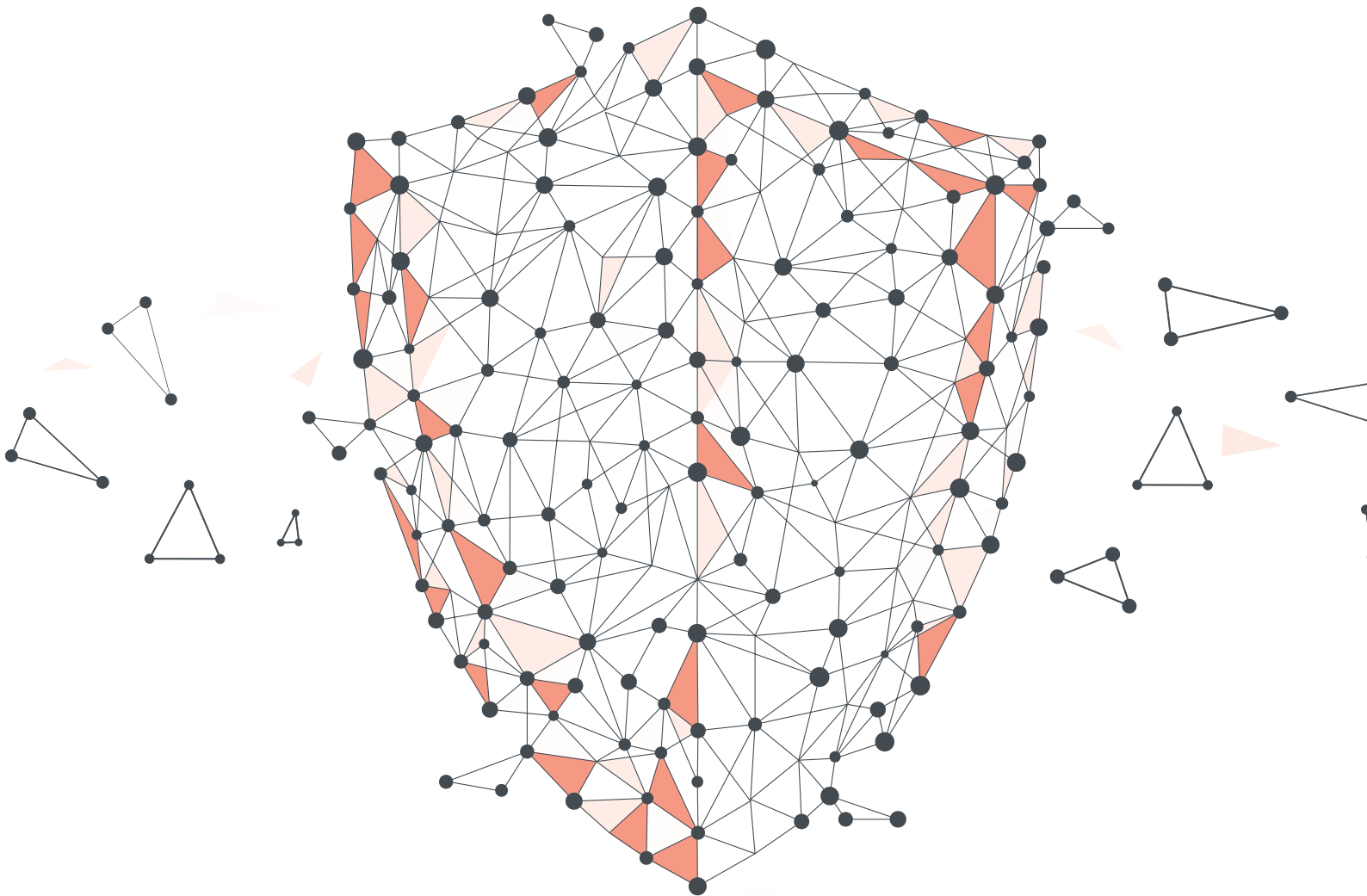
**KATIM**

**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

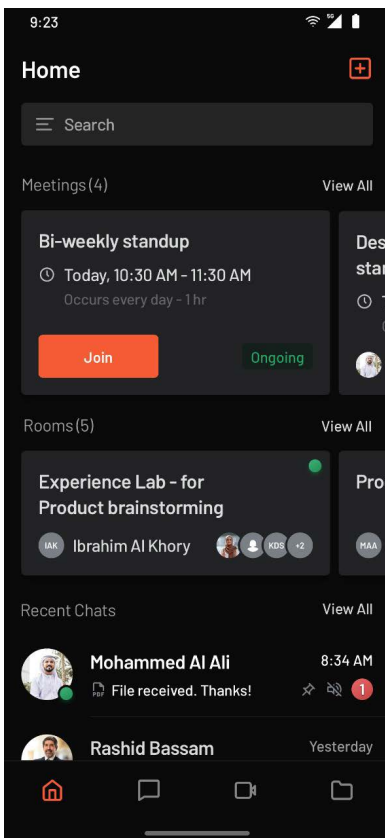
Ultra-secure encryption for small offices and remote locations

- 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 X4

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 4TH GENERATION PHONE

In a world where security is paramount, KATIM empowers you to take ownership of your privacy and safeguard your critical communications. Experience the assurance of knowing your data and communications are protected with the KATIM 4th Gen Phone.



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- Qualcomm QCM8550
- KATIM OS (Hardened Android™)
- 16 GB LPDDR5X, 256 GB UFS4.0
- 2G EGSM, 3G WCDMA, 4G TDD & FDD LTE, 5G NR Sub 6 GHz NSA/SA, dual SIM (nano SIM card and eSIM)
- Wi-Fi 6E, Bluetooth 5.3, GNSS, NFC, UWB
- USB Type-C 3.1 gen 1, Interface for extension modules
- 6.5" AMOLED FHD+ with touch sensor Gorilla® Victus® 2.5D glass
- Triple rear cameras (AF + 2x FF) with dual LED flash, FF front camera



## CYBER DEFENCE & SECURE COMMUNICATIONS

PRODUCT

# KATIM

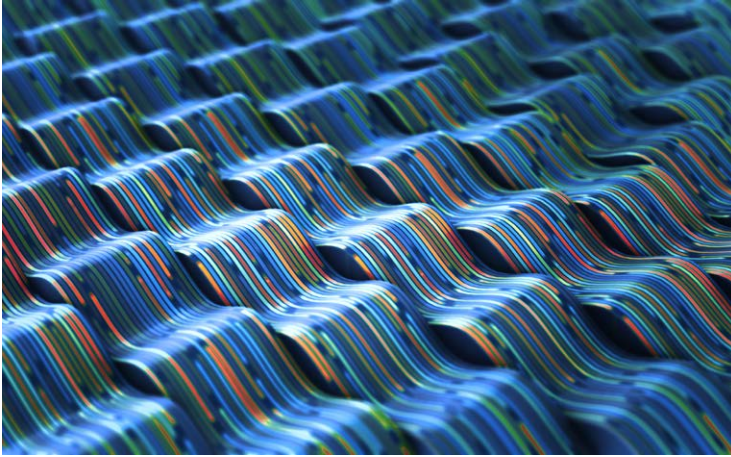




## CYBER DEFENCE & SECURE COMMUNICATIONS

### PRODUCT

# ORYXLABS



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## DISCOVERY

DISCOVERY is an external digital risk platform. It offers continuous assessment and monitoring of enterprise digital assets and their corresponding external attack surface to identify and address potential security issues.

With DISCOVERY, leaders can rest assured that their organization's external environment will be constantly monitored for security issues.

### UNIQUE FEATURES

- Asset mapping
- Actionable insights
- Depth of analysis
- Executive dashboards
- Near real-time monitoring
- 24x7 continuous assessment





## CYBER DEFENCE & SECURE COMMUNICATIONS

### PRODUCT

# ORYXLABS



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## DNS FIREWALL

DNS FIREWALL takes a state-of-the-art approach to help your organization defend against DNS- based attacks.

Cost-effective and easy to operate, our solution monitors all outgoing DNS traffic from an organization's on-premise and remotely operated computers, tablets, smart sensors and equipment – ensuring those endpoint devices do not access dangerous website.

Implemented from a single software platform with no new hardware requirements, DNS FIREWALL uses machine learning, artificial intelligence and advanced algorithms to assess, in near-real time, the destination of all outbound DNS traffic.

### UNIQUE FEATURES

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

**EDGE**



**TRAINING &  
SERVICES**

**BEACON RED**

**EARTH**

**HORIZON**

**RE MAYA**

# TRAINING & SERVICES

Offering industry-leading 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.



BROCHURE

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## TRAINING & SERVICES

### SERVICES

# 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.



FLYER

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## 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

**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.



BROCHURE

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### 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.



VIDEO

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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.



## 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

# REMAVA



BROCHURE

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VIDEO

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## XRANGE

XRANGE is an international multi-domain Training, Test & Evaluation (TT&E) facility for defence, aerospace and commercial customers, providing an instrumented, controlled, and safe environment in which to conduct complex TT&E activities.

Across domains, platforms, systems and technologies, XRANGE gives you the information and insights to support and accelerate product development from concept to reality.

## THE ISLAND

Located 100km from Abu Dhabi city, on a highly secure 355km<sup>2</sup> island, XRANGE delivers a number of co-located facilities, support services and expert personnel to support our customers' requirements. The island enjoys favourable weather for year-round testing, offering unique advantages in assessing performance of systems and platforms in hot, humid, and dusty conditions.





## TRAINING & SERVICES

### SERVICES

# REMAVA



## CAPABILITIES

### TEST & EVALUATION

#### Air Trials

- Initial Flight Testing and Characterisation
- Live-Fire Weapons Release
- Short Range Air Defence Trials
- Payload Integration and Acceptance Testing
- Beyond Line of Sight Communication and Data Links
- UAV Endurance
- Helicopter Crew Served Weapons
- Aerial Delivery System Trials
- Anti-Surface and Sub-Surface Weapons Testing
- Naval Navigation and Communications Testing
- Mine Countermeasure Training
- Unmanned Systems Integration Trials
- Manned-Unmanned Teaming (MUM-T)
- Naval Gunfire Support (NGS) Trials

#### Land Trials

- Fixed and Vehicle-Mounted Firing Range
- Long Range Small Arms Munitions Testing
- Large-Calibre Gunfire (Direct Role)
- Short-Range Indirect Fire Munitions
- Static Explosives Testing (ARENA)
- Directed-Energy Weapons Testing

#### Maritime Trials

- Surface Platform Performance
- Sub-Surface Platform Performance

#### Electronic Warfare

- Simulation of GPS or GNSS-Denied Environments
- Jamming and Spoofing
- Suitable For ECM, ECCM, ESM Trials and Training

#### Training

- Force-On-Force Exercises (OPFOR)
- Urban Operations Rehearsal
- Close Quarter Battle Training
- Vehicle Ant-Ambush and Defensive Driving
- Amphibious Assault Exercises
- Airborne Insertion Exercises

**EDGE**



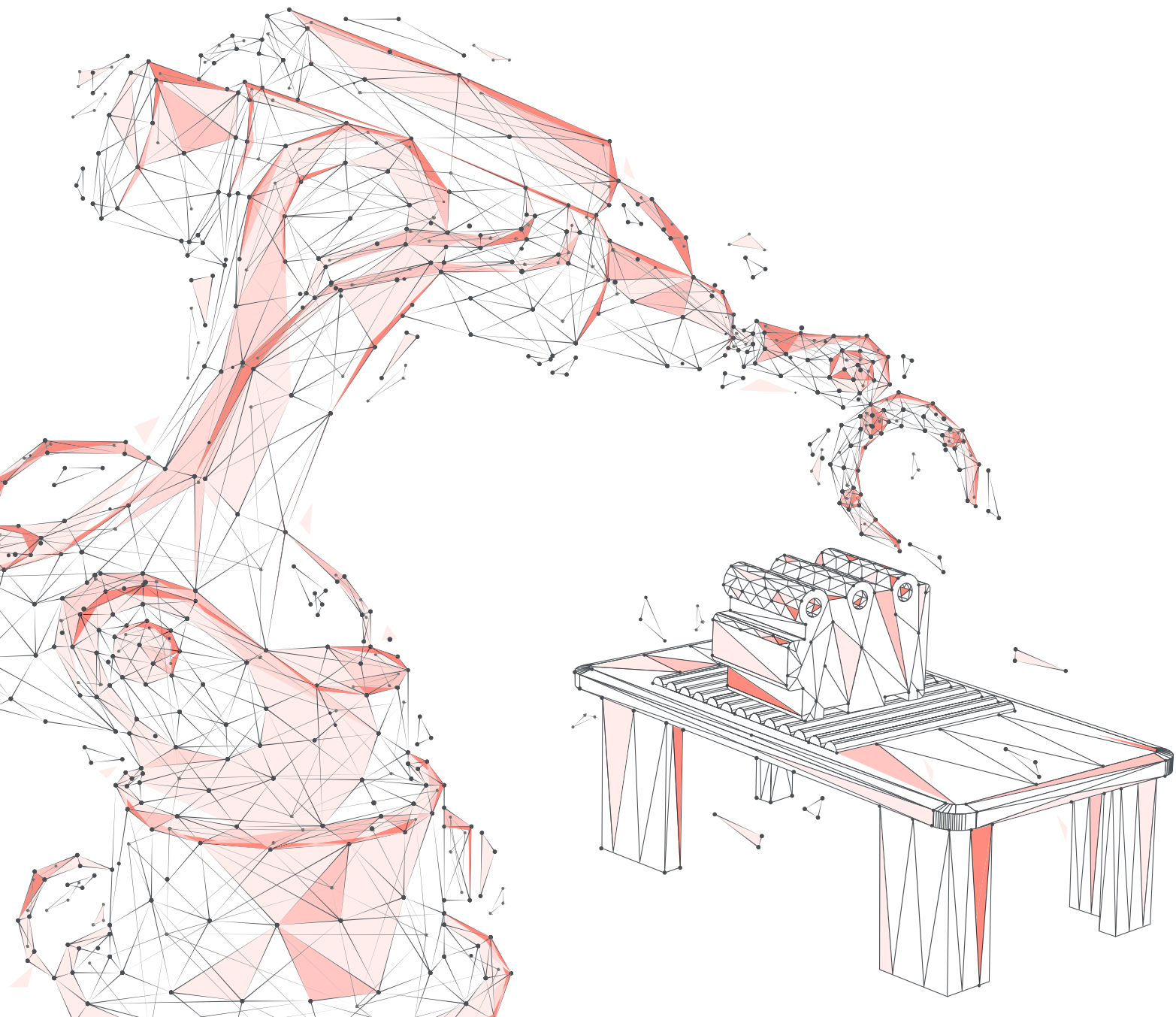
**PRECISION  
ENGINEERING**

**EPI**

**HALCON**

# P R E C I S I O N E N G I N E E R I N G

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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### CUTTING TOOL MANUFACTURING

All our cutting tools and re-sharpeners come with the assurance of quality and precision.

We have an advanced technology edge to produce high-quality tools for all types of operations, such as milling, drilling, reaming, etc. Further, our capabilities extend to measuring, inspection, and other critical functions such as:

- Custom-made cutting tools for all operations
- Manufacture and re-sharpening of carbide and HSS tools
- Five-axis cutter grinders to tool re-sharpening
- Self-measurement probes and 3D simulators
- Measuring and inspection of cutting tools







# PRECISION ENGINEERING SERVICES EPI

## CALIBRATION LAB

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

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.

## INSPECTION AND LABORATORIES

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 is handled with conventional equipment like:

- Vernier caliper
- Micrometres
- Digital height gauge measuring equipment
- Coordinate Measuring Machines (CMM) Up to 7m in length
- Hexagon machine with PCDMIS for offline programming





# PRECISION ENGINEERING SERVICES EPI

## SURFACE TREATMENT

Revolutionizing Surface Treatments with EDGE's EPI Solutions.

Our special process engagements are carried out at two main shops with an overall footprint of approximately 8000 square metres.

- Chemical Processing
- Non Destructive Testing
- Surface Enhancement
- Paint Process
- Part Marking
- Laboratory



FLYER

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## METALLIC 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 that includes incoming inspections, detailed inspection during the parts manufacturing stage, and review following heat-treatment processes.

Our test capabilities include:

- Material surface hardness with machines capable of achieving Vickers, Knop, and Rockwell A, B, C methods
- Microstructure analysis (including moulding)
- Chemical analysis with spark optical emission spectrometer (OES)
- Electrical conductivity measuring of non-ferrous material (aluminium grade/Eddy currents)





## PRECISION ENGINEERING SERVICES EPI

### MACHINING AND ASSEMBLY

Precision machining solutions to meet key industry requirements.

Our machining capabilities are designed to meet key industry requirements with the following offerings:

- Three-and five-axis milling machining soft and hard materials
- Turning
- EDM
- Laser , TIG , MIG and ARC welding
- Rectification process (roll forming, shot peening by ultrasonic and blasting)

EPI also offer equipping and Sub-Assemblies process :

- Faster installation
- Torqueing
- Bushing
- Bearing installation

### ENGINEERING SOLUTIONS

Our manufacturing engineering solutions include:

- Process capability studies
- Precision machining
- Industrialization
- CAD/CAM programming
- Application engineering
- Manufacturing process design
- Production process development





## 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

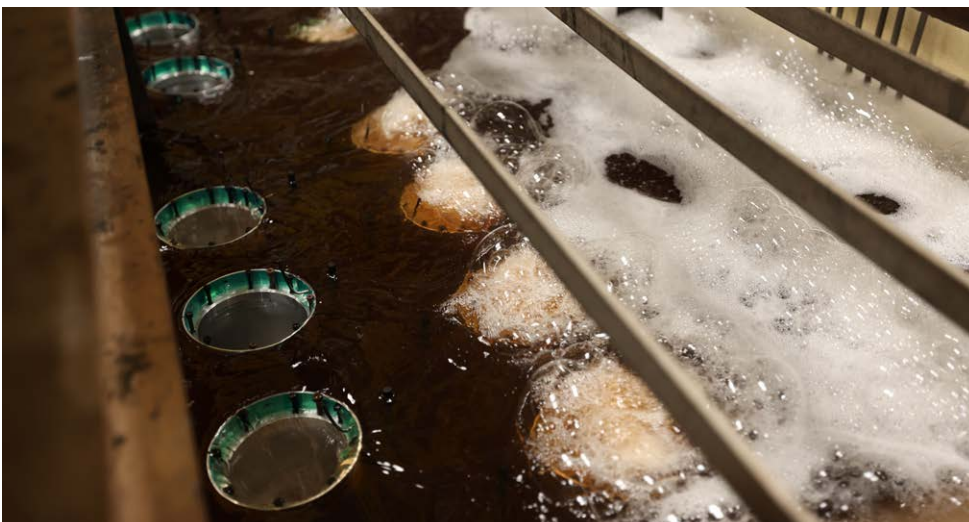
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### SURFACE TREATMENT

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

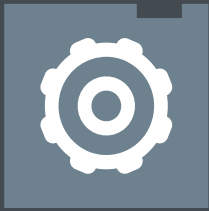
HALCON's Special Manufacturing Division turnkey solutions in state-of-the-art printed circuit board (PCB) and cable harness production. The specialised facilities deliver products built to perform in the most demanding operational scenarios.

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**



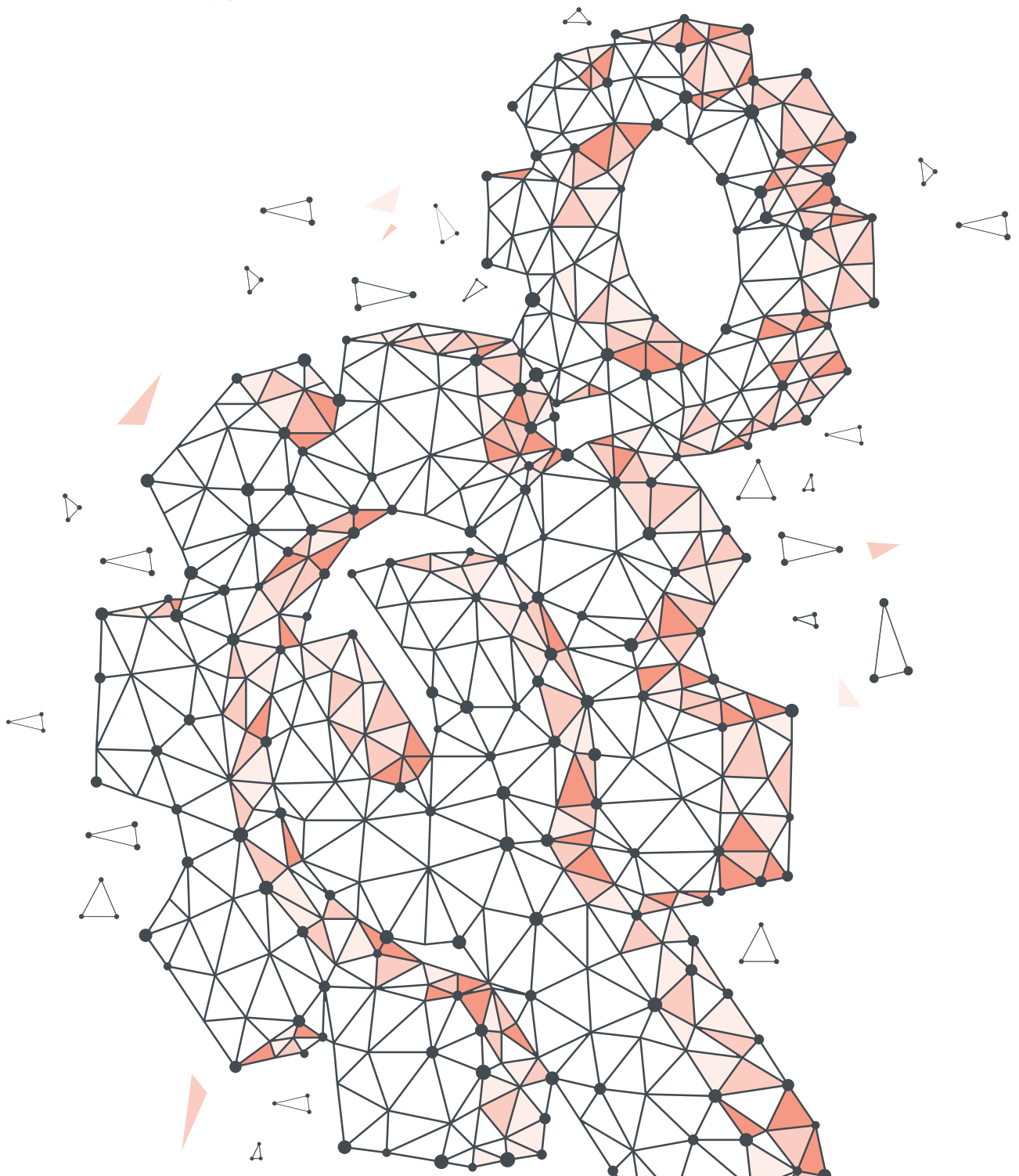
**MRO**

**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 330,000m<sup>2</sup> 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

**AJSB**  
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**  
**SERVICES**

**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

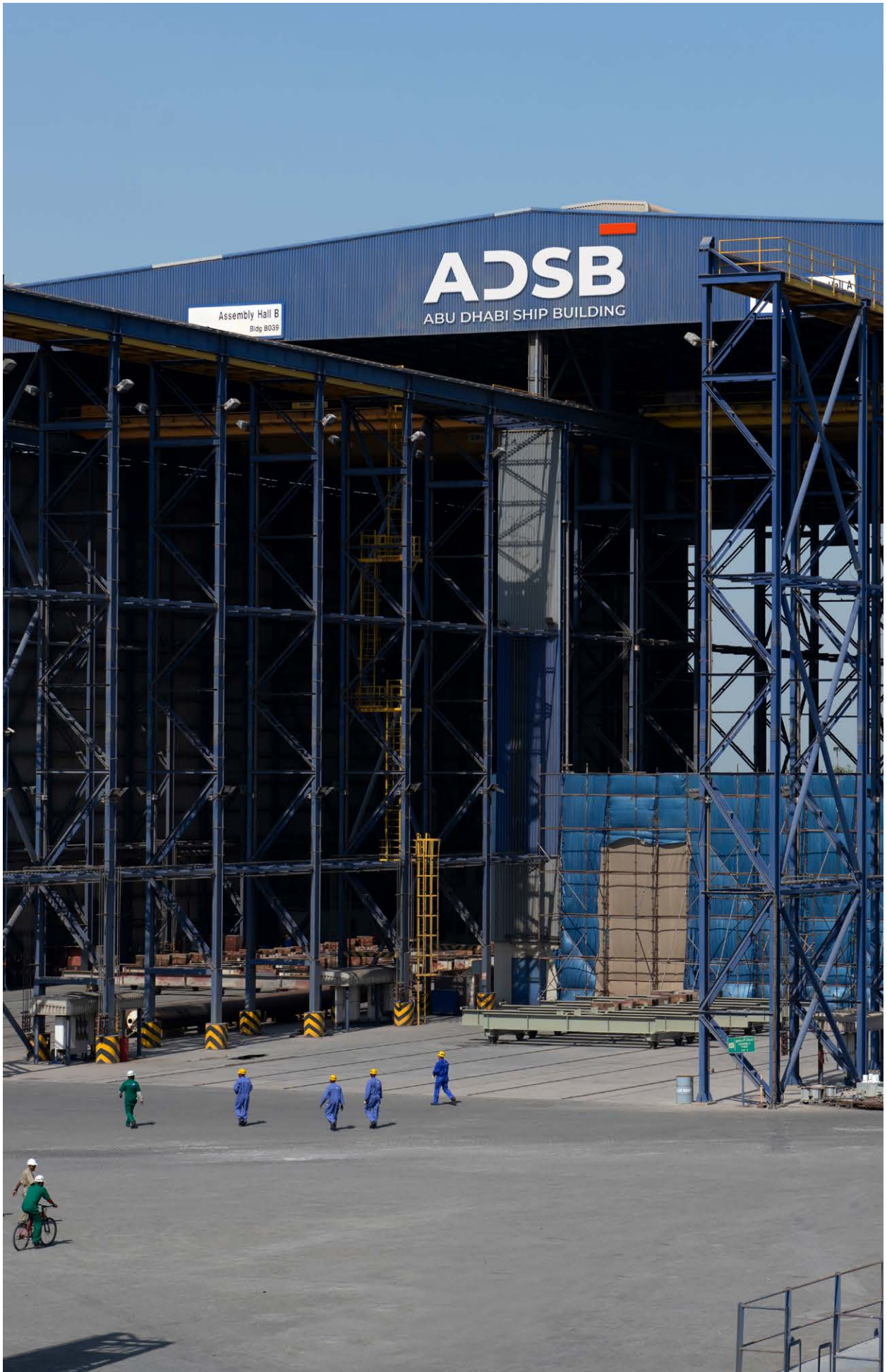
At ADSB, our dedicated steel and aluminium fabrication shops are fitted with advanced machinery and technologies, and supported by a highly skilled team. Working in close partnership with our clients, we can undertake everything from major repairs to the construction of modular units with advanced outfitting 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 9,000m<sup>2</sup>, it can construct and repair composite vessels up to 30 metres in length.







## MRO | LAND VEHICLES SERVICES AL TAIF



FLYER

[CLICK TO VIEW](#)



VIDEO

[CLICK TO VIEW](#)

### LAND VEHICLES – 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
- 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

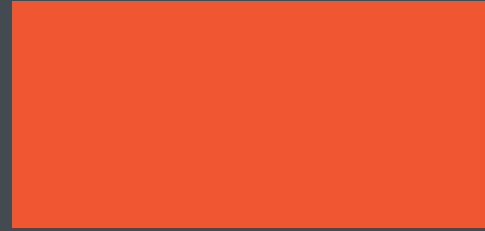
AL TAIF's state-of-the-art calibration laboratory guarantees high-quality technical calibration services across the full spectrum of monitoring and measuring equipment to the UAE Armed Forces. Leveraging its use of industry leading asset management system software, AL TAIF also provides comprehensive inventory and maintenance management for monitoring and measuring equipment.

Established in 2012 and continually accredited since 2015, AL TAIF operates the first and leading calibration laboratory within a UAE military facility and the first to be accredited for torque calibration. By maintaining a full suite of resources in-house, we deliver the rapid turnaround times that are critical for defence, security, and law enforcement operations.

### OTHER CAPABILITIES & SERVICES INCLUDE:

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





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