

EDGE

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

EDGE PRODUCT LIST

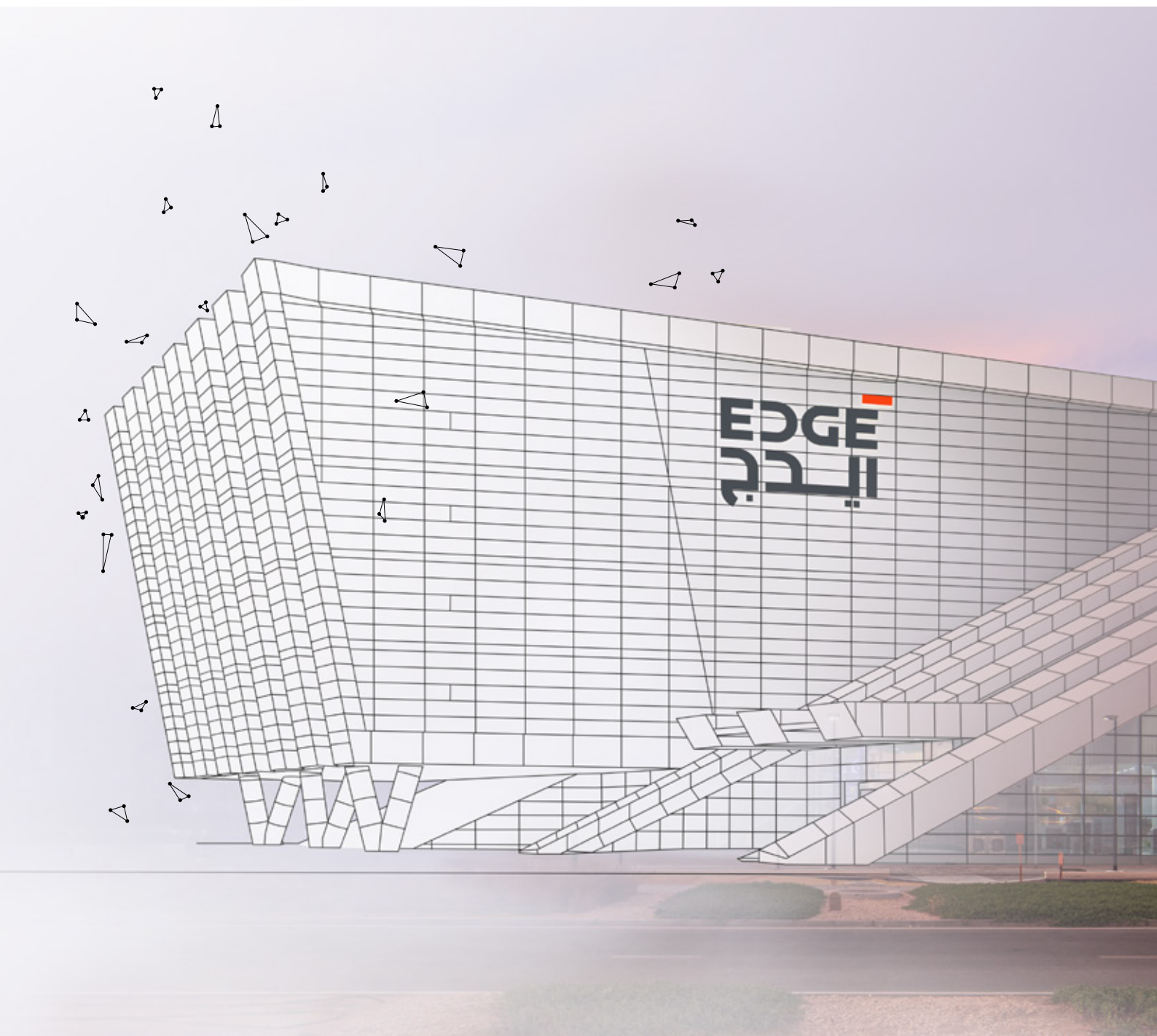




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WE ARE EDGE



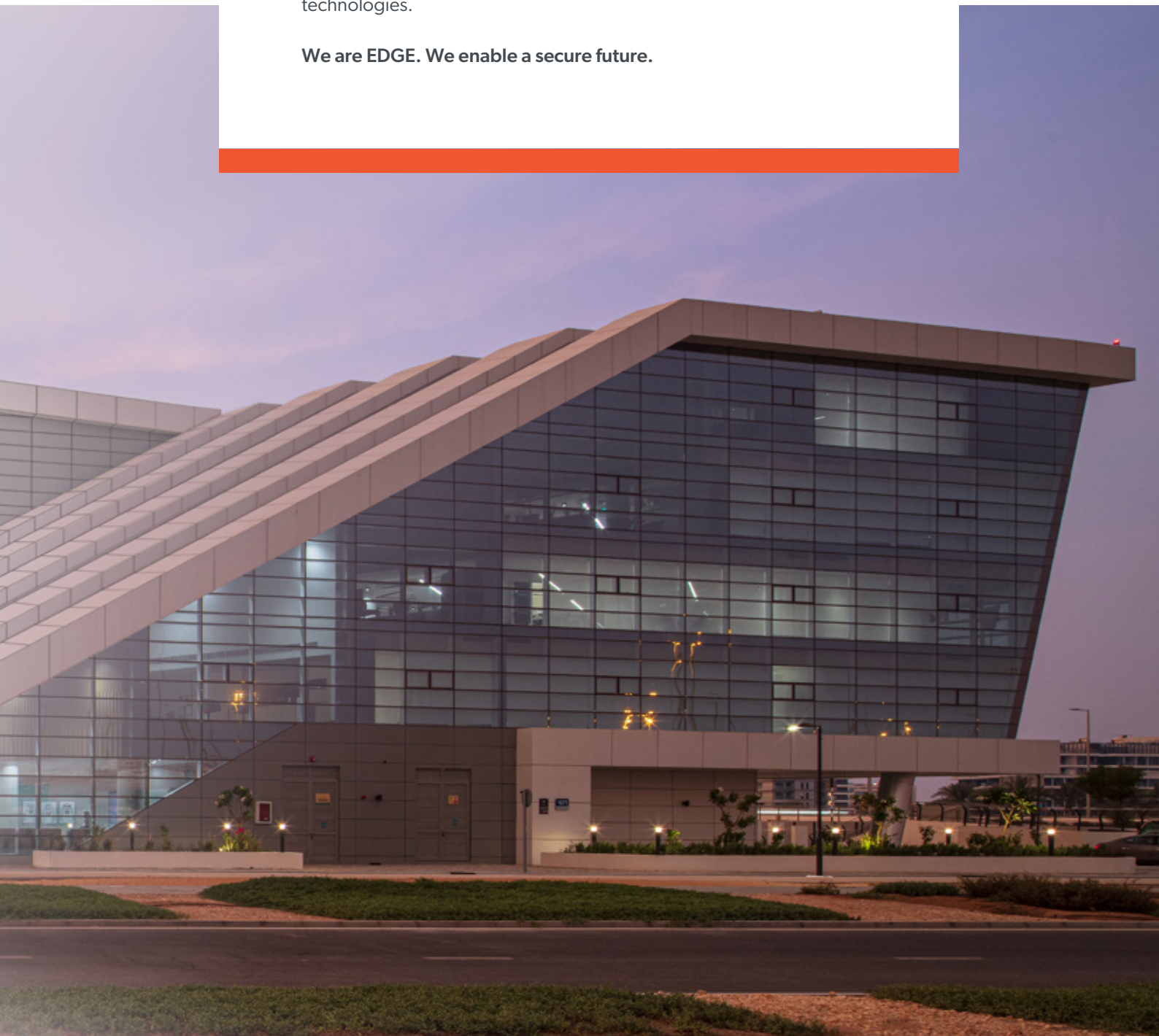
ADVANCED TECHNOLOGY FOR DEFENCE & BEYOND

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.

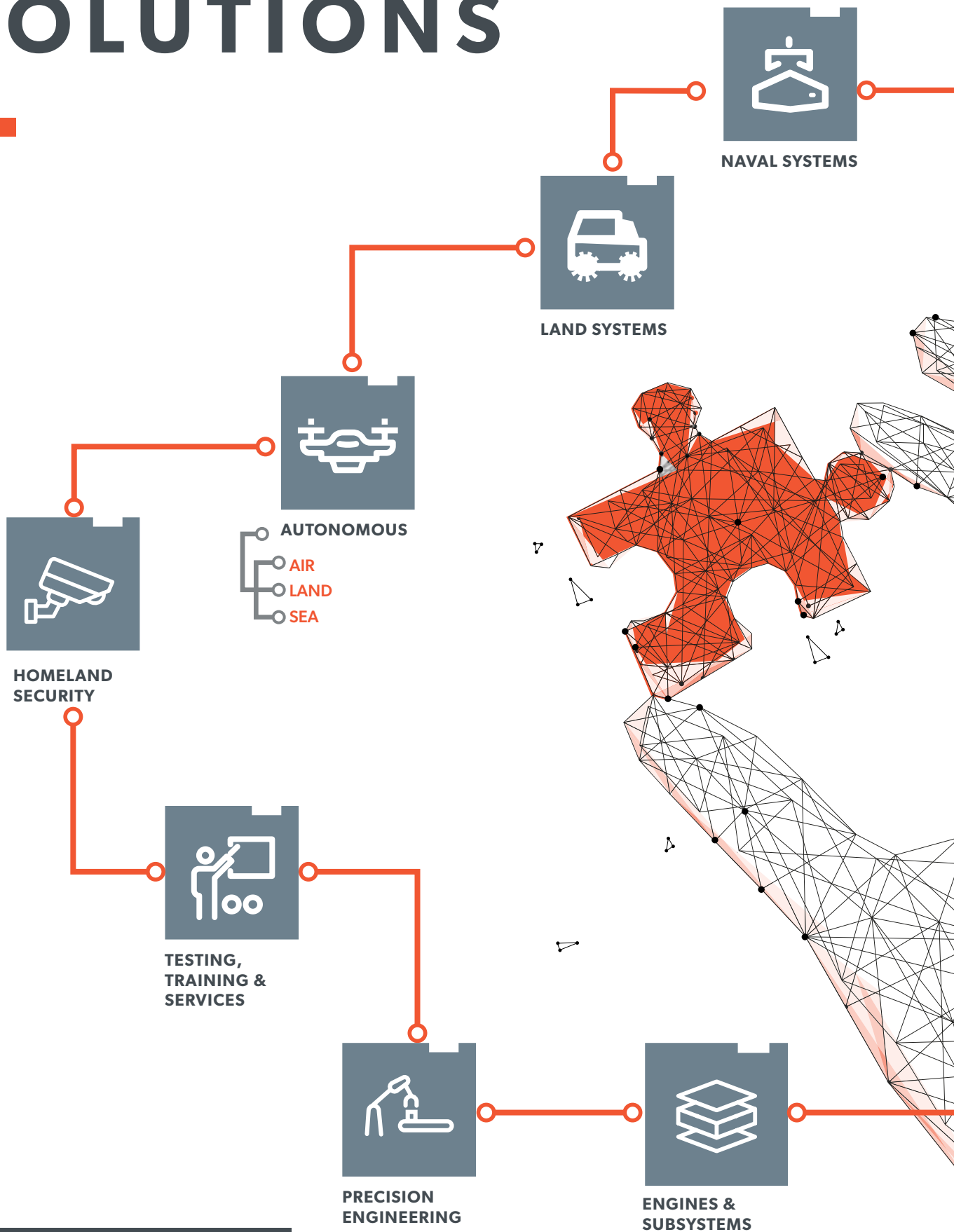
Transforming how we live, and ensuring a more secure future, is what we do. We are EDGE; and our mission is simple: to bring innovative technologies and services to market with greater speed and efficiency.

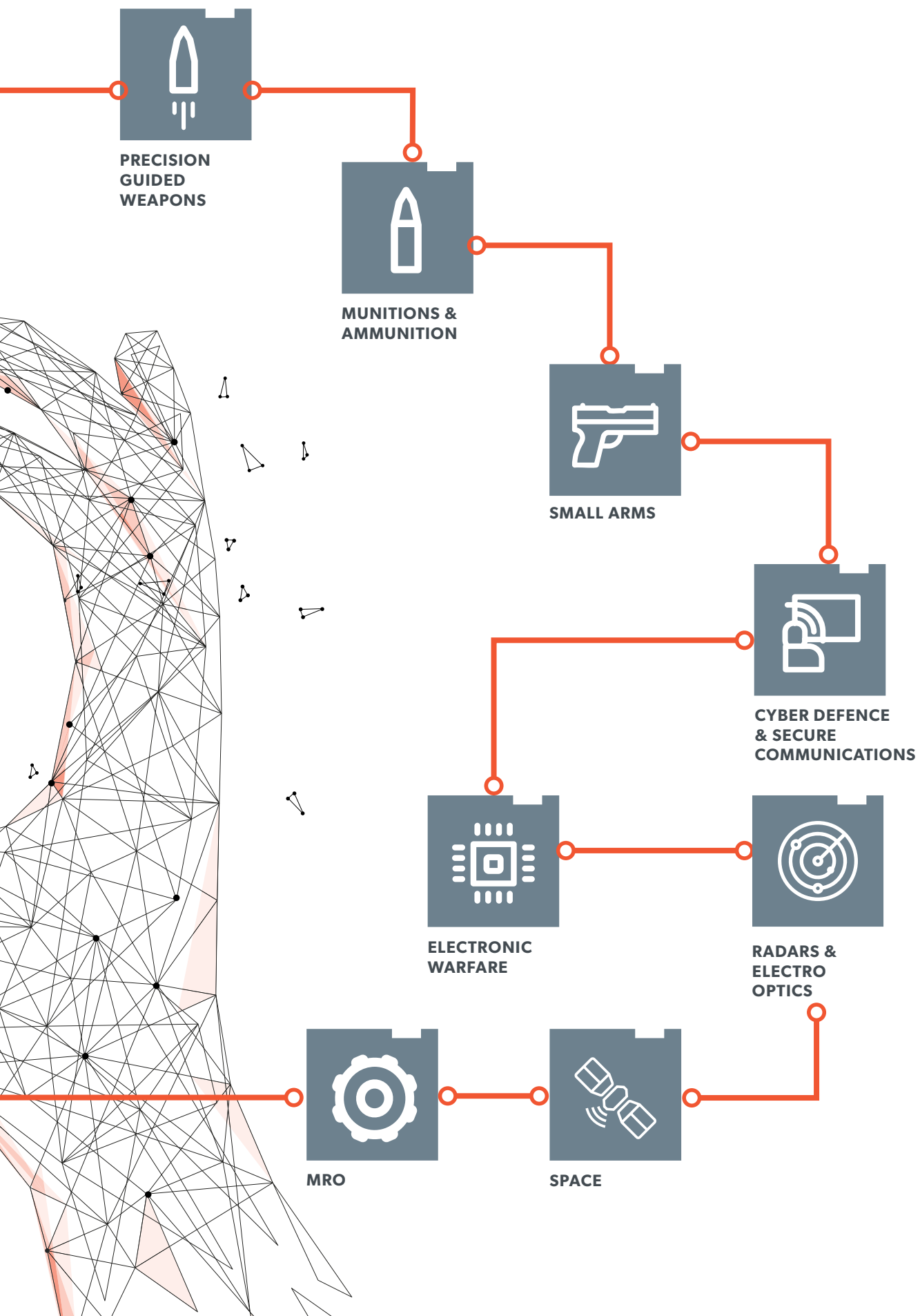
We are driving the development of sovereign capabilities for global export and for the preservation of national security, working with front-line operators, international partners, and adopting advanced technologies.

We are EDGE. We enable a secure future.



OUR SOLUTIONS





EDGE



AUTONOMOUS

ADASI

ADVANCED
CONCEPTS

ANAVIA

FLARIS

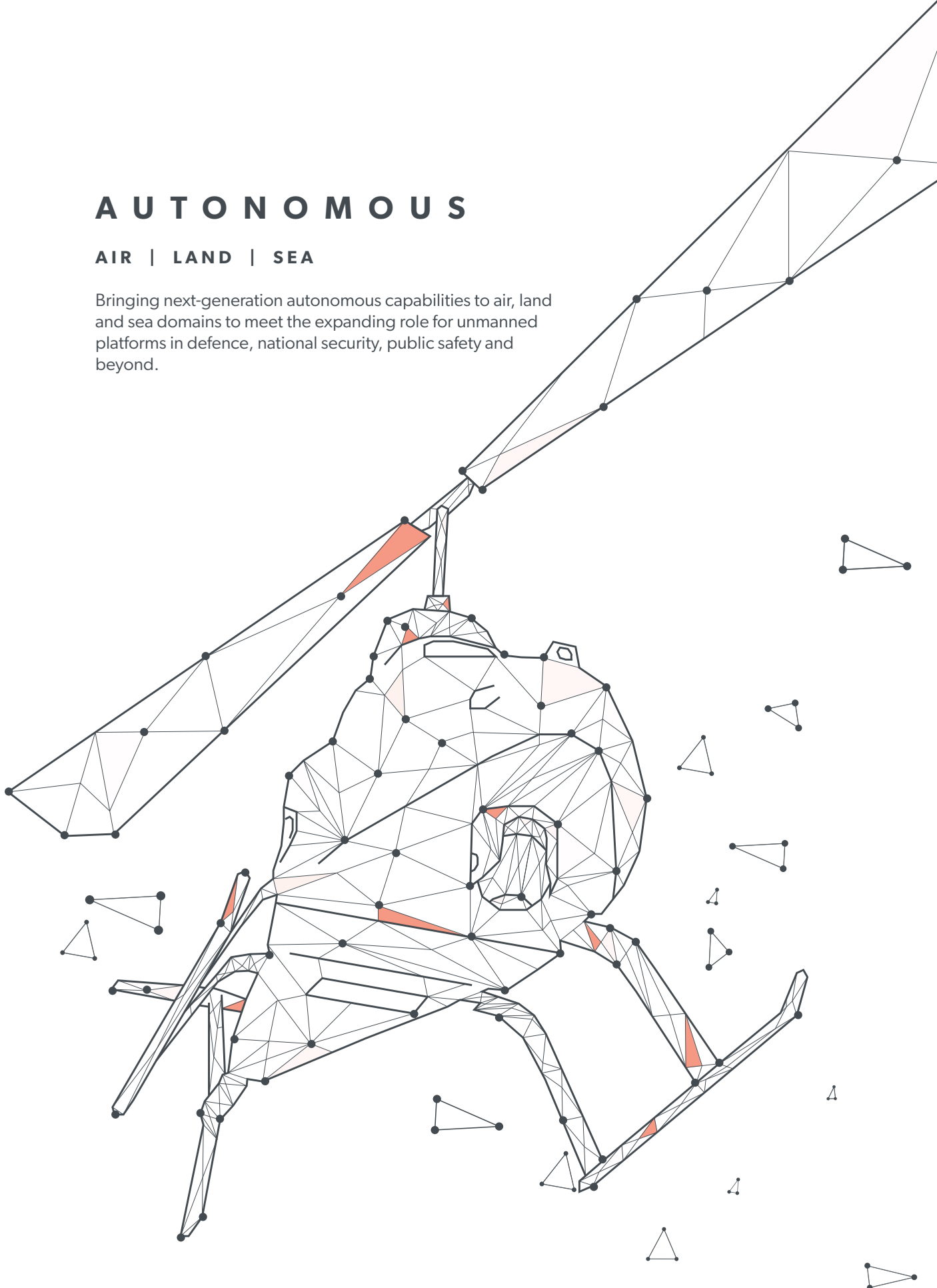
 **MILREM**
ROBOTICS

ADSB
ABU DHABI SHIP BUILDING

AUTONOMOUS

AIR | LAND | SEA

Bringing next-generation autonomous capabilities to air, land and sea domains to meet the expanding role for unmanned platforms in defence, national security, public safety and beyond.





AUTONOMOUS | AIR | 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

Endurance: 8 hours (including 30 minutes reserve)

Payload: 120kg

Maximum speed: 150km/h

MTOW: 540kg

Ceiling altitude: 10,000ft



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AUTONOMOUS | AIR | ISR

PRODUCTS

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PHANTOMDIAB

A comprehensive, fully autonomous tactical solution engineered for continuous 24/7 aerial operations. Designed specifically for Defence and Homeland Security (HLS) applications, the Phantom Dock system integrates advanced drone technology, a cutting-edge Command and Control (C2) application, and a ruggedised ground station for seamless, mission-critical operation.

Docking station size: 2300mm x 750mm

Maximum take-off weight: 14kg

Payload: up to 5 kg

Endurance (with 0.5kg payload): 60 minutes

Range: 10 km

Autonomous operation: Take-off, landing, flight plan

Drone battery capacity: 864Wh

Service ceiling: 10,000ft



AUTONOMOUS | AIR | ISR PRODUCTS EDGE



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PHANTOMHAWK

Designed from bottom up The PhantomHawk is an high performance tactical system designed for continuous, long-endurance missions, ensuring unmatched ease of deployment and seamless logistical with a vertical takeoff and landing (VTOL) capabilities. Tailored to meet today's high demands of Defence and Homeland Security operations, the PhantomHawk offers superior ISR operational capabilities.

Maximum take-off weight: 32kg

Endurance: 12hrs with 3.5kg payload

LOS Range: Up to 150km (can be extended)

Maximum Payload weight: 7kg

Engine type: Hybrid eVTOL + IC

Operating Temperature: -20°C to 50°C

Operational Altitude: 3,000 – 6,000 ft AGL

Service Ceiling: 12,000 ft ASL

Wingspan: 4.0m



AUTONOMOUS | AIR | ISR
PRODUCTS
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PL-5

The PL-5 is a Group 3 native VTOL UAS developed for stand-in ISR and persistent surveillance missions across land, maritime, and multi-domain environments.

Engineered for maximum operational flexibility, the PL-5 combines runway-independent VTOL capability, advanced propulsion system, and long-endurance performance within a rugged composite airframe.

Maximum take-off weight: 90 kg

Endurance: 15 hrs with 15 kg payload | 24 hrs with 5kg payload

Range: Up to 150 km + SATCOM (optional)

Maximum Payload weight: 18 kg

Engine type: Hybrid eVTOL + IC Engine

Takeoff & Landing: Native VTOL

Typical Operating Altitude: 5,000 ft

Celling Altitude: 18,000 ft

Wingspan: 6.22m



AUTONOMOUS | AIR | ISR
PRODUCTS
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PATHFINDER-X

The Pathfinder-X is designed for persistent autonomous mission and aerial coverage at long range. Unlike short-range multirotor drones, Pathfinder-X fuses the efficiency of fixed-wing flight with the flexibility of vertical take-off and landing, enabling routine, fully autonomous missions that extend well beyond the limits of traditional drone-in-a-box solutions.

MTOW: 6 kg

Endurance (fixed-wing): 2.5 + hours

Hover capability: Up to 35 minutes

Range: Up to 150 km (one-way)

Top speed: 80 + Kts

Payload capacity: Up to 1 kg (EO/IR or mission-specific)

Battery exchange: Automated < 120 sec

Ground-station dimensions: 1.6 m × 1.0 m × 0.8 m



AUTONOMOUS | AIR | ISR
PRODUCTS
ANAVIA



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 6 hours and 600km, and payload capacity of 60kg.

Range: 600km

Payload: 60kg

Max. speed: 120km/h

Endurance: 6hrs



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AUTONOMOUS | AIR | ISR
PRODUCTS
ANAVIA



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HT-750

ANAVIA focuses on one key objective: ensuring customer satisfaction through innovative and reliable aircraft. With its endurance, cargo capacity and long range, the HT-750 stands as the world's leading heavy-lift unmanned VTOL system – ready for every mission, in every deployment.

Payload and fuel: 750kg

Max. flight time: 15 hrs

Max. airspeed: 222km/h

Dimensions: 10.0m x 2.58m x 3.35m (32.8 ft x 8.46 ft x 11.00 ft)



AUTONOMOUS | AIR | UCAV PRODUCTS FLARIS



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SINYAR LAR1

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



AUTONOMOUS | AIR | UCAV PRODUCTS FLARIS



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SINYAR LAR3P

The FLARIS SINYAR-LAR3P is a rapid-deployable, high-speed and 18-hour endurance unmanned aerial vehicle with both combat and ISR capabilities. Economical and easy to transport with detachable wings, the aircraft can climb rapidly (108km/h) to quickly arrive at observation altitude and reduce speed for extended loitering.

With short take-off and landing capabilities, even from unpaved runways, the FLARIS SINYAR-LAR3P blends speed, endurance to perform intelligence, surveillance and reconnaissance tasks, maritime monitoring, search and rescue, electronic warfare and armed combat missions, and radio link transmission and retransmission.

Wingspan: 8.7m

Length: 8.3m

MTOW: 2,200kg

Payload: 610 kg

Endurance (clean configuration): 18 hours

Range: 6,000 km

Max speed: 650 km/h (TAS 350 kt)

Max altitude: 40,000 ft

Communication System: Satellite Communication



AUTONOMOUS | AIR | 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 to strategic targets.

MTOW: 4,000kg

Wingpan: 7m

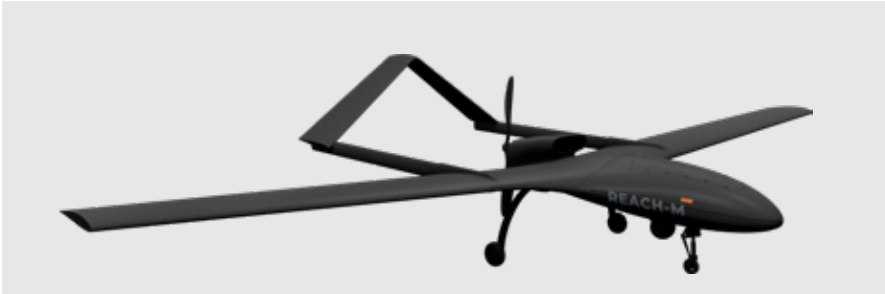
Lenght: 11m



AUTONOMOUS | AIR | UCAV

PRODUCTS

ADASI



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REACH - M

The ADASI REACH-M is a medium-altitude, long-endurance unmanned aerial vehicle capable of armed intelligence, surveillance and reconnaissance missions, as well as precision ground attacks.

Dimensions: 8.7m x 18.8m x 2.8m

Endurance: 29 hours (EOS only); 8 hours (EOS + weapon 8 x DS-16)

MTOW: 1,200 kg

Payload: 300 kg

LOS datalink range: 100 km

Maximum speed: 220km



AUTONOMOUS | AIR | UCAV
PRODUCTS
ACASI



REACH-S BLOCK 20

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

MTOW: 830kg

Max payload: 200kg

Ceiling: 22,000ft

Max/Cruising Speed (km/hr): 200/160

Wing span: 12m

Length: 6m

Take-off performance: 115 hp - 5800 rpm

Endurance ISR/Max payload: 22.5 hrs ISR



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AUTONOMOUS | AIR | UCAV

PRODUCTS

ACASI



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JERNAS-S

JERNAS-S is a medium-altitude, long-endurance, compact UAV designed for intelligence, surveillance and reconnaissance, as well as tactical intelligence, targeting and ground attack. The UAV can carry electro-optical, radar and electronic warfare equipment or either four DS-16 or four Rash-2 munitions.

With a 15-hour ISR endurance and 10-hour fully configured endurance, the fixed-wing JERNAS-S provides extended airborne capabilities in a compact form factor.

Empty weight: 320 kg

MTOW: 630 kg

Wingspan: 8 m

Propulsion

Engine: Zongshen CA520TI

Engine type: 4-stroke, 4-cylinder with turbocharger

Take-off performance: 115 hp - 5800 rpm

Fuel Type: 95 gasoline

Fuel capacity: 250 L

Fuel consumption: 13.5 L/hr



AUTONOMOUS | AIR | UCAV PRODUCTS ACASI



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JERNAS-M

JERNAS-M is a low-cost, medium-altitude, long-endurance unmanned aerial vehicle ideal for tactical intelligence, surveillance, reconnaissance, and ground attacks.

This compact, fixed-wing platform has a maximum endurance of 20 hours, a range of 200 kilometres (LOS), and a maximum payload of 280 kilograms. The JERNAS-M's flexible configuration allows it to carry electro-optical, radar, and electronic warfare sensors, or weapons such as the RASH MK81 bomb with four RASH-3 munitions.

Empty weight: 590 kg

MTOW: 1,150 kg

Wingspan: 10 m

Propulsion

Engine: EP918Ti - 185H

Engine type: 4-stroke, 4-cylinder, horizontally

Take-off performance: 185 hp - 5,800 rpm

Fuel type: Automotive gasoline

Fuel capacity: 350 L

Fuel consumption: 17 L/hr



AUTONOMOUS | AIR | AIR DEFENCE PRODUCTS ADASI



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SHADOW 3

The ADASI Shadow 3 is a portable vertical take-off and landing drone with GPS anti-jamming that offers dual mission functionality as a counter-measure drone or guided strike munition. It has a range of more than 30 km, endurance of up to 20 minutes, and maximum speeds of 200+ k/hr to 400+ k/hr, depending on propulsion system.

Length: 1m – 2.5m

Wingspan: 0.5m – 2.0m

Maximum take-off weight: +12 kg

Range: +30 km

Endurance: up to 20 minutes

Payload: 3kg

Maximum speed: 200+ k/hr to 400+ k/hr

Engine: Electric / turbine jet

Guidance: GNSS / optical seeker

Launcher: Electric propulsion from stationary position



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PRODUCTS
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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.

MTOW: 103kg

Empty Weight: 37kg (without fuel or payloads)

Fuel Weight: 41kg (51 ltr)

Payload: 25 kg

Operational Speed: 450km/hr

Communication link range: 100 km

Endurance: 60 minutes

Wingspan: 2.17m

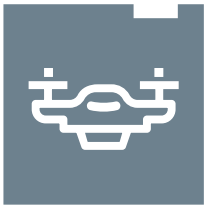
Length: 2.25m

MTOW: 103kg

Rate of Climb: 2500 feet/minute at Mean Sea Level MTOW

Propulsion: Jet Engine, 450N thrust (rated)

Electric Power: Battery



AUTONOMOUS | AIR | AIR DEFENCE PRODUCTS ADASI



SHADOW 50

The ADASI SHADOW 50 VTOL is a fixed-wing electric vertical take-off and landing unmanned aerial vehicle for long-endurance ISR missions. Electric motors support take-off and landing, while a piston engine powers cruising.

MTOW: 125 kg

Wingspan: 3.5 m

Length: 2.15 m

Payload capacity: 10 kg

Endurance: 12 hr

Cruise altitude: 3,000 m



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PRODUCTS
ADASI



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SHADOW 50 VTOL

The ADASI SHADOW 50 VTOL is a fixed-wing electric vertical take-off and landing unmanned aerial vehicle for long-endurance ISR missions. Electric motors support take-off and landing, while a piston engine powers cruising.

MTOW: 125 kg

Wingspan: 3.5 m

Length: 2.15 m

Payload capacity: 10 kg

Endurance: 12 hr

Cruise altitude: 3,000 m



AUTONOMOUS | AIR | AIR DEFENCE PRODUCTS

ADVANCED CONCEPTS



BROCHURE

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HUNTER SP

The HUNTER SP is a small, soldier-portable, fixed-wing, tube launched loitering munition, launched from a single tube. Suitable for close-range tactical ISR and strike operations, the HUNTER SP autonomously flies to an intended target area and loiters while searching for targets. Once a target is identified, the remote pilot designates the target and activates engagement via man-in-the-loop control.

Length: 0.5m

Wingspan: 1m

Payload: 0.4kg

Communication Range: up to 25km

Cruise speed: 30m/s

MTOW: up to 3.5kg



AUTONOMOUS | AIR | AIR DEFENCE
PRODUCTS
ADVANCED
CONCEPTS



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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.

Length: 1.3m

Wingspan: 2.2m

Endurance: 45 min

Payload: 2kg

Communication Range: 50km

Cruising speed: 33 m/s



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PRODUCTS
ADVANCED
CONCEPTS



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HUNTER-AR

The ADVANCED CONCEPTS Hunter-AR is an autonomous air-launched, fixed-wing loitering munition that carries a 10kg warhead.

With a 50km maximum range and 30-minute endurance, the platform provides an effective standoff capability that is complemented by GNSS guidance. This low-cost system features foldable wings for ease of transport and storage.

Wingspan: 2,600mm

Length: 1,800mm

MTOW: 25kg

Endurance: 30 min

Cruising speed: 30 m/s

Operational altitude: 20,000ft

Propulsion system: Electric motor

Maximum range: 50km



AUTONOMOUS | AIR | AIR DEFENCE PRODUCTS

ADVANCED
CONCEPTS



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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.

Length: 2.5m

Payload: 5kg

Wingspan: 3m

Communication Range: up to 100km

Endurance: 150 min

Cruising speed: 33 m/s



AUTONOMOUS | AIR | AIR DEFENCE
PRODUCTS
ADVANCED
CONCEPTS



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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.

Length: 2.5m

Wingspan: 3m

Endurance: 150 min

Payload: 10 kg

Communication Range: Up to 100km

Cruising airspeed: 33m/s



AUTONOMOUS | AIR | AIR DEFENCE
PRODUCTS
ADVANCED
CONCEPTS



DESERT DART AND LAUNCHER

Desert Dart and Desert Dart Launcher represent an ultra-low-cost loitering munition option that because of its price, expands military and special forces capabilities and mission configurations. The six-unit Desert Dart Launcher is powered by compressed gas that launches the Desert Dart munition. The low unit cost means more munitions can be launched more often, whether to overwhelm enemy defences or to improve mission success or impact.

Length: 1.1 m

Height: 0.3 m

Wingspan: 1.25 m

Weight: 2-2.5 kg (incl. 0.5 kg payload)



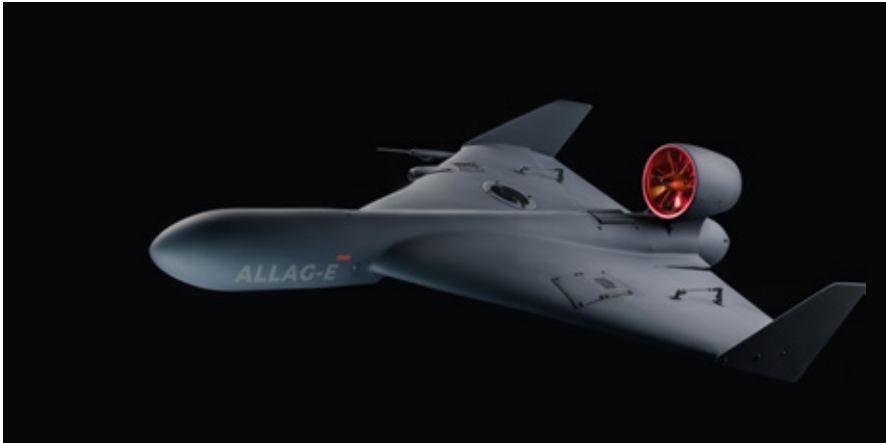
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AUTONOMOUS | AIR | AIR DEFENCE PRODUCTS

ADVANCED CONCEPTS



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ALLAG -E

ALLAG-E is a counter-drone system that provides protection against hostile aircraft operating at low altitudes, whether reconnaissance drones, loitering munitions, multirotor UAVs or other aerial threats.

The ground-to-air system is designed to detect and intercept aerial vehicles operating at speeds up to 200km/h at altitudes up to 2,000m. It features a 2kg warhead with fragmentation and cutting disk charge and proximity sensor. The system is operational, even in anti-jamming environment, through an RF link in guided mode and optical flow in attack mode.

Wingspan: 600mm

Length: 900mm

MTOW: 8.5kg

Total available flight time: 6+ min

Maximum Altitude (without radar guidance) : 3,000 m

Engine: 2 x EDF (electric-ducted fan)

Communication range (LOS): 30 km

Payload: 2kg

Warhead type: Fragmentation, cutting disk

Fragmentation Lethal Radius: 5+ m

Target Accuracy: 5m

Navigation: Ground guided

Max airspeed: 250+ km/h



AUTONOMOUS | AIR | AIR DEFENCE PRODUCTS EDGE



ANDURIL OMEN

Co-developed by Anduril and EDGE, Omen is a hover-to-cruise Autonomous Air Vehicle (AAV) that delivers long-range, heavy-payload, multi-mission capabilities in austere and communication-degraded or -denied environments. With a modular open architecture, operators can reconfigure and scale capability to meet mission demands.

- Powered by Anduril's Lattice for Mission Autonomy software
- Next-generation flight performance
- Open, modular architecture for diverse payloads
- Lightweight, durable, foldable airframe
- Rapid two-person setup and launch
- Runway-independent, tail-sitter VTOL
- Launch from land or ship



AUTONOMOUS | AIR | LOITERING PRODUCTS ADASI



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QX-1 LOITERING MUNITIONS

The QX-1 loitering munitions system offers military forces a compact, highly effective tool for discreet and precise targeted attacks. Lightweight and portable, this system includes various fuse options to adapt to any mission requirement.

Range: 10km

Endurance: 20 min

Payload mass: 0.5kg

Engine type: Electric

Max Speed: 64km/h



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VIDEO

QX-2 LOITERING MUNITIONS

The QX-2 loitering munitions system offers military forces a compact, highly effective tool for discreet and precise targeted attacks. Lightweight and portable, this system includes various fuse options to adapt to any mission requirement.

Range: 20km

Endurance: 30 min

Payload mass: 2.5kg

Engine type: Electric

Max Speed: 64km/h



AUTONOMOUS | AIR | LOITERING PRODUCTS ADASI



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QX-3 LOITERING MUNITIONS

The QX-3 loitering munitions system provides infantry and special forces with a powerful aerial capability via a 20kg UAV that can carry up to four precision-guided munitions. Equipped with onboard video and multiple weapons, the system enables operators to adapt to changing situations in real time, delivering strong support to ground operations.

Range: 40km

Endurance: 40 min

Payload mass: 6kg

Max Speed: 64km/h



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VORTEX-E

The ADASI VORTEX-E is an interceptor-strike drone that provides precision kinetic neutralisation of adversary unmanned aerial vehicles. The high accuracy reduces collateral damage and enhances mobility and responsiveness on the battlefield.

Dimensions: 600 mm x 140 mm

Weight: 4-6 kg

Payload weight: 1-2 kg

Speed: 240-350 km/h

Range: 15-24 km

Endurance: 15-36 minutes

Ceiling: 8000 ft

Type of engagement: Manual / AI lock

Camera optical: Thermal

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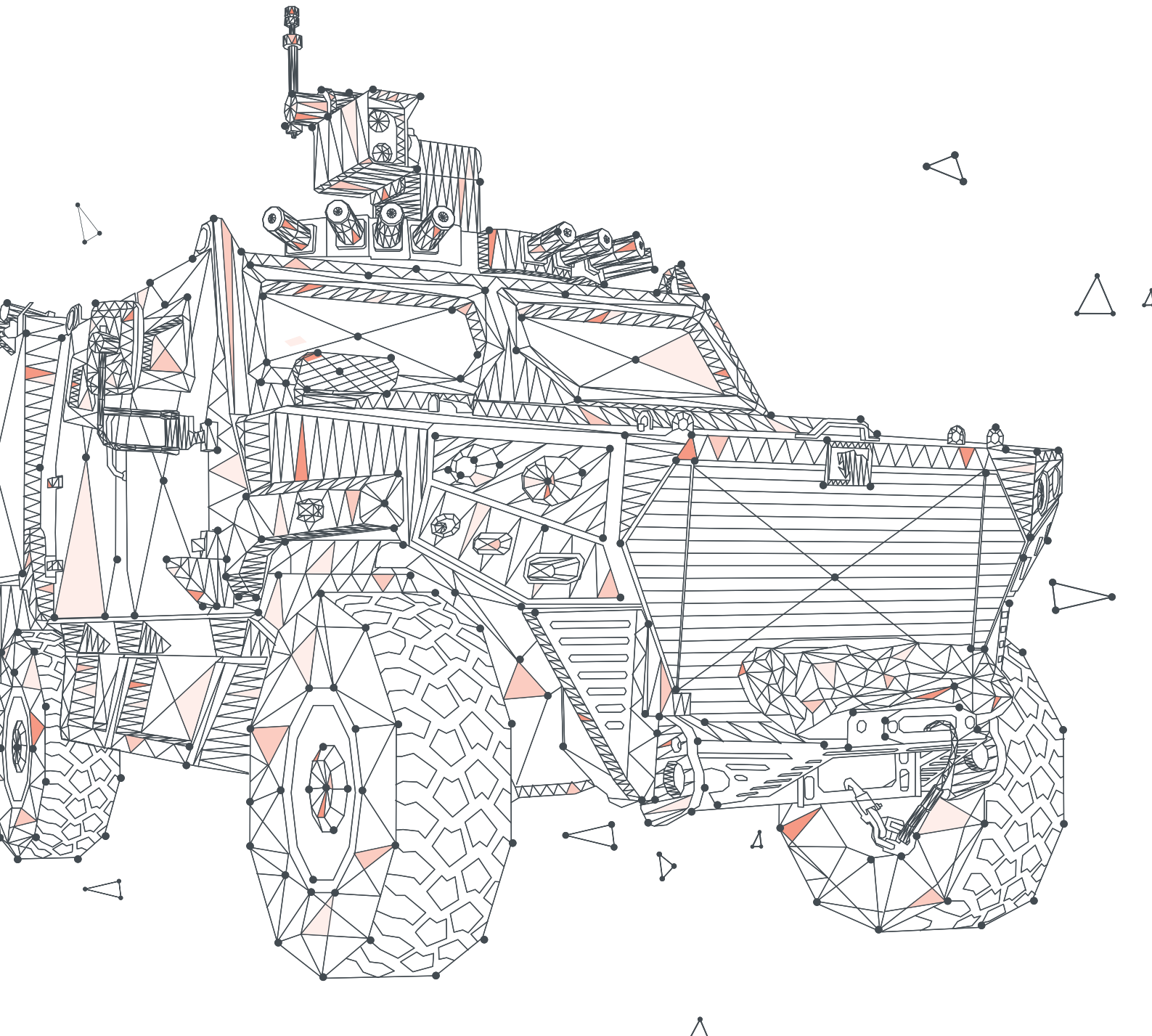
**LAND
SYSTEMS**

NIMR

AL JASOOR

LAND SYSTEMS

Enhancing frontline support with state-of-the-art light-, medium- and heavy-armoured vehicles designed for the harshest environments and ready to meet diverse mission requirements, from reconnaissance and patrol to transporting personnel or the wounded.





LAND SYSTEMS | AUTONOMOUS | 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



LAND SYSTEMS | AUTONOMOUS | 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 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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BROCHURE



LAND SYSTEMS | AUTONOMOUS | UGV PRODUCTS



ThEMIS CARGO CASEVAC

TheMIS Cargo Casualty Evacuation (CASEVAC) UGVs provide two capabilities: a means to effortlessly transport supplies, equipment and extra weapons to the mission area and rapid evacuation for urgent casualties from the point of injury to higher-level medical facilities.

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 | AUTONOMOUS | 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 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



HAVOC

The HAVOC Robotic Combat Vehicle (RCV) is a cutting-edge ground combat platform enhanced with intelligent functions and designed for modern warfare. Equipped with advanced AI-driven navigation, this vehicle excels in both offensive and defensive operations across diverse terrains. Its robust 8-wheel configuration offers superior mobility, stability, and load-bearing capacity, while a suite of integrated sensors and armament ensures precision and adaptability in high-risk combat environments.

Transmission: All wheel hybrid electric drive

Max. speed road: 110km/h

Max. speed off road: 50km/h

Range: 600 km

Ground clearance: 0.44m

Gradient: 60 %

Side slope: 40 %

Vertical step climb: 0.6m

Normal steering radius: 10m



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FLYER



LAND SYSTEMS - VEHICLES PRODUCTS

AL JASOOR



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BROCHURE



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VIDEO

RABDAN 8x8 INFANTRY FIGHTING VEHICLE

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

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

Transmission: Automatic, 6 +1 gears

GVW: up to 30,000kg

Max. speed: 105km/h

Max. amphibious speed: 9km/h

Crew capacity: Up to 12 personnel



LAND SYSTEMS - VEHICLES PRODUCTS

AL JASOOR



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BROCHURE



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VIDEO

RABDAN 6x6 INFANTRY FIGHTING VEHICLE

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

Engine: Turbo charged diesel engine 450hp

Transmission: Automatic

GVW: Up to 22500kg

Max. speed: 105km/h

Max. amphibious speed: >8 km/h

Crew Capacity: Up to 10, including driver and commander



LAND SYSTEMS - VEHICLES PRODUCTS

AL JASOOR



BROCHURE

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RABDAN RECOVERY

The Recovery Vehicle has a powerful 720 HP engine and is fully prepared to keep up with the armoured formations, manoeuvre in harsh terrains and intervene quickly and swiftly to perform its recovery mission on armoured military vehicle.

Gross Vehicle Weight: 40000kg

Growth Potential: 43500kg

Seating Capacity: Driver, commander, and 2 technicians

Length: (with recovery equipment) 10500mm

Width (with mirror folded): 3350mm

Height (with recovery equipment): 4050mm



LAND SYSTEMS - VEHICLES PRODUCTS

AL JASOOR



BROCHURE

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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 30.000kg

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



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BROCHURE

AJBAN MK2 CLASS

The AJBAN MK2 442A 432AU, 452A are 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



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BROCHURE

HAFEET MK2 CLASS

The 6x6 HAFEET MK2 632A and 63AU vehicle provides a multi-purpose platform for military requirements such as armoured personnel carrier, artillery application, ambulance or observation vehicle.

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



LAND SYSTEMS - VEHICLES

PRODUCTS

NIMR



FLYER

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VIDEO

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LRSOV

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

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

Engine power: 296 hp@ 2500 rpm

Engine torque: 1,100 Nm @ 1500 rpm

Transmission: 6-speed automatic

Cruising range: 700 km @ 100 kmph on highways

Gross weight: 9,000kg

Payload: 2,500kg

Maximum crew: 4



LAND SYSTEMS - VEHICLES

PRODUCTS

NIMR



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VIDEO

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JAIS CLASS

The JAIS MK2 offers enhanced protection for critical systems and improved mobility within the same overall weight class. Featuring a larger payload, internal crew capacity, and expanded external storage, its design prioritises ergonomics. It also boasts a reduced thermal signature and Electromagnetic Interference (EMI) compliance, elevating overall efficiency.

Engine power: 450hp/600hp

Engine torque: 1,850Nm / 1,900Nm

Maximum speed: 100km/h

Cruising range: 700km



EDGE

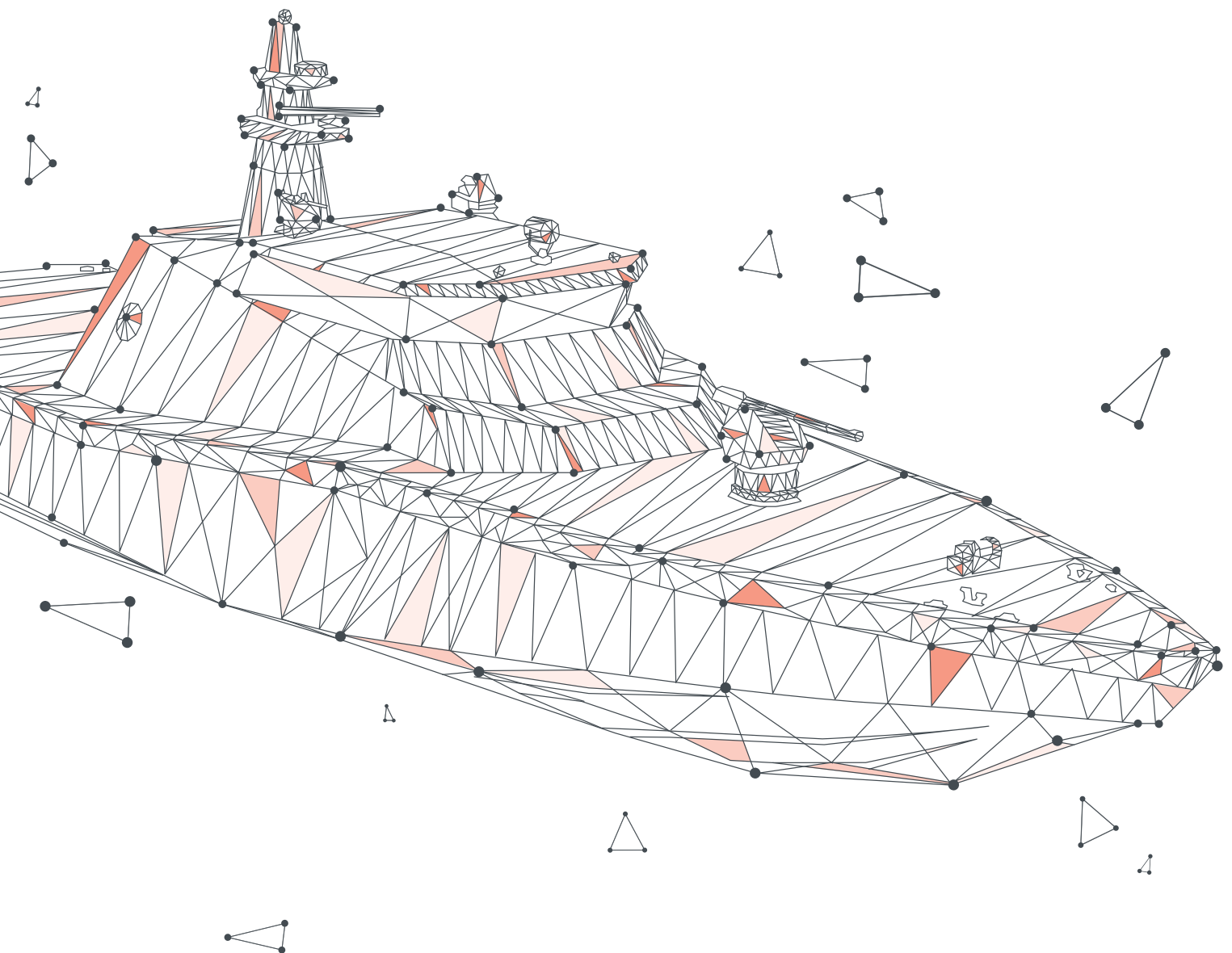


NAVAL SYSTEMS

ADSB
ABU DHABI SHIP BUILDING

NAVAL SYSTEMS

Delivering end-to-end maritime solutions and systems for military and civilian missions through design, engineering, new build, maintenance and related services. Meeting today's requirements, platforms range from Combattante and patrol vessels, floating landing pads and tugboats to houseboats and training cabins.





NAVAL | AUTONOMOUS | USV PRODUCTS

ADSB
ABU DHABI SHIP BUILDING



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

Beam OA: 3.10m

Draft: 0.52m approx.

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

Diesel: 2000l

Propulsion: Waterjet



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BROCHURE



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.

Complement (Manned): 4 crew

Engines: 2x 900hp diesel engines

Propulsion: 2x waterjets

Electric mode range (speed 5kt): 4 hours



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VIDEO



NAVAL
PRODUCTS

ADSB
ABU DHABI SHIP BUILDING



160 SEA PAD

The 16-metre SEA PAD offers exceptional support to offshore intelligence, surveillance and reconnaissance (ISR) operations by providing a landing pad for UAVs with a rotor diameter of up to 3.8 metres and by serving as an ideal platform for the launch and recovery of sonars.

LOA: 16.45m

Beam OA: 3.89m

Draft: 0.07m approx.

Speed: 25-30 kn

Complement: up to 25 crew

Propulsion: 2 x waterjets



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BROCHURE



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VIDEO



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: 44.22 m

Beam moulded: 8 m

Depth at midship: 4.60 m

Draught: 2.45 m

Speed @ full load: 26kn

Cruising speed: 14kn

Range at 14 knots: 1500nm

Complement: 20

Endurance: 5 Days

Propulsion system: 2 x FPP-Fixed Pitch Propellers



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FLYER



NAVAL
PRODUCTS

ADSB
ABU DHABI SHIP BUILDING



160 SEA KEEPER

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

LOA: 16.45m

BOA: 3.89m

Draft: 0.7m approx.

Range: 325 nautical miles

Propulsion: 2x waterjet



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

Beam OA: 3.89m

Draft: 0.70m approx.

Speed: 25-30 km

Complement: 30

Propulsion: 2 x waterjets



BROCHURE

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VIDEO

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**NAVAL
PRODUCTS**

ADSB
ABU DHABI SHIP BUILDING



120 FIP

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

LOA: 12.8m

Beam OA: 3.10m

Draft: 0.55m approx.

Load displacement: 8.00

Speed: 50+

Complement: 6-8 crew

Propulsion: 3 x 400hp outboard engines



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BROCHURE



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: 70.30 m

Beam moulded: 11 m

Depth at midship: 6 m

Draught: 3 m

Speed @ full load: 30

Cruising speed: 12 kn

Range at 14 knots: 1800 NM

Complement: 50

Endurance: 15 Days

Propulsion system: 2 x Waterjets



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BROCHURE



NAVAL
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: 62.70 m

Beam moulded: 9.50 m

Depth at midship: 4.45 m

Draught: 2.60 m

Speed @ full load: 25 knots (Max. speed)

Cruising speed: 16 knots

Range at 16 knots: 2,000 Nautical miles (~3,704 Km)

Complement: 39

Endurance: 14 Days

Propulsion system: 4xFPP (Fixed Pitch Propellers)



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BROCHURE



160 ITEP

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

LOA: 16.20m

BOA 4.30m

Draft: 0.88m approx.

Speed: 45+ kn

Propulsion: 2 x Waterjets / 4 x 400HP OB



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VIDEO



**NAVAL
PRODUCTS**

ADSB
ABU DHABI SHIP BUILDING



28M ASD TUGBOAT

The ADSB 28M ASD Tugboat provides towage, tailback towing, and hose handling services for ADNOC Petroleum Ports jetties and SPMs. Offering high manoeuvrability at slow speeds, a tight turning radius, operational in sea swells up to 6 feet and 24/7 operation, the tugboat also can assist with firefighting and search and rescue.

LOA: 31.5 m

Beam: 12.6m

Draft: 5m



OBSERVATION PLATFORM

LOA (m): 20m

Beam OA: 7m

Draft: 0.50m

Load displacement: 42 Tons

Speed: 12kn

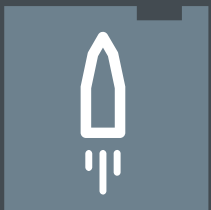
Complement: 12

Propulsion: 2x 300Hp OB

Range: 800

Weight: 42 Tons

EDGE



PRECISION GUIDED WEAPONS

ADASI

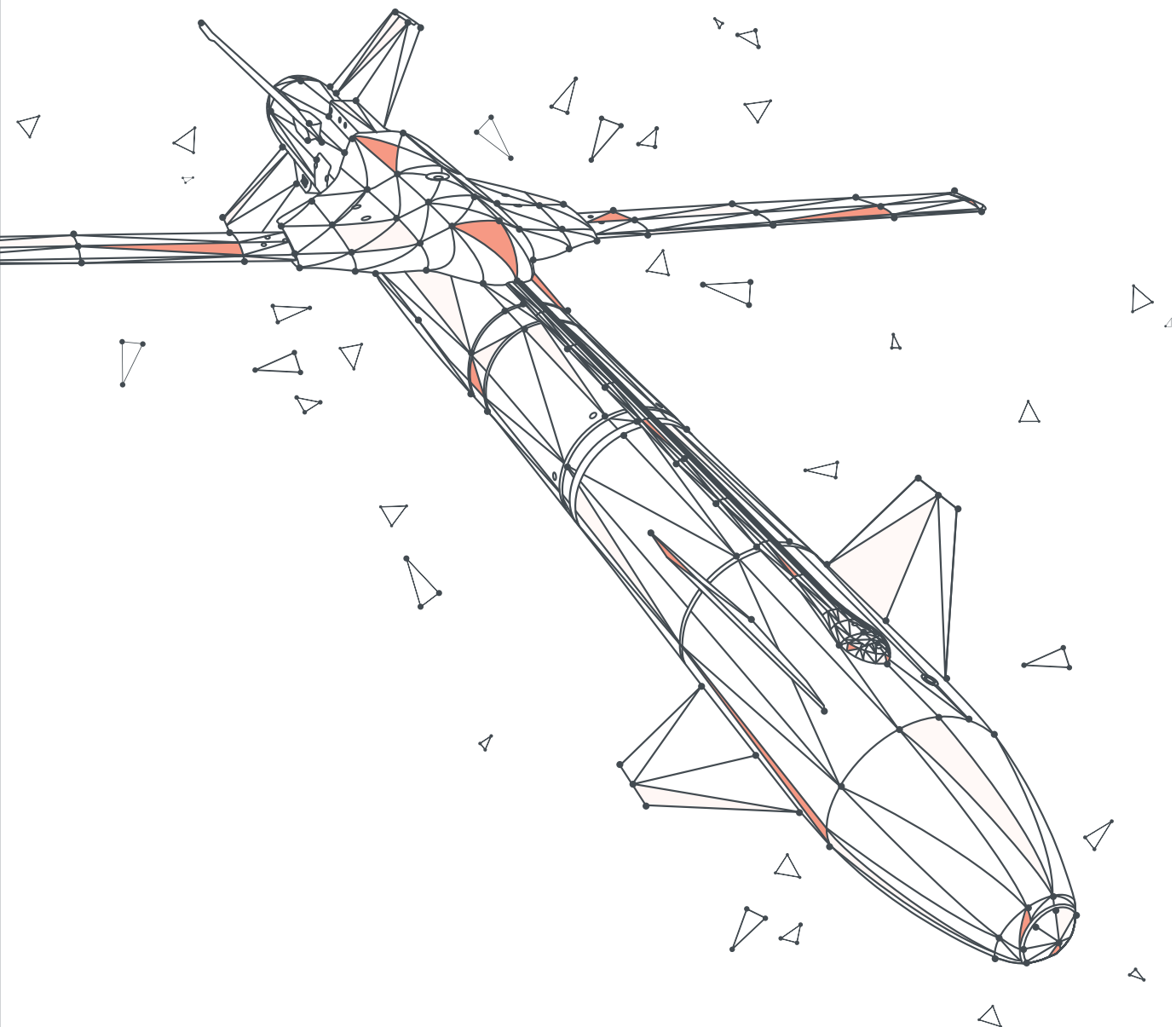
AL TARIQ

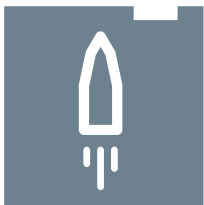
HALCON

SIATT

PRECISION GUIDED WEAPONS

Producing smart, modular munitions with multiple-option, precision-targeting capabilities in both short- and long-range format and multiple warhead options, as well as launcher units and carrying racks.





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 range up to 120km
- Modular with more than 20 configurations based on required missions
- Provide anti-jamming solutions
- Height of Burst sensor integrated



MISSILES & WEAPONS | AIRBORNE PRODUCTS

AL TARIQ



AL TARIQ LR – LONG RANGE

Stand-off range: up to 120km

Warhead: Mk81, Mk82, and Mk83

Guidance: GNSS/INS with IIR or SAL.

Wings installed

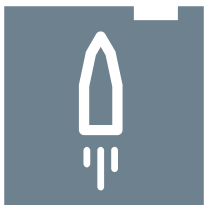


S – STANDARD RANGE

Stand-off range: up to 45km

Warhead: Mk81, Mk82, and Mk83

Guidance: GNSS/INS with IIR or SAL



MUNITIONS & AMMUNITIONS | AIRBORNE PRODUCTS

ADVANCED
CONCEPTS

NASEF 10

Cruise Speed: Up to 0.3 Mach (350 km/h)

Ceiling Altitude: 18,000 ft

Propulsion system: Jet Engine

Weight: 35 kg

Communication range: 100 km

Operation range: 150 km

Wingspan: 1.1m

Length: 1.4 m



BROCHURE

CLICK TO VIEW



BROCHURE

CLICK TO VIEW

NASEF 20

Cruise Speed: Up to 0.3 Mach (350 km/h)

Ceiling Altitude: 27,000 ft

Propulsion system: Jet engine

Weight: 70kg

Communication range: 100km

Operation range: 200 km

Wingspan: 1.4m

Length: 2.4m



MUNITIONS & AMMUNITIONS | AIRBORNE PRODUCTS

HALCON



FLYER

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G-70

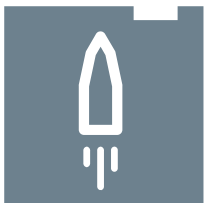
The ADVANCED CONCEPTS G70 Actuator is a self-contained fin actuation mechanism for the G70. Supporting precision guidance, the actuator incorporates a mechanical and electrical system, as well as motor control electronics.

Length: 250 mm

Diameter: 70 mm

Mass: 4kg

Max speed: 1080km/h



MISSILES & WEAPONS | AIRBORNE PRODUCTS

HALCON



FLYER

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THUNDER P31 / 32

The THUNDER P31 / 32 family is a portfolio of precision-strike guided glide weapons that deliver a long-range, high-accuracy air-to-surface strike capability using general-purpose MK-81 and MK-82 bombs. They are a cost-effective solution for close air support, interdiction, and deep-strike missions in contested environments.

- Static and moving target engagement (SAL versions)
- All-weather, day/night operation
- > 20 km stand-off release capability
- STANAG-3733-compliant SAL seeker
- MIL-STD-1760E digital interface
- Configurable fuse options (proximity/contact/penetration)
- Suitable for:
 - Mirage 2000
 - F-16
 - Rafale
 - UAVs
 - Light strike platforms such as A-29, B-250



FLYER

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THUNDER P-31/32 ER

The THUNDER P31/32 - ER family of guidance retrofit kits converts legacy general-purpose MK-81 and MK-82 bombs into precision stand-off glide munitions. The kits give operators a cost-effective solution for long-reach, high-accuracy strikes.

- Static and moving target engagement
- All-weather, day/night operation
- > 80 km stand-off release capability
- STANAG-3733-compliant SAL seeker
- MIL-STD-1760E digital interface
- Configurable fuse options (proximity/contact/penetration)
- Suitable for:
 - Mirage 2000
 - F-16
 - Rafale
 - UAVs
 - Light strike platforms such as A-29, B-250



MISSILES & WEAPONS | AIRBORNE PRODUCTS

HALCON



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THUNDER P-34

THUNDER P-34 is a modular guidance retrofit that converts legacy MK-84 general-purpose bombs into precision, stand-off glide munitions. Delivering affordable long-range strike capabilities with modern accuracy, this kit incorporates ruggedised electronics to ensure reliable performance.

Length: ~4.0 m

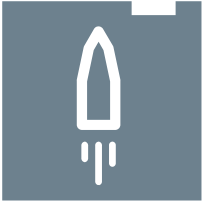
Diameter: ~410 mm

Max. range: Up to ~25 km

Max. launch altitude: 42,000 ft

Min. launch altitude: 12,000 ft

Navigation: GAINS + SAL



MISSILES & WEAPONS | AIRBORNE PRODUCTS

HALCON



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FLYER

DS-16

The DS-16 family is a versatile series of precision-guided, unpowered glide munitions that deliver cost-effective stand-off strike capability from both manned and unmanned aerial platforms.

DS-16 SAL / DS-16 GAINS

Max. Range, km: 16

Min. Range, km: 4

Max. Launch Altitude, ft: 30,000

Min. Launch Altitude, ft: 6,000

Accuracy, CEP, m: <3m (GAINS + SAL) <10m (GAINS)

Fuze Type & ESAD: Electro-mechanical Fuze

Launch Weight, kg: 23

Warhead Type: HE PFF

Launcher Interface: MIL-STD 1553 RS422



MISSILES & WEAPONS | AIRBORNE PRODUCTS **HALCON**



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FLYER

DS-25

The DS-25 is a long-range precision glide munitions designed to provide greater stand-off reach for missions requiring precision strikes against fixed high-value assets and moving targets, lightly armoured targets, soft-skinned vehicles and personnel.

Max. Range, km: 25

Min. Range, km: 1.7

Max. Launch Altitude, ft: 30,000

Min. Launch Altitude, ft: 6,000

Accuracy, CEP, m: <3m (GAINS + SAL) <10m (GAINS)

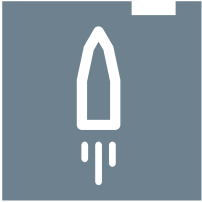
Fuze Type & ESAD: Electro-mechanical Fuze

Launch Weight, kg: 47

Warhead Type: HE PFF

Launcher Interface: MIL-STD 1553 RS422

Compatibility: MIL-STD-8591



MISSILES & WEAPONS | AIR DEFENCE PRODUCTS **HALCON**



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VIDEO

SKYKNIGHT GROUND-BASED MISSILE SYSTEM

The SkyKnight Ground-Based Missile System is a very short- to short-range inner-layer air defence solution that delivers rapidly deployable and comprehensive protection against a broad spectrum of asymmetric and conventional threats.

Missile Length: 2.2 m

Missile Diameter: 115 mm

Max. Speed, Mach: > 2

Max. Range (Missile): 10 km

Max. Range (Gun): 4 km

Intercept Ranges (missile), m:

Rotary Wing, UAV and CM: 10,000

Fixed Wing: 10,000 / 8,000

PGM: 6,000

RAM Threats: 4,000 m

Intercept Ranges (gun), m

FW/RW: 4,000

Mortars, small UAVs: 1,500

Navigation: INS, mid-course guidance



MISSILES & WEAPONS | AIR DEFENCE PRODUCTS **HALCON**



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FLYER

SKYKNIGHT NAVAL MISSILE SYSTEM (S-NMS)

The SkyKnight Naval Missile System is a very short- to short-range inner-layer naval air defence solution that provides comprehensive protection to naval and littoral assets against asymmetric and conventional threats.

Length, m: 2.2 m

Diameter, mm: ~110 mm

VLP Dimensions, mm (for 32 missiles): L x W x H: ~3000 x ~3000 x ~2600

Max. Speed, Mach: > 2

Max. Range, km: 10 km

Intercept Ranges, m

Fixed Wing: 10,000 / 8,000

Rotary Wing, UAV and CM: 10,000

PGM: 6,000

RAM Threats: 4,000



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: 2.5 kg

Maximum Altitude: 15,000 ft

Maximum Launch Range: 9 km

Fuse Type: Impact

Guidance: GPS INS



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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 with Munition: 14.5 kg

Maximum Altitude: 25,000 ft

Maximum Launch Range: 24 km

Fuse Type: Impact

Guidance: GPS INS



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MISSILES & WEAPONS | AIRBORNE PRODUCTS ACASI



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 with Munition: 15 kg

Maximum Altitude: 25,000 ft

Maximum Launch Range: 23 km

Fuse Type: Both Impact and Proximity

Guidance: GPS INS



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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 with Munition: 33 kg

Maximum Altitude: 25,000 ft

Maximum Launch Range: 23 km

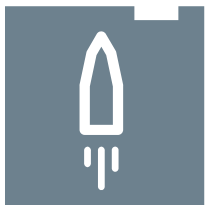
Fuse Type: Both Impact and Proximity

Guidance: GPS INS



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MISSILES & WEAPONS | AIRBORNE PRODUCTS ADASI



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DARK WING / DARK WING ER

The ADASI Dark Wing family is a high-speed, cost-effective surface attack munition offering standard (200-kilometre) and extended range (300-kilometre) ranges. Launched from air or ground, the precision-guided munition features a modular design for interchangeable seekers and payloads, enabling flexible ground attack missions on strategic targets.

DARK WING

Dimensions (LxWxH): (2.9m x 1.8m x 0.4m)

Range: 200 km

Payload: 25 kg, 50 kg, 100 kg

Altitude: >15,000 ft

DARK WING ER

Dimensions (LxWxH): (3.9 m x 1.8 m x 0.4 m)

Range: 300 km

Payload: 25 kg, 50 kg, 100 kg

Altitude: >15,000 ft



MISSILES & WEAPONS | AIRBORNE PRODUCTS

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SABER

The SABER Precision-Guided Missile is a long-range, air-launched cruise missile designed for deep-strike, high-value targets across land and sea domains. Employing advanced guidance and control systems, SABER delivers exceptional accuracy and lethality against command centres, radar installations, air-defence sites, infrastructure, and moving surface targets.

Length: ~4,8 m

Diameter: ~700 mm x ~700 mm

Cruise speed: Mach < 0.8

Max. range: 290 km

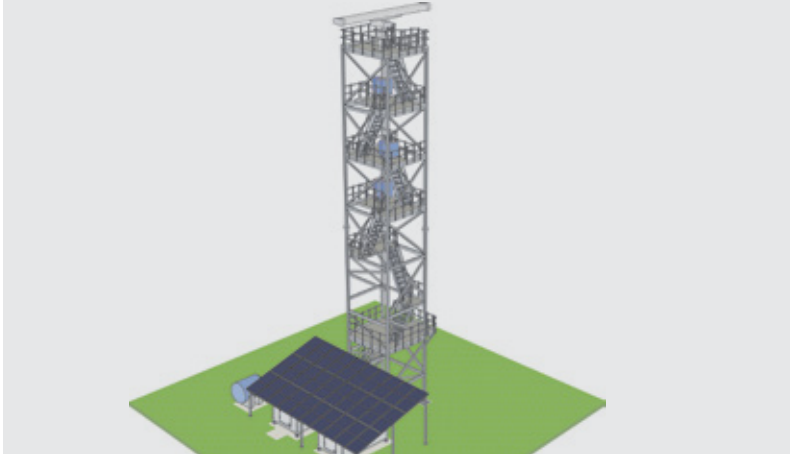
Max. launch altitude: 40,000 ft

Navigation: INS, GAINS, VBN, TRN

Accuracy: CEP < 3 m



MISSILES & WEAPONS | SURFACE PRODUCTS **SIATT**



FLYER

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CSS - COASTAL SURVEILLANCE STATION

The SIATT CSS Coastal Surveillance Station is a multi-story land-based tower that provides real-time maritime and littoral monitoring, communication and security via an observation post equipped with advanced surveillance and communication technologies.

- Surveillance radar
- Optical and infrared cameras
- AIS vessel and ADS-B aircraft identification



MISSILES & WEAPONS | SURFACE PRODUCTS **SIATT**



FLYER

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MAX 1.2 AC

The SIATT MAX 1.2 AC is a surface-to-surface, anti-tank missile system that is lightweight and portable enough to be soldier-carried. This high-kill weapon has both laser beam rider and command-to-line of sight. Easy to use and featuring rapid set-up, the MAX 1.2 AC also is compatible with thermal imaging systems and delivers a range of 500 m to 3.2 km.

- High kill probability (92%)
- Easy to use with quick setup
- Lightweight portable system
- Resistant to countermeasures
- Resistant to jamming
- Reduced maintenance requirements



MISSILES & WEAPONS | SURFACE PRODUCTS SIATT



FLYER

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MANSUP-ER

The SIATT MANSUP-ER is a versatile, long-range, surface-to-surface antiship missile system with land attack capability. Not only does the system offer a range of more than 200 km, but it also features adaptive sea skimming and overland flight, terminal manoeuvres, salvo attack, and simultaneous (time-on-target) missiles attack.

Length: 4.90 m

Diameter: 350 mm

Maximum wingspan: 1,135 mm

Range: +200 km

Speed: Transonic

Navigation: Inertial + robust GNSS aided

Terminal guidance: Jamming-resistant, active radar seeker

Propulsion: Turbojet + solid propellant booster

Payload: 150 kg warhead

MANSUP

The SIATT MANSUP system is a surface-to-surface anti-ship missile with land attack capability that provides a new resource to mission planners and those responsible for coastal defence. The MANSUP launcher platform can be mounted on ships or land vehicles.

Length: 5.78 m

Diameter: 350 mm

Maximum wingspan: 1,135 mm

Range: 70 km

Speed: Transonic

Navigation: Inertial

Terminal guidance: Jamming-resistant, active radar seeker

Propulsion: Solid propellant

Payload: 150 kg warhead



EDGE



MUNITIONS & AMMUNITION

LAHAB
DEFENCE SYSTEMS

ADVANCED
CONCEPTS

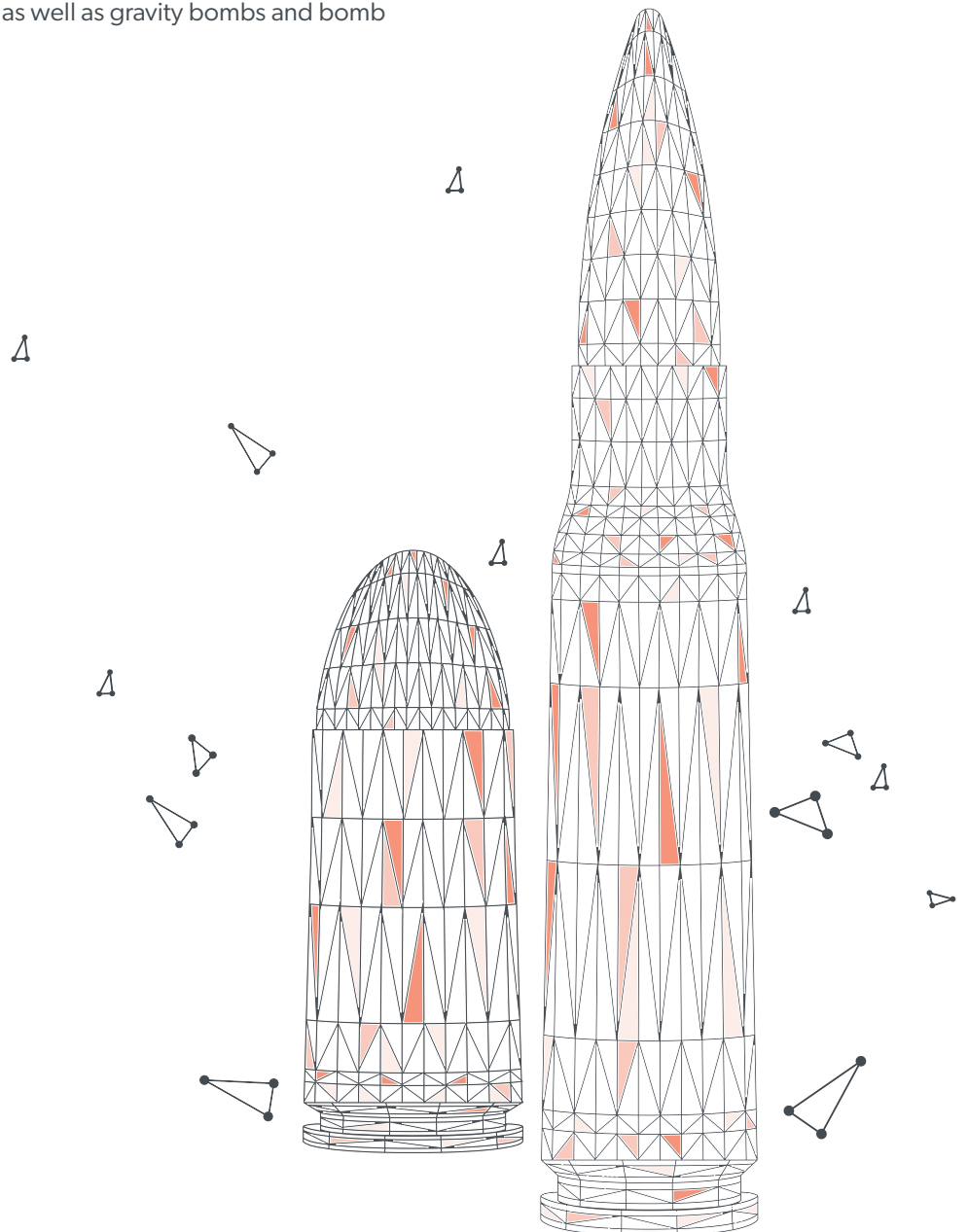
HALCON

CONDOR

CARACAL
LIGHT AMMUNITION

MUNITIONS & AMMUNITION

Helping infantry and air forces hit the mark with munitions and ammunition for a wide range of large-calibre weapons, such as grenade launches and mortar launchers, as well as gravity bombs and bomb kits.





MUNITIONS & AMMUNITIONS | AMMUNITION PRODUCTS

LAHAB
DEFENCE SYSTEMS
للأنظمة الدفاعية



BROCHURE

CLICK TO VIEW



CORPORATE VIDEO

CLICK TO VIEW

GRENADES

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



MORTARS

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



MUNITIONS & AMMUNITIONS | AMMUNITION PRODUCTS

LAHAB
DEFENCE SYSTEMS
للأنظمة الدفاعية



CLICK TO VIEW

BROCHURE



CLICK TO VIEW

CORPORATE VIDEO

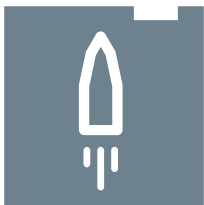
ARTILLERY AMMUNITION

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



AIRCRAFT BOMBS

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



MUNITIONS & AMMUNITIONS | AMMUNITION PRODUCTS

HALCON



CLICK TO VIEW

FLYER

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



SMALL ARMS | AMMUNITION
PRODUCTS - SMALL CALIBRE
CARACAL
LIGHT AMMUNITION



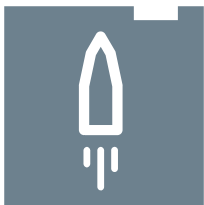
BROCHURE

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At CARACAL LIGHT AMMUNITION, we offer highly efficient, high-volume production capability in the UAE, supported by world-leading components and complemented by the ability to handle multiple customisation requests.

Quality is built in to every stage of our product development process, with regular testing and inspection throughout the innovation cycle. From our state-of-the-art ballistics test area and chemical laboratory, to our materials testing laboratory and proof ranges, we have the resources to innovate and manufacture small arms products with the highest precision and most consistent reliability

- 9 x 19mm Blank (MIL-SPEC Standards)
- 9 x 19mm Ball equivalent to (M882) (NATO and MIL-SPEC Standards)
- 5.56 x 45mm Blank (M200) (MIL-SPEC Standards)
- 5.56 x 45mm Ball (M855) (NATO and MIL-SPEC Standards)
- .223 (55 Grains) (MIL-SPEC Standards)
- 5.56 x 45mm Tracer (M856) (NATO and MIL-SPEC Standards)
- 7.62 x 51mm Blank (M82) (MIL-SPEC Standards)
- 7.62 x 51mm Ball (M80) (NATO and MIL-SPEC Standards)
- 7.62 x 51mm Tracer (M62) (NATO and MIL-SPEC Standards)
- 12.7 x 99mm /.50 BMG Ball (M33) (NATO and MIL-SPEC Standards)
- 12.7 x 99mm /.50 BMG Tracer (M17) (NATO and MIL-SPEC Standards)
- 12.7 x 99mm /.50 BMG API (M8) (NATO and MIL-SPEC Standards)
- 12.7 x 99mm /.50 BMG API-T (M20) (NATO and MIL-SPEC Standards)



MUNITIONS & AMMUNITIONS | NON-LETHAL AMMUNITION

PRODUCTS

CONDOR



BROCHURE

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GRENADES

Condor produces specialised grenades for both indoor and outdoor use. Both types use a dual-stage system on rubber-bodied grenades that ejects the trigger before the main charge explodes.

The grenades incorporate multiple rubber spheres, with different products to control crowds in different settings and situations. Some grenades feature powerful stun and impact charges; others produce dense smoke. Both types also can incorporate lachrymatory and pepper components.



BROCHURE

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PYROTECHNICS

Due to their high-deterrent power, Condor's controlled-impact munitions, including rubber bullets, provide an effective, last-step non-lethal alternative to conventional ammunition in crowd-control settings. Condor rubber bullets for use against individuals and groups are available in 12 mm, 37/38 mm and 40 mm calibre.

Condor's lachrymatory, pepper and smoke ammunition has been developed for launch over obstacles, such as walls and barricades, to disperse disruptive crowds. Ammunition is available in 12 mm, 37/38 mm, 37/40 mm and 40 mm calibre. Condor also has developed ammunition for use in 40 mm launchers to provide forces with greater flexibility, and higher accuracy and effectiveness.



MUNITIONS & AMMUNITIONS | NON-LETHAL AMMUNITION PRODUCTS

CONDOR



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BROCHURE

AMMUNITION

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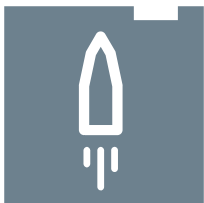


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BROCHURE

BODYCAM

The Condor Cop-Eye is an enhanced bodycam that integrates advanced facial recognition and OCR (optical character recognition) technologies for rapid identification of persons of interest – a valuable tool when operating in complex environments or at large events.



MUNITIONS & AMMUNITIONS | NON-LETHAL AMMUNITION PRODUCTS

CONDOR



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BROCHURE

LAUNCHERS

Condor launchers have been developed to fire the entire range of 37/38 mm, 37/40 mm and 40 mm ammunition. This ensures security forces and others involved in crowd control, law enforcement or security operations have the flexibility to deploy the full range of munitions, as required by each unique incident requirement.

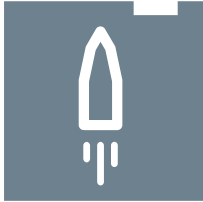


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BROCHURE

SPRAYS

Condor pepper and tear sprayers are designed for self-defense, crowd control and crime fighting. The action of the agents in Condor products is immediate, causing the involuntary closing of the eyes and an intense sensation of burning in the eyes, mouth, nose and throat.



MUNITIONS & AMMUNITIONS | NON-LETHAL AMMUNITION

PRODUCTS

CONDOR



BROCHURE

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SPARK

Condor's Spark is an incapacitating conducted electrical device (CED) that sends electrical pulses at distance from two probes connected to an isolated copper wire. Featuring safe ejection, SPARK acts directly on the neuromuscular system, causing strong muscular contractions, allowing law enforcement to temporarily incapacitate a suspect.



BROCHURE

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DRONES

The Condor Drop is a high-precision, remote airdrop delivery system for non-lethal technologies. It provides a safe standoff distance for law enforcement and also increases safety for targets.

EDGE

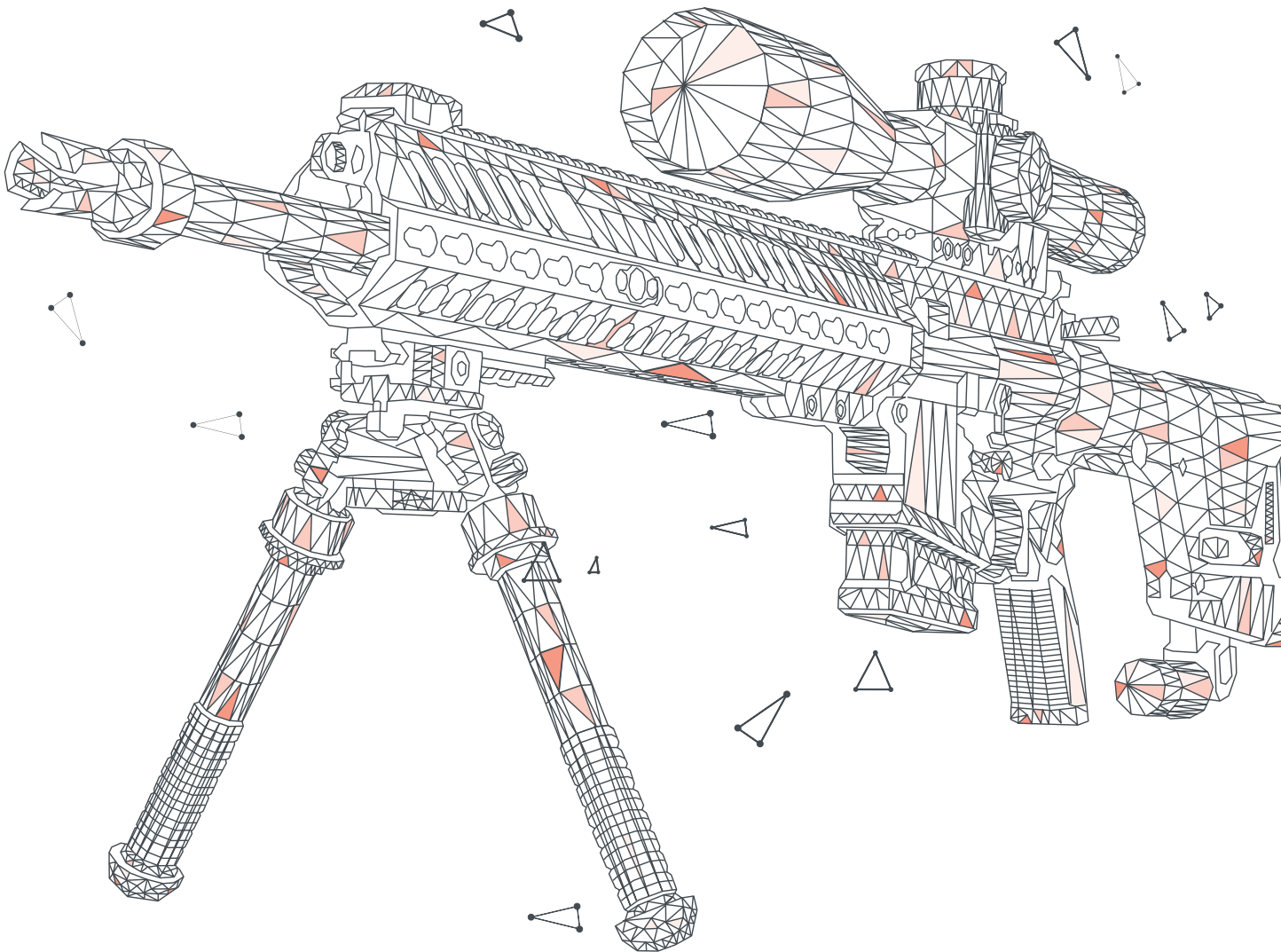


SMALL ARMS

CARACAL

S M A L L A R M S

Designing, testing and manufacturing high-performance small arms tailored to the requirements of law enforcement, security organisations, and military forces, as well as for the civilian sporting enthusiast.





SMALL ARMS | INFANTRY PRODUCTS CARACAL



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FLYER

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



CLICK TO VIEW

FLYER

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



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VIDEO



SMALL ARMS | INFANTRY PRODUCTS CARACAL



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FLYER

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



CLICK TO VIEW

FLYER

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



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VIDEO



SMALL ARMS | INFANTRY PRODUCTS **CARACAL**



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FLYER

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



CLICK TO VIEW

FLYER

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



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VIDEO



SMALL ARMS | 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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FLYER



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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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FLYER



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VIDEO



SMALL ARMS | INFANTRY PRODUCTS CARACAL



FLYER

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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

CLICK TO VIEW

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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SMALL ARMS | 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)

EDGE



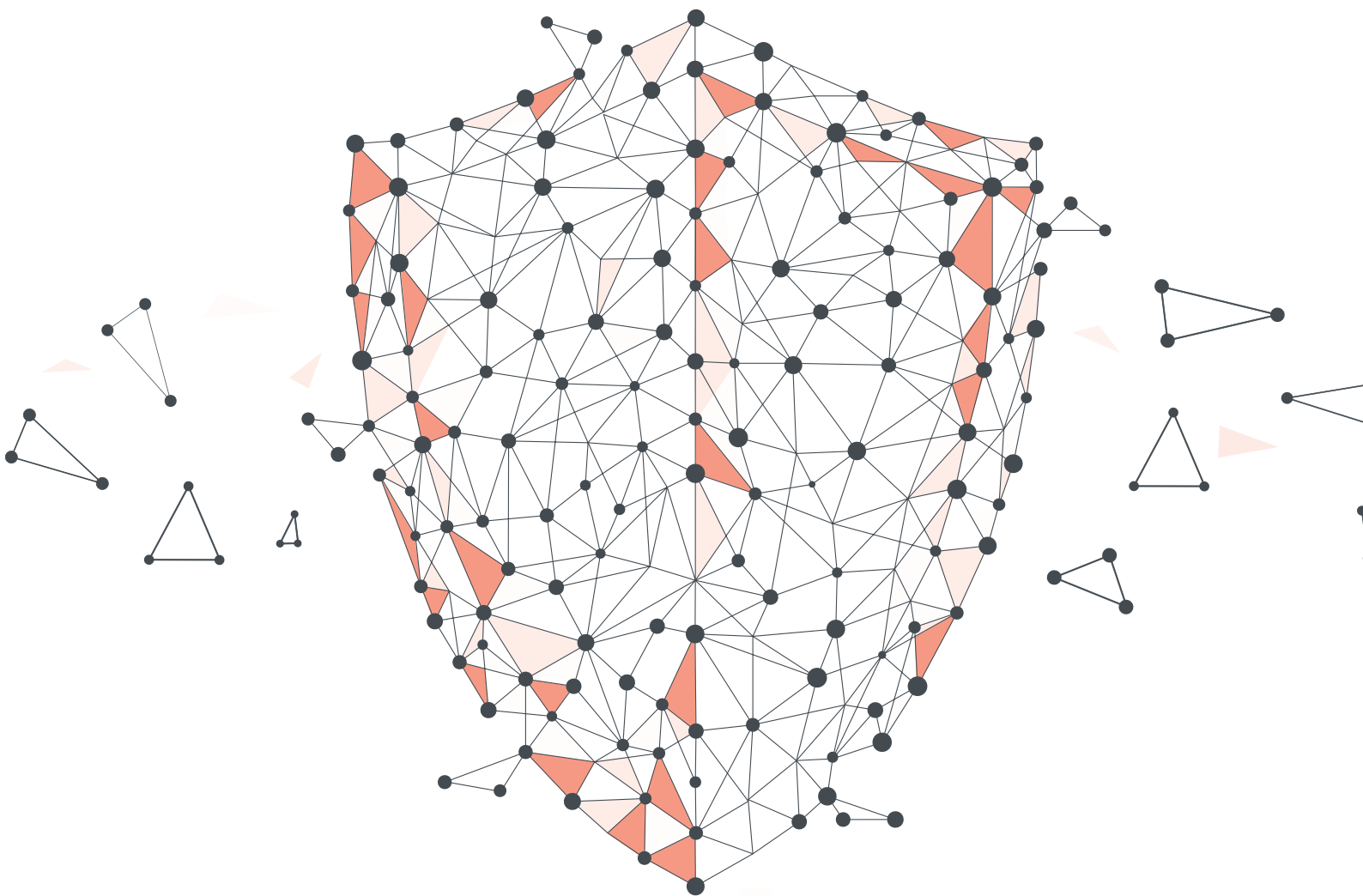
CYBER DEFENCE & SECURE COMMUNICATIONS

KATIM

ORYXLABS

CYBER DEFENCE & SECURE COMMUNICATIONS

Keeping communication and data safe through cryptography, cipher development, cyber-force training, security operations centres, network protection software, and more, as well as delivering ultra-secure networking hardware, software and smartphones.





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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BROCHURE



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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BROCHURE



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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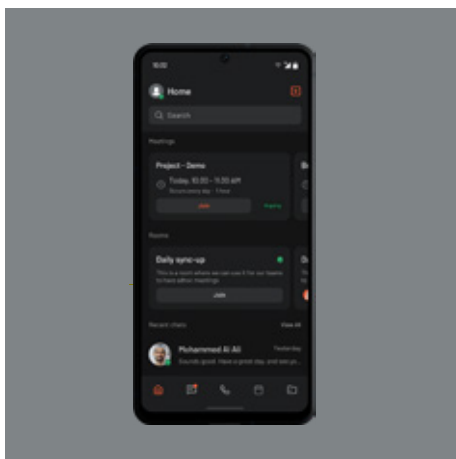
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CYBER DEFENCE & SECURE COMMUNICATIONS

PRODUCT

KATIM



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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BROCHURE



KATIM GATEWAY X9000-M

The KATIM GATEWAY X9000-M is a pocket-sized, high-assurance network encryption gateway for VVIP government and military users who need secure, mobile connectivity with multi-network flexibility.

- Encryption: Hardware-accelerated Layer 2/3 encryption supporting UAE national algorithms, AES-256, Suite B and PQC; FIPS 140-3 and Common Criteria compliant
- Endurance: Up to 24-hour battery life
- Connectivity: 5G/4G, Wi-Fi, and Ethernet input; Wi-Fi 6 AP, dual LAN, and USB-C output
- Protection: AI-driven, built-in geofencing, network trust scoring, and real-time threat alerts
- Integration: KATIM Gateways and KATIM X3M secure devices



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BROCHURE



CYBER DEFENCE & SECURE COMMUNICATIONS

PRODUCT

KATIM



KATIM X3M

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 X3M ultra-secure smartphone.

- Qualcomm QCM8550
- KATIM OS
- 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



BROCHURE

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KATIM SATCOM ELECTRONIC PROTECTIVE MODEM (EPM)

KATIM Satellite Communication EPM Modems are indispensable tools for organisations that require secure, resilient, and reliable communication in environments where threats such as jamming, interference, or cyber-attacks are prevalent. By investing in these advanced technologies, organisations can safeguard their operations, ensure data integrity, and maintain continuity even in the most challenging conditions and hostile environments.

- L Band interface (950MHz to 3150MHz)
- Waveform Modes: PSK Mode, DVB-S2X Mode
- EPM: FH > 1000 hops/sec
- MIL-STD 810, MIL-STD 461 compliant
- Operating Temp: -40°C to +60°C
- Power consumption: < 60W
- Weight: < 12kg



BROCHURE

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CYBER DEFENCE & SECURE COMMUNICATIONS

PRODUCT

KATIM



KATIM GROUND SATELLITE COMMUNICATION SYSTEM

The KATIM Satellite Communication On-the-Move (SOTM) terminal solution enables seamless, real-time communication for tactical Beyond-Line-of-Sight (BLOS) networks. It provides secure, high-speed connectivity for mobile operations, ensuring uninterrupted data, voice, and video communication in challenging environments.

- Ku band frequency
- EIRP 44dBW
- G/T 10dB/K
- Embedded Antenna Control Unit
- MIL-STD 810, MIL STD 461 compliant
- Operating Temp: -10°C to +55°C
- Power consumption: 400W
- Weight: 58kg



KATIM TACTICAL MOUNTED SDR RADIO

KATIM's Tactical Mounted SDR Radio is a robust and versatile communication solution designed for vehicle-mount applications. Supporting both MANET and point-to-point communication, this SDR-based architecture radio excels in harsh environmental operations. Its dual-channel RF bearer capability ensures seamless crossbanding between two frequency bands, making it the ideal choice for tactical datalink applications.

- Operating Frequency 30MHz to 2700MHz
- RF Output (100W V/UHF, 50W L/S)
- Waveform Supported: PSK, OFDM
- MANET Supported
- 2x2 MIMO Configuration
- Channel Bandwidth: Narrowband (Up to 75KHz), Wideband (Up to 8MHz)
- Embedded Encryptor Module
- Supports H.265, G.729
- Interface: N-type (RF), Ethernet (Data/Management)
- MIL-STD 810, MIL-STD 461 compliant



CYBER DEFENCE & SECURE COMMUNICATIONS PRODUCT ORYXLABS



BROCHURE

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DISCOVERY

THE FUTURE OF EXPOSURE MANAGEMENT

DISCOVERY, an award-winning platform helps critical entities gain visibility into their external attack surface and public enterprise digital assets. It is used by nation-scale level organizations to continuously monitor and identify vulnerabilities, misconfigurations, and other security issues 24x7x365.

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

UNIQUE FEATURES

- **Exposed asset mapping:** Perform automated full mapping of exposed assets. Get visibility into domains, sub-domains, hosts, asns, netblocks, mail servers, name servers etc. Identify and map relationships.
- **Technology stack:** Get full visibility into the entity technology stack. Using inhouse ~12k rules we can identify over 80k technology platforms. Additional details like open ports, dns, iocs are also available.
- **Issues identification:** Get visibility into vulnerabilities at host, app and cohosting level. Coverage of over 150k known cves along with details of various security misconfigurations.
- **Breached credentials:** Cover over 3800+ up-to-date global breaches to identify 25b+ breached credentials (username, cleartext passwords, hashes, breach name among others).
- **Typosquatted domains:** Use machine learning to identify domains that are similar to entity domains and can be used for malicious purposes (phishing, typosquatting).
- **Actionable insights:** Provide actionable insights to the leadership team via variety of dashboards, remediation overviews and infrastructure change timelines.



CYBER DEFENCE & SECURE COMMUNICATIONS PRODUCT ORYXLABS

DISCOVERY CIP

DISCOVERY CIP is a next-generation Critical Infrastructure Protection (CIP) platform, integrating data from various sources into a unified common operational picture interface that supports real-time situational awareness, decision-making, collaboration and rapid response for the protection of vital assets.



BROCHURE

[CLICK TO VIEW](#)

UNIQUE FEATURES

- **Multi-Source Data Integration** - Collects structured and unstructured data from physical, security, cyber, OT, and external systems into a unified operational monitoring interface.
- **Detection of Operational Anomalies** - Monitors real-time sensor and system behavior against baselines to flag abnormal readings or activity requiring operator review.
- **Event and ALARMS Correlation** - Correlates alerts and events data from multiple systems based on time, location, and type to identify related or simultaneous threat activity.
- **Time Event Analysis** - Provides time-related visual playback of past sensor events, alerts and alarms to support review of ongoing or resolved incidents.
- **Centralized Incident Logging** - Maintains a structured repository of all detected incidents, storing associated alerts, timestamps, metadata, and operator actions.
- **Root Cause Analysis Tools** - Tracks the event sequence that led to an incident, helping operators trace causes across systems, configurations, or operator actions.
- **Automated EVENTS Classification** - Uses defined logic and data inputs (asset value, location, incident type) to calculate severity level and recommend appropriate response.
- **Integrated Alert Prioritization** - Ranks alerts based on asset criticality, and severity — reducing false positives and helping teams focus on incidents that matter most.



CYBER DEFENCE & SECURE COMMUNICATIONS PRODUCT ORYXLABS



BROCHURE

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VIDEO

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DNS FIREWALL

SIMPLIFY DNS BASED SECURITY

DNS FIREWALL, an award-winning platform protects users from malware, unauthorized or inappropriate web content and taking actions in real time to mitigate malicious threats and 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-premises and remotely operated computers, tablets, smart sensors and equipment – ensuring those endpoint devices do not access dangerous website.

Implemented from a single software platform, 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

- **Malicious host identification:** Enhance defense in depth by blocking endpoints from accessing malicious hosts like c2 domains, malware, phishing, ransomware, spyware sites. Filter dga activity & block newly registered domains.
- **Content restrictions:** Allow clients to block access to domains based on parameters like content categories (e.G. Social media, gambling, sports, religion etc.), Geolocation, privacy etc. Configure allow and block lists.
- **Quarantine:** Allow clients to perform a triage after an incident to identify devices that accessed a malicious domain and quarantine them
- **Easy deployment:** Easy deployment that reduces downtime. Supports various mdm applications for smooth deployment.



CYBER DEFENCE & SECURE COMMUNICATIONS PRODUCT ORYXLABS



FLYER

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CYBER360

COMPLIANCE AT SCALE

CYBER360, an award-winning compliance platform that helps organizations to evaluate compliance to various cybersecurity standards (UAE IA, ISO 27001, PCI-DSS, NIST800-53 among others.), track gaps and identify areas requiring greatest focus.

With CYBER360, you can streamline your cybersecurity processes, identify, and mitigate risks, and maintain compliance - all from a single and integrated platform.

Our user-friendly interface and powerful features make it easy for your team to stay ahead of emerging threats and enhance the security maturity of your organization.

UNIQUE FEATURES

Uncover the comprehensive capabilities of CYBER360 that empower your organization to streamline cybersecurity processes, identify and mitigate risks, and maintain compliance with ease.

- **Comprehensive cybersecurity management:** Gain full visibility into your organization's cyber security posture. Track, manage and monitor status across various security controls.
- **Easy regulatory compliance:** Automate compliance assessments and reporting against various industry standards, including UAE Information Assurance (IA) Regulation, ISO 27001, PCI DSS, among others.
- **Scalable and flexible:** Scale effortlessly as your organization grows. Drive automated technical assessments via integration with our automated Cyber Exposure Management platform DISCOVERY.
- **Expert support and guidance:** Access to a dedicated team of cybersecurity experts based in the UAE, with excellent understanding of organization's GRC needs and trends.



CYBER DEFENCE & SECURE COMMUNICATIONS PRODUCT **ORYXLABS**



ECHO

ECHO is a zero-touch, state-of-the-art breach detection and intelligence platform, delivering actionable insights into the material impact of security breaches. Leveraging tailored training data and machine learning, it tracks, monitors, and neutralizes threat actors without requiring additional hardware, software, agents, or endpoints.

UNIQUE FEATURES

- **Malicious Command & Control (C2) Disruption**
 - Detects and disrupts malicious C2 infrastructures before they can cause harm.
 - Provides actionable intelligence for proactive defense against C2 threats.
- **Threat Infrastructure Detection & Mitigation**
 - Uses machine learning to identify and neutralize malicious infrastructure.
 - Detects emerging risks from global threat data and blocks early-stage attacks.
- **Customized Cyber Defense Capabilities**
 - Ensures rapid detection, containment, and remediation of cyber intrusions.
 - Monitors sophisticated threats with advanced techniques to strengthen security.
- **Real-Time Exfiltration Discovery**
 - Discovers real-time exfiltration of credentials, PII, and sensitive data at scale
 - Monitors global exfiltration attempts from supply chains and trusted partners.



CYBER DEFENCE & SECURE COMMUNICATIONS

PRODUCT

ORYXLABS

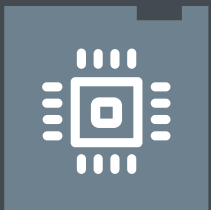
DARK EYE

DARK EYE monitors the dark web, Telegram, and vulnerable infrastructure for threat intelligence, asset discovery, and brand protection. It identifies data leaks, impersonation, malware, and stolen credentials from underground forums, Telegram groups, marketplaces, and hidden criminal channels. Threat intelligence feeds, malware libraries, and vulnerability data help teams detect risks early and strengthen proactive defense strategies organization-wide.

UNIQUE FEATURES

- **Dark Web Monitoring**
 - Monitor stolen data, credentials, and malware-infected users automatically.
 - Track dark web mentions, breached emails, and look-alike domains.
- **Threat Intelligence**
 - Access threat actor profiles, malware, IOCs, YARA & SIGMA rules.
 - Get ransomware, APT, vulnerability, and suspicious IP intelligence feeds.
- **Brand Protection**
 - Detect phishing, fake apps, typo domains, and social media abuse.
 - Monitor executive profiles, send takedown requests, and integrate via API.
- **Attack Surface Management**
 - Discover external assets, scan for vulnerabilities, and report exposures.
 - Monitor supply chain, secrets leaks, and manage risk scoring system.

EDGE



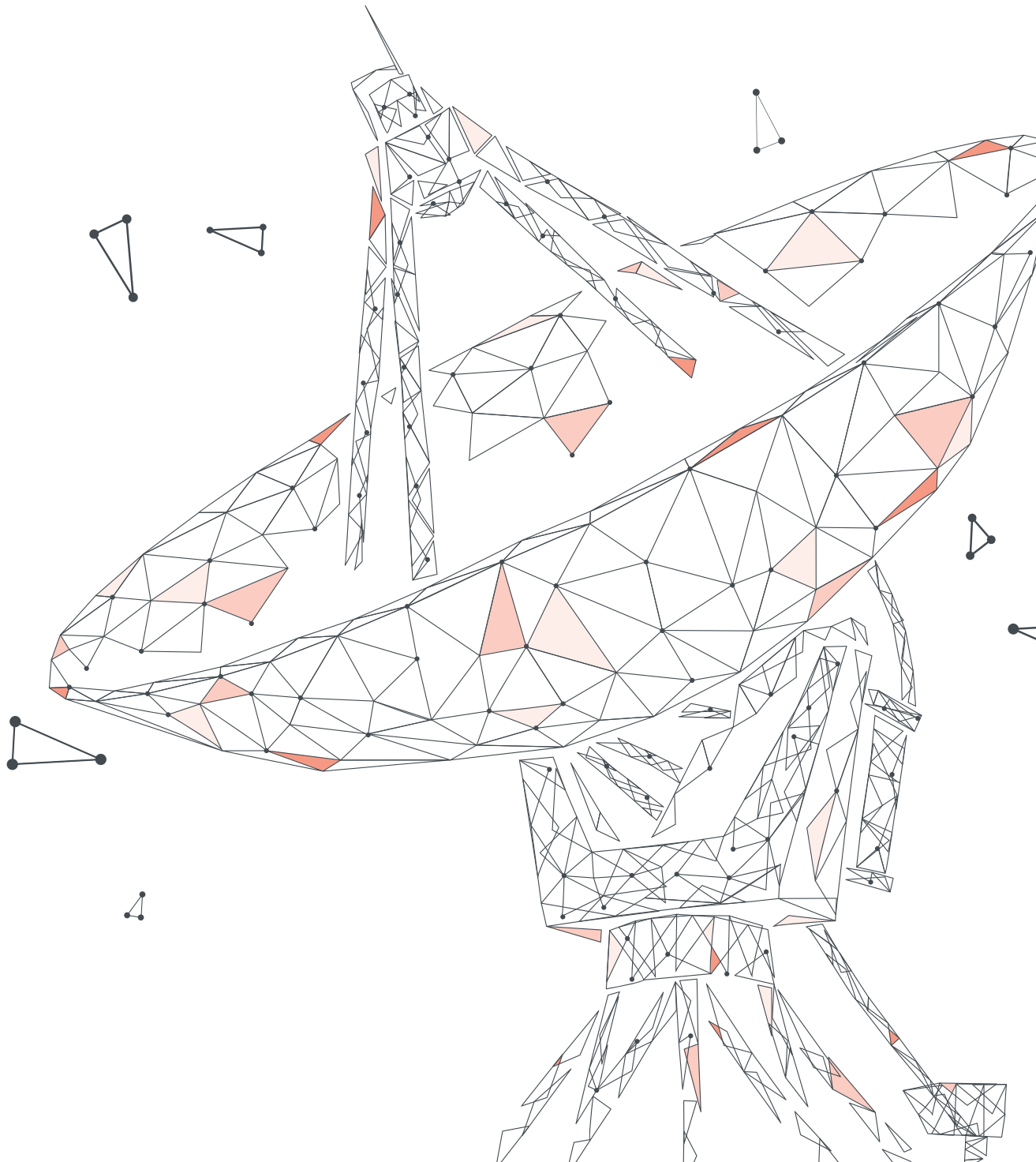
ELECTRONIC WARFARE

SIGN4L

HIGH LANDER

ELECTRONIC WARFARE

Leveraging the electromagnetic spectrum to achieve mission success and protect valuable assets across air, land and sea by disrupting, denying and exploiting enemy capabilities, whether drones, guided munitions and missiles, or other kinetic and non-kinetic threats.





ELECTRONIC WARFARE | ELECTRONIC ATTACK PRODUCTS **SIGN4L**



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BROCHURE



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VIDEO

V - PROTECT

The SIGN4L V-Protect is a state-of-the-art, mobile, active/reactive high-power jammer system designed to protect vehicles, particularly against remote-controlled improvised explosive devices (IEDs) and drones. This system enables jamming of all common terrestrial and drone RF signal technologies.

Featuring a typical jamming ratio for single threats of $31:1$ and up to 16 wideband jammers for simultaneous operation across all bands, this powerful system is fully self-contained on the vehicle once installed.

- Mobile operation. Installed in a vehicle
- Jamming of all frequencies associated with radios, walkie-talkies, mobiles and Wi-Fi within the operating bands (20 MHz to 6 GHz)
- Up to 16 wideband jammers for simultaneous operation across all bands
- Combination of active and re-active jamming for maximum coverage range
- Typical jamming ratio for single threats $\geq 1:1$



ELECTRONIC WARFARE | ELECTRONIC ATTACK PRODUCTS **SIGN4L**



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BROCHURE

NAVCONTROL

The NavControl system is a stationary installation that consists of high-power jammer and spoofer subsystems operating within the GNSS frequency bands.

This system effectively safeguards borders and strategic locations against UAV attacks from a long distance.

- Jams full range of GNSS spectrum
- Spoofs GNSS signals in multiple bands to protect a specified area of interest
- Combination of jamming and spoofing capability for maximum coverage range
- Typical jamming and spoofing range for unprotected GNSS platform is 50km.



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BROCHURE

D-PROTECT

The Drone-Protect (D-Protect) System is an advanced RF and GNSS jamming solution with spoofing designed specifically for drone control. With its powerful capabilities, this system provides effective countermeasures against unauthorized drones, ensuring enhanced security and control in sensitive areas.

- Jams full range of GNSS spectrum
- Jams drone's command & control channels
- Spoofs commercial GNSS spectrum to protect a specified area of interest
- Combination of jamming and spoofing capability for maximum coverage range
- Typical jamming range for unprotected GNSS platform is up to 10km
- Typical jamming range for command-and-control channels is 2:1 from drone's remote control



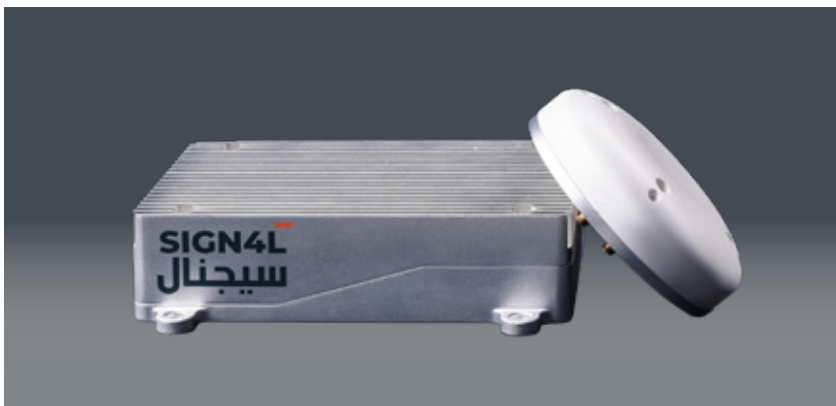
ELECTRONIC WARFARE | ELECTRONIC PROTECTION PRODUCTS **SIGN4L**



GPS-PROTECT 2

GPS-Protect uses advanced digital signal processing and array antenna technology to effectively protect user's GNSS receivers from RF interference signals and / or strong-jamming signals

- Designed for countering a Narrow Band (NB) and a Broadband (BB) jammer
- Compact Anti-Jamming module
- Three antenna options
- Works with legacy GNSS L1 receivers
- Powered with 12VDC through RP-SMA female connector
- Easy installation



BROCHURE

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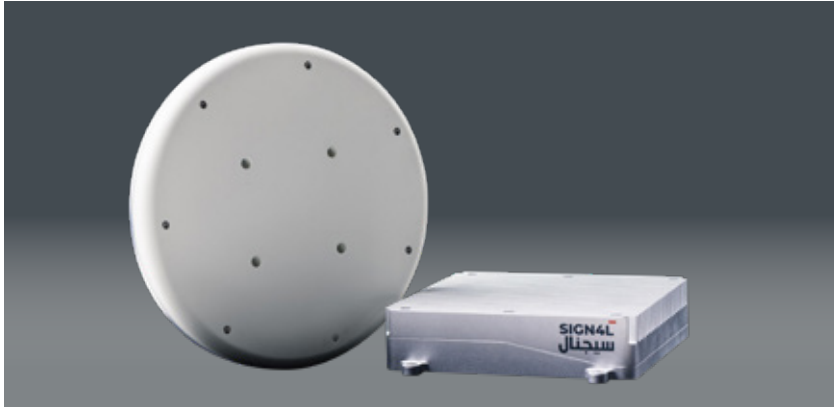
GPS-PROTECT 4

GPS-Protect uses advanced digital signal processing and array antenna technology to effectively protect user's GPS receivers from RF interference signals.

- Designed for countering Narrow Band (NB) and Broadband (BB) jammers
- Anti-jamming module provided in the ruggedized mechanical housing designed to withstand harsh environments
- Antenna enclosure customized to best fit specific platforms
- Works with legacy GPS receivers
- Easy installation



ELECTRONIC WARFARE | ELECTRONIC PROTECTION PRODUCTS **SIGN4L**



BROCHURE

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GPS-PROTECT 8

The SIGN4L GPS-Protect 8 uses advanced digital signal processing and array antenna technology to effectively protect GPS receivers from RF interference and/or strong jamming signals. With a ruggedised form factor and customisable antenna enclosure, the GPS-Protect 8 is ideal for aircraft, vehicles, vessels and guided weapons.

- Counters narrow band (NB) and broadband (BB) jammers
- Anti-jamming module provided in ruggedised mechanical housing designed to withstand harsh environments
- CRPA antenna enclosure can be customised to best fit specific platforms
- Works with legacy GPS receivers
- 8 antenna array elements
- Installation in aircraft, vehicles, vessels and guided weapons



BROCHURE

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BORDERSHIELD

The SIGN4L BORDERSHIELD is an autonomous surveillance system that provides integrated persistent awareness and security for border protection. The solution offers a tactical edge by providing target detection and identification.

- Target detection and identification
- Target location
- Cellular identification
- Support for GSM, UMTS, LTE and 5G NSA
- High-end scanner supporting 2G/3G/4G/5G
- Continuous detection of cellular identities with smart switching of antenna sectors



ELECTRONIC WARFARE | ELECTRONIC PROTECTION PRODUCTS **SIGN4L**



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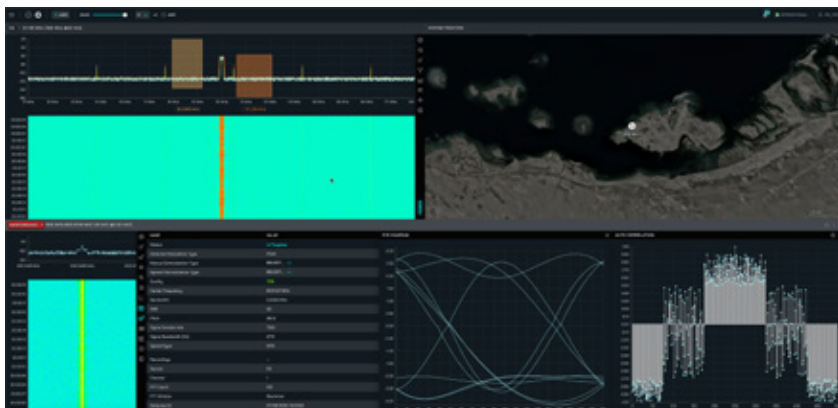
ACTIVECELL-SAR

Airborne High Power Cellular System containing ActiveCell-SAR unit, antennas and ICD. This system allows Search and Rescue (SAR) capabilities, including detection, monitoring and location capabilities over 2G (GSM), 3G (UMTS), 4G (LTE) and 5G NonStandalone (NSA) network technologies

- Designed for installation in manned or unmanned aerial platforms
- Easy to use
- Up to 8 high power base stations for simultaneous transmission across all available networks



ELECTRONIC WARFARE | ELECTRONIC PROTECTION PRODUCTS **SIGN4L**



COMINT

A comprehensive solution, designed to capture and analyze signals across a wide frequency range, including UHF/VHF frequencies.

- Real-time tracking signals of interest
- Frequency Range 20MHz – 6000MHz
- Tactical System User Interface
- 2 Channel Instantaneous Capture



COMJAM

Communication Jammer for Fixed site or Mobile Electronic Warfare and Radio Monitoring systems where primary detection of narrow-band and spread-spectrum signals is countered by wide band Jamming Capabilities.

- Communication jammer of RF spectrum from 20MHz to 6GHz.
- Typical jamming ratio for single threats $\geq 10:1$
- Intuitive Command & Control software for effective operation



ELECTRONIC WARFARE | ELECTRONIC PROTECTION PRODUCTS **SIGN4L**



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SKYSHIELD

State of the art counter UAV solution, designed for fixed deployment in a compact, environmental cabinet. It is a highpower RF and GNSS jamming system designed to jam drone frequencies.

- Detect and follow UAVs, enabling threat identification and tracking
- Jams full range of GNSS spectrum & Jams drone's command & control channels
- Spoofs commercial GNSS spectrum to protect a specified area of interest
- Combination of jamming and spoofing capability for maximum coverage range
- Typical jamming range for unprotected GNSS platform up to 10 km.
- Typical jamming performance for command-and-control channels is 2:1 from drone's remote control
- Standalone air-conditioned cabinet



ELECTRONIC WARFARE | ELECTRONIC PROTECTION

PRODUCTS

SIGN4L



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ECHO 360

ECHO 360 system is an advanced technology solution that accurately determines the direction of threats by detecting, identifying, location and tracking radio signals.

When used alongside SIGINT, the ECHO 360 system - which features seven-channel instantaneous capture - supplies accurate information for actionable enemy communication interception.

- Frequency Range 100MHz – 6GHz
- Tactical System User Interface
- 160MHz Instantaneous Bandwidth
- High Performance, Integrated, Low Power <150Watt
- 7 Channel Instantaneous Capture



ELECTRONIC WARFARE | ELECTRONIC PROTECTION PRODUCTS **SIGN4L**



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SKYSHIELD-TM

SKYSHIELD TM is a state-of-the-art, trailer-mounted counter-UAS solution that is ideal for quick mobile deployments that combine jamming and spoofing for reliable point protection with the option of external power source for fixed deployment operation.

Detect and identify UAS platforms

- Jams the full GNSS spectrum and drone's command and control channels
- Spoofs the full commercial GNSS spectrum to protect a specified area of interest
- Typical jamming range for unprotected GNSS platform up to 10 km (medium range coverage)
- Typical jamming performance for command-and-control channels is 2:1 from drone's remote control



ELECTRONIC WARFARE | ELECTRONIC PROTECTION PRODUCTS **SIGN4L**



BROCHURE

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SKYSHIELD QD

The SIGN4L SKYSHIELD QD is a state-of-the-art, 4x4 vehicle-mounted counter-UAS solution that is ideal for quick mobile deployment to on-road and offroad locations with the option of external power source for fixed deployment operation.

- Detect and Identify UAS and aerial targets
- Jams full range of GNSS spectrum
- Jams drone's command & control channels
- Spoofs full range of commercial GNSS spectrum to protect a specified area of interest
- Combination of jamming and spoofing capability for maximum coverage range
- Typical jamming range for unprotected GNSS platform up to 10 km
- Typical jamming performance for command-and-control channels is 2:1 from drone's remote control
- Mobile operation. Installed in a vehicle, the system is fully self-contained, with the option of external power source for fixed deployment operation



ELECTRONIC WARFARE | COMMAND & CONTROL PRODUCTS

HIGH LANDER



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VEGA UNCREWED TRAFFIC MANAGEMENT (UTM)

Vega UTM provides 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 airspace managers use to make informed decisions, including drone flight plans and ID, real-time telemetry, NFZs, weather conditions, and more.

FEATURES INCLUDE:

- **Live monitoring and identification:** Gathers data from a range of sources to display telemetry on a real-time map and enable conformance monitoring via a central platform.
- **Flight plan approvals:** Provides a central portal for pilots to submit flight plans and autonomously approves, denies or alters them for safe and efficient traffic management at scale.
- **Geo-awareness:** Enables airspace managers to seamlessly define and share airspace constraints for dynamic airspace control.
- **Tactical deconfliction:** Dynamic conflict prevention, preventing problems that arise mid-mission.
- **NCTR:** Integrates with drone radar and soft-kill solutions for complete airspace control and protection of sensitive sites.



ELECTRONIC WARFARE | COMMAND & CONTROL PRODUCTS

HIGH LANDER



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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 fleets carry them out autonomously - or take direct command from anywhere in the world.

With no limit to the number of drone missions the platform can run simultaneously, 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.

FEATURES INCLUDE:

- **Payload control:** Direct control of drone hardware from the dashboard - gimbal adjustment, delivery units, speakers, microphones, etc.
- **Cockpit mode:** Manual 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 for sharing with third parties as required.
- **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.
- **Collision avoidance:** Real-time monitoring and automated navigation adjustments to prevent mid-air conflicts.

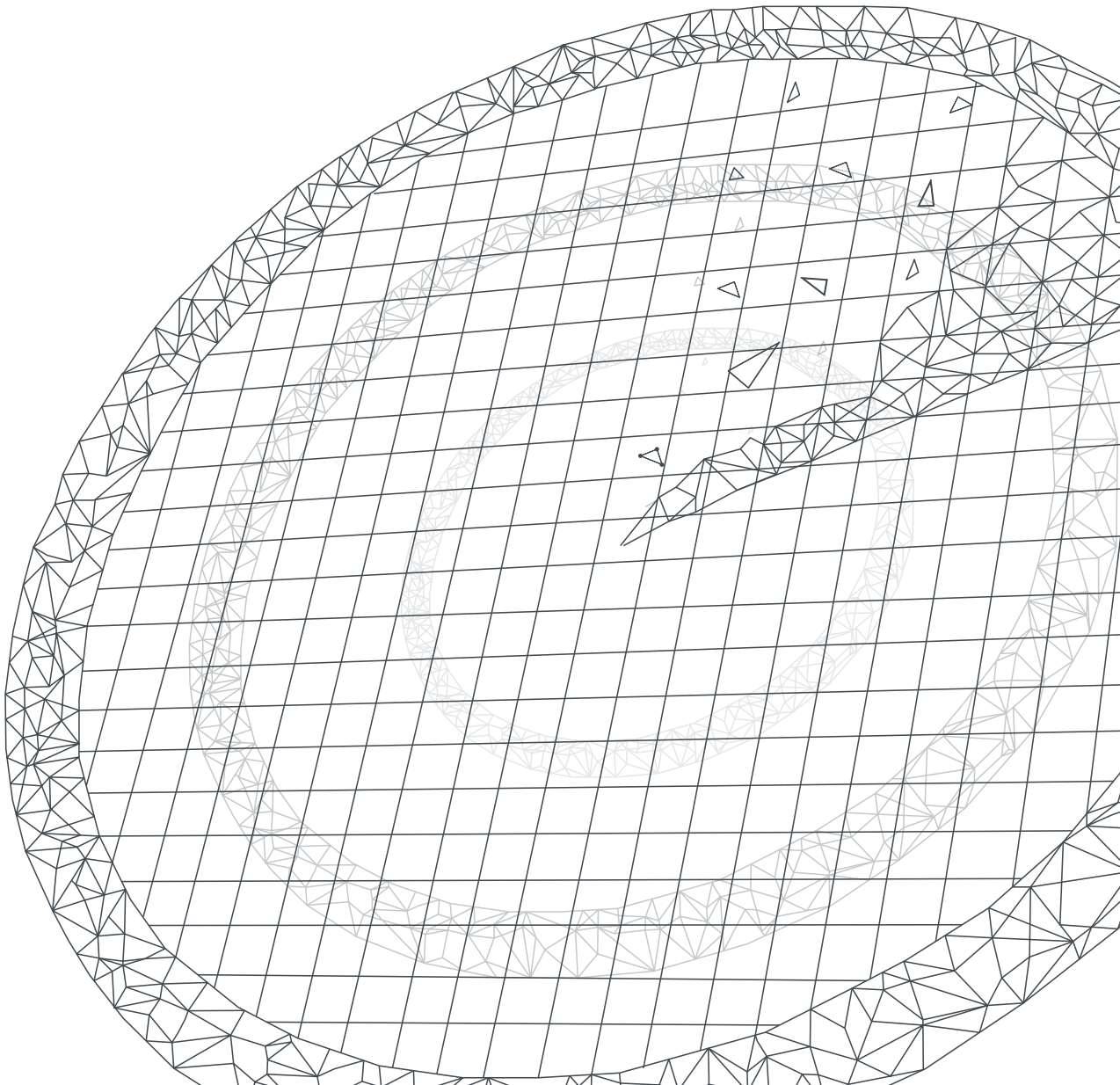
EDGE



RADARS & ELECTRO OPTICS

RADARS & ELECTRO OPTICS

Empowering intelligence, surveillance and reconnaissance (ISR), as well as offensive and defensive guidance and targeting through advanced radar and electro-optical systems that meet the needs of defence, security and public safety entities.





RADARS & ELECTRO OPTICS

PRODUCT

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KASHIF 600

The KASHIF 600 is a compact and lightweight electro-optical stabilized, gimballed tactical system designed for UAVs and ground robotics. It provides exceptional reconnaissance, surveillance, and tracking, making it the perfect solution for tactical military operations.

- Compact weight of 2.74 kg.
- 250 mm height and 180 mm diameter.
- 2-axis stabilized gimbal.
- Motion range of 360° pan and -10° to +80° tilt.
- Uncooled Longwave IR camera with continuous focus.
- Eye-safe laser range finder.
- High resolution day camera.



RADARS & ELECTRO OPTICS PRODUCT EDGE



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KASHIF 700

The KASHIF 700 is a compact and lightweight electro-optical stabilized, gimballed tactical system designed for UAVs and ground robotics. It excels in reconnaissance, surveillance, targeting and tracking, making it an ideal solution for tactical military operations.

- Compact weight of 4.4 kg.
- 280 mm height and 350 mm diameter.
- 2-axis stabilized gimbal.
- Motion range of 360° pan and +10° to -80° tilt.
- Laser designator and eye-safe laser range finder.
- Uncooled Longwave IR camera with 7x optical zoom.
- High-definition day camera.



RADARS & ELECTRO OPTICS PRODUCT EDGE



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FLYER

MIRSAD X

MIRSAD X is a gyro-stabilized multi-spectral electro-optics imager. Equipped with cutting-edge image processing, it enables real-time detection, tracking, localization, and targeting of objects of interest.

Ideal for supporting laser-guided munitions and general maritime and border surveillance, the MIRSAD X system integrates seamlessly into various ground and naval platforms.

- Cooled Mid-Wave IR camera with continuous zoom.
- High power laser designator and eye-safe laser range finder.
- Shortwave IR and visible spotters.
- Full high-definition day camera.
- 2-axis gyro-stabilized pedestal.
- Motion range of 360° pan and -20° to +70° tilt.



RADARS & ELECTRO OPTICS PRODUCT EDGE



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FLYER

MIRSAD NG

MIRSAD NG is an advanced land system designed for automatic detection, recognition, and identification in various environmental conditions. It is optimized for maximum sensor range performance, using highly sensitive sensors and advanced video enhancement algorithms. The system can be integrated with other solutions, providing a comprehensive approach to defence and homeland security operations.

- Cooled Mid-wave IR camera with continuous optical zoom.
- Compact Shortwave IR spotter.
- Wide and Narrow FOV Full High-Definition Day Camera
- 2-axis Gyro-stabilized pedestal.
- Motion range of 360° pan and -35° to +20° or -10° to +70° tilt.
- Laser pointer and optional Eye-safe laser range finder.



RADARS & ELECTRO OPTICS PRODUCT EDGE



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MIRSAD R

The MIRSAD R is a cutting-edge, multi-spectral electro-optical system designed for long-endurance UAVs, fixed-wing aircraft, helicopters, and vertical take-off and landing vehicles. It delivers superior four-axis gyro-stabilized imagery, multi-spectral capabilities, advanced image processing, and a laser designator, providing precise geo-localization for optimal surveillance, reconnaissance, and target acquisition.

- Large common aperture and multispectral spotter telescope: MWIR NFOV spotter, Day spotter and SWIR spotter.
- High-definition Mid-wave IR camera with continuous zoom.
- Full high-definition day camera.
- Advanced Laser Target Designator Range Finder.
- Precise Laser pointer and illuminator.
- Gyro-stabilization 4-axis gimbal.
- Motion range of 360° pan and -120° to +90° tilt.



RADARS & ELECTRO OPTICS PRODUCT EDGE



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FLYER

TRACK EYE 80/100

The Technology & Innovation TRACK EYE, in 80mm and 100mm diameter versions, is an electro-optical, infrared, stabilised, gimbaled tactical system for drones, offering a very small payload of less than 0.4 or 0.6 kg. It delivers precision stabilisation and both day and night capabilities.

- Small tactical payload for drones
- Precision stabilisation
- Day and night capabilities
- Robust design built to withstand harsh environments
- Real-time data transmission



RADARS & ELECTRO OPTICS PRODUCT EDGE



FLYER

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ALQ-500P

The ALQ-500P is an ESM/ECM airborne pod that features state-of-the-art DRFM and ECM techniques. Compatible with fixed- and rotary-wing aircraft and both supersonic fighter and low-speed UAV flight profiles, the ALQ-500P can protect a wide range of aerial platforms from diverse radar-guided threats.

Dimensions (L x W x H): 3.3 m x 0.45 m x 0.42 m

Aircraft type: Fixed wing (fighter, transport, mission), Rotary wing and UAVs (medium/big)

Weight: 290 kg

Power consumption: 2.1kVA (115VAC 400Hz) 30W (28VDC)

Frequency range: 2-18 GHz

Other characteristics: State-of-the-art DRFM and ECM techniques



RADARS & ELECTRO OPTICS

PRODUCT

EDGE



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FLYER

NEMUS COMPACT

Nemus Compact is a multi-threat AESA (active electronically scanned array) radar suitable for use in active protection systems (APS), counter-UAS systems, and intelligence, surveillance, target acquisition and reconnaissance applications across both air and land domains.

- 360° angular and 90° elevation
- Light, compact and portable
- Countermeasure agnostic, easy integration
- 4D radar (DTRMs solid-state based)
- Electro-magnetic saturated environments resistant
- Digital AESA radar
- Digital beamforming
- Fully digitised: high-speed data processing
- Data source for surveillance and mission systems
- High resolution and high precision
- 5th module for top-attack protection



RADARS & ELECTRO OPTICS PRODUCT EDGE



FLYER

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MTR-1

The MTR-1 Radar provides multifunction AESA radar for ground-based air defence simultaneous 360° surveillance capabilities up to 50 km for a range of aerial defence solutions, including air surveillance, weapon location and fire ranging, threat tracking and classification and drone detection.

- Full Digital AESA in S-Band
- Extended use of ECCM capabilities
- Multifunction operation for search, track, engage and kill assessment
- Operation in ground-fixed, on-the-move and naval platforms
- Architecture design for high availability in remote areas



RADARS & ELECTRO OPTICS PRODUCT EDGE



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NEMUS

Nemus is a multi-threat AESA radar and active protection system for counter UAS and ISTAR systems. Light, compact and made for on-the-move, this system handles detection, identification and tracking for diverse incoming threats, including UAVs, ATR, ATGM, RPG & kinetic energy ammunition. Offering easy integration, it is countermeasure agnostic.

- 360° angular & 90° elevation
- Made to be on-the-move
- Light and compact
- 4-D radar (TRMs solid state-based)
- Electro-magnetic saturated environments resistant
- Resistance to unfavourable environmental conditions
- Digital AESA radar
- Detection, identification & tracking
- Data source for surveillance and mission systems
- Aerial and land surveillance
- High resolution and high precision
- UAVs, ATR, ATGM, RPG & kinetic energy ammunition
- Fully Digitalized: high-speed data processing
- 5th module for Top Attack protection
- Future proof: smart technology for counter-APS systems
- Multiple simultaneous hostile fire detection
- Countermeasure agnostic, easy integration



RADARS & ELECTRO OPTICS PRODUCT EDGE



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TAWAQ-S

TAWAQ-S is a ground-based 3-D surveillance radar suited for border protection, coastal surveillance, and counter rocket, artillery and mortar (C-RAM) use. With four panels, it provides 360° coverage.

This S-band staring array radar features a high update rate to provide persistent surveillance and tracking over critical geographic areas, whether land or sea borders, or other high-value locations.

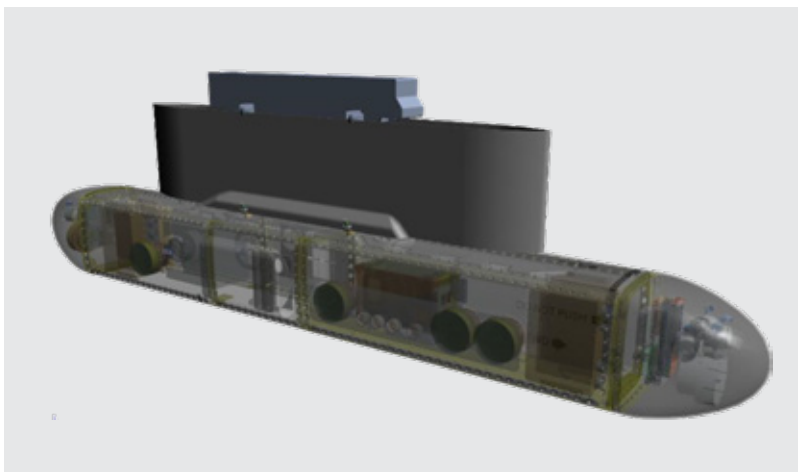
- Modern, compact, software defined
- High update rate
- Staring array radar
- Classification
- Multipath mitigation



RADARS & ELECTRO OPTICS

PRODUCT

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AMES-P

The EDGE AMES-P Tactical Reconnaissance Pod is a compact electronic intelligence system with ESM, ELINT, and RWR capabilities, including both increased sensitivity and equivalent detection range for pulsed and continuous wave (CW) signals.

Installation: Under belly (recommended) or wing station

Lugs: Standard 30 in

Dimensions (LxWxH): 3300 cm x 38 cm x 42 cm

Weight: 284 kg

Compatibility: MIL STD 1289D, pylon SUU 62 and BRU 32

Certification: Subsonic, fighter jet and supersonic

Cooling: Self-cooling mechanism

Operation: Integrated or standalone



RADARS & ELECTRO OPTICS

PRODUCT

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AL HARIS-X

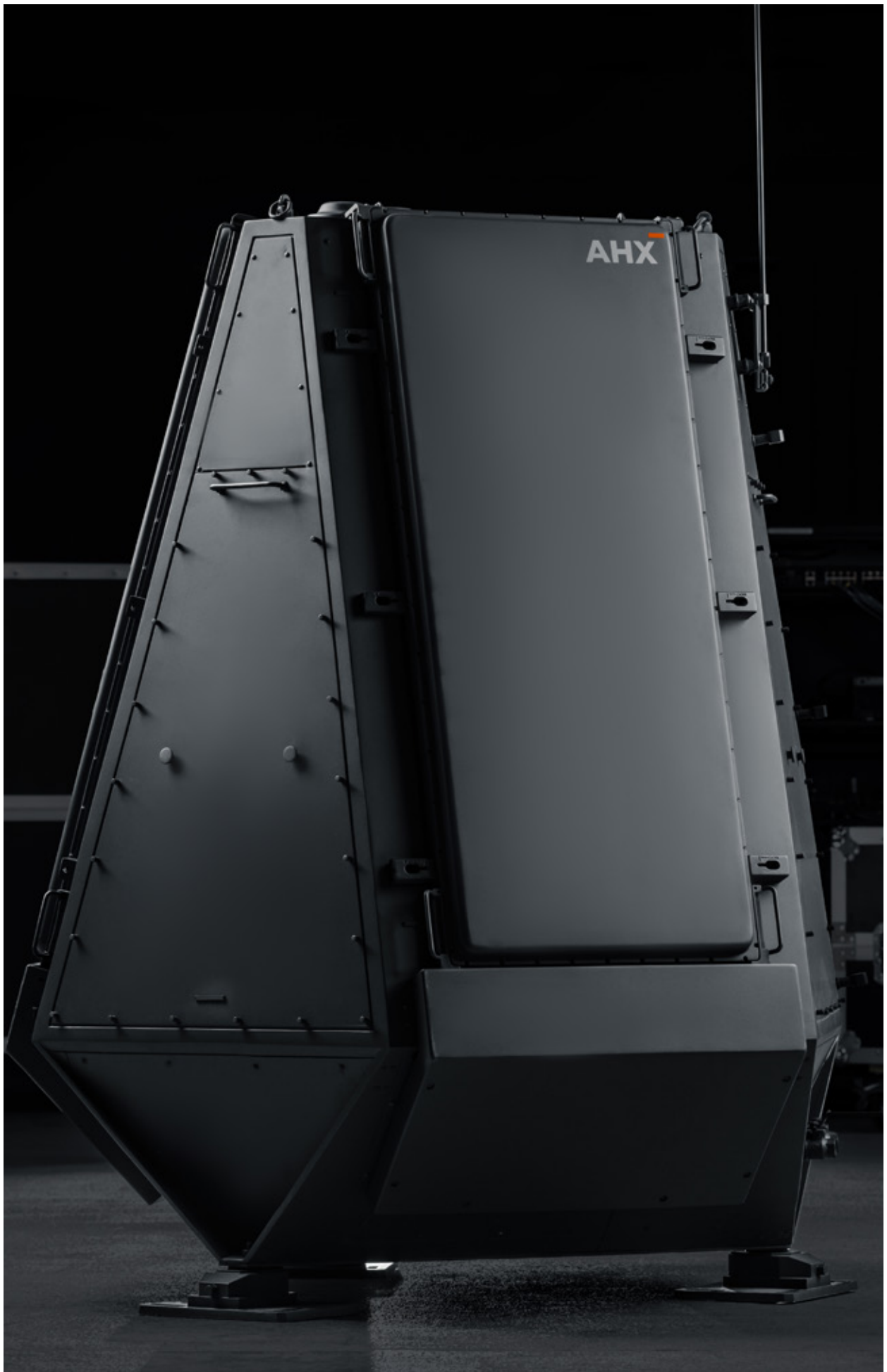
Al Haris X is a next generation multi-function radar that performs detection, tracking and AI-assisted target classification. Highly configurable Al Haris X can be optimized for Vehicle , Land, and Naval domains with CUAS, Key-point protection, Border Safeguarding, and SHORAD applications.

Dimensions (L x W x D): 1465 mm x 665 mm x 153 mm (single wall)

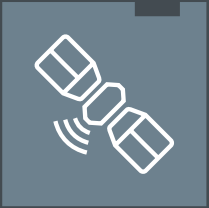
Frequency band: X-band

Range: 250 km (instrumented range)

Elevation: +/- 40°



EDGE



SPACE

FADA
فضاء

S P A C E

Developing UAE sovereign space IP and expertise in the manufacture, assembly, integration, testing, and operation of cutting-edge satellites, payloads and platform subsystems.





SPACE PRODUCT FADA فضاء



BROCHURE

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AIN SATELLITE

The FADA AIN is a low-earth orbit (LEO) optical satellite that provides very high-resolution images for use in maritime surveillance, monitoring, and search and rescue, as well as environmental and climate change science monitoring and data collection.

KEY FEATURES

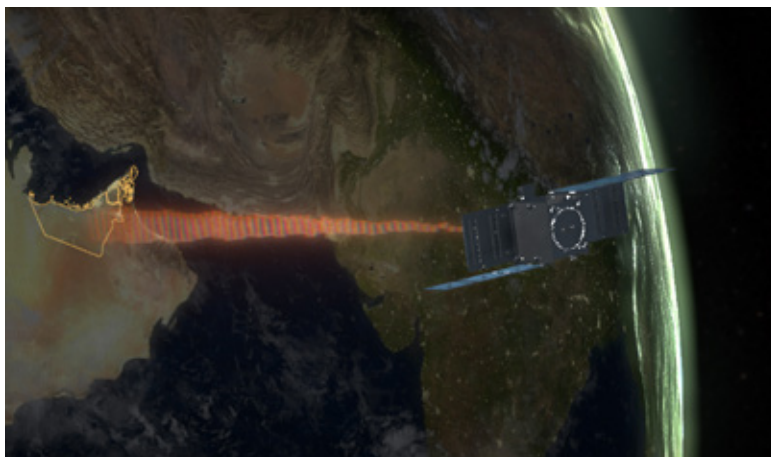
- Very High-Resolution Imaging
- Consistent Daytime Imaging Precision
- Data Empowerment for Innovators
- High Agility
- High Speed Data-Downlink



SPACE PRODUCT

FADA
فضاء

وكالة الإمارات للفضاء
UAE SPACE AGENCY



BROCHURE

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SIRB SATELLITE

SIRB 1 is an advanced Synthetic Aperture Radar (SAR) satellite and the first satellite of the UAE Space Agency's National SAR Satellite Constellation Program – SIRB, designed to deliver precise, all-weather, day-and-night Earth imaging. Once launched, its powerful radar capabilities will support a wide range of applications — from environmental and agricultural monitoring to maritime surveillance, infrastructure management, disaster response, and defense operations — providing vital insights that drive smarter decisions and a safer, more sustainable world.

Spacecraft Mass: ≤ 350 kg

Volume (stowed): $\approx 1600 \times 1112 \times 900$ mm³

SAR Signal : Frequency X-Band

Polarimetry: Single Polarization V-V

SAR Signal Bandwidth: Up to 1200 MHz

Image Ground Resolution : Up to 17 cm

SAR Imaging Modes: Spotlight, Strip map, ScanSAR

Ground Swath: 5km x 5 km - spotlight ≥ 20 km in ranging - strip map



SPACE PRODUCT FADA فضاء



BROCHURE

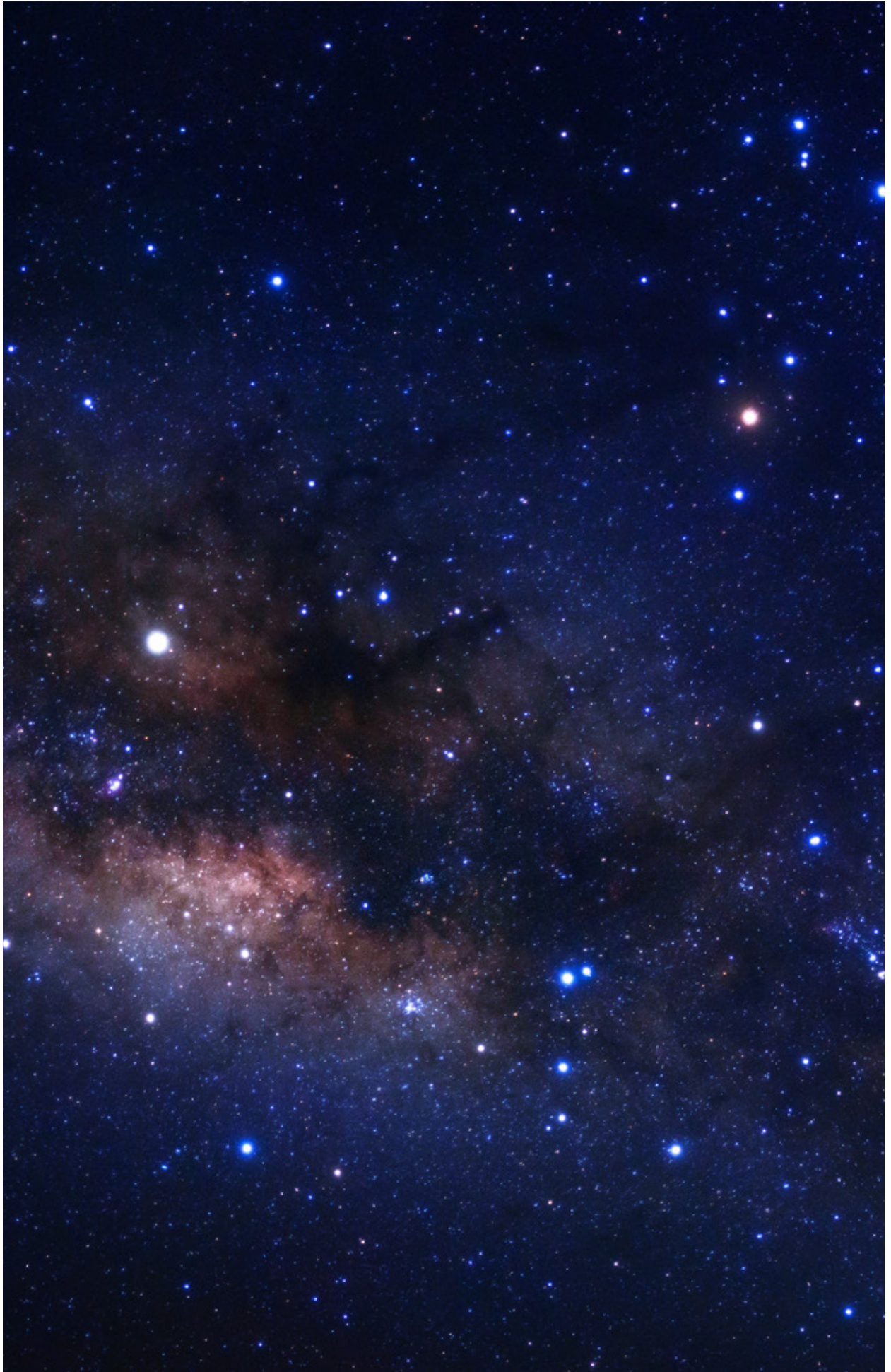
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ZENITH

ZENITH is UAE's sovereign space operations and data orchestration platform unifying access to multi-sensor imagery and data from national, commercial, and allied constellations. It serves as the central hub for discovery, tasking, and delivery of spaceborne data across domains, from Earth observation to space domain awareness, enabling secure, efficient, and coordinated mission operations.

KEY FEATURES

- **Unified Access:** Single mission console for managing, visualizing, and ordering multi-sensor data across national, commercial, and allied constellations.
- **Federated Discovery:** Search and access imagery across global providers and FADA's sovereign catalog through unified, standards-based interfaces.
- **Multi-Sensor Fusion:** Overlay and align data from multiple sensors and timeframes to form a unified situational picture for mission awareness and decision-making.
- **Priority Tasking:** Define missions with live feasibility analysis, identifying satellite opportunities and pass windows, and place high-priority acquisition requests.
- **Order Management:** Track and manage imagery orders with role-based permissions, approval workflows, and delivery monitoring.
- **Interoperable by Design:** Modular architecture built on open standards for seamless integration with national systems, ground stations, and partner network



EDGE



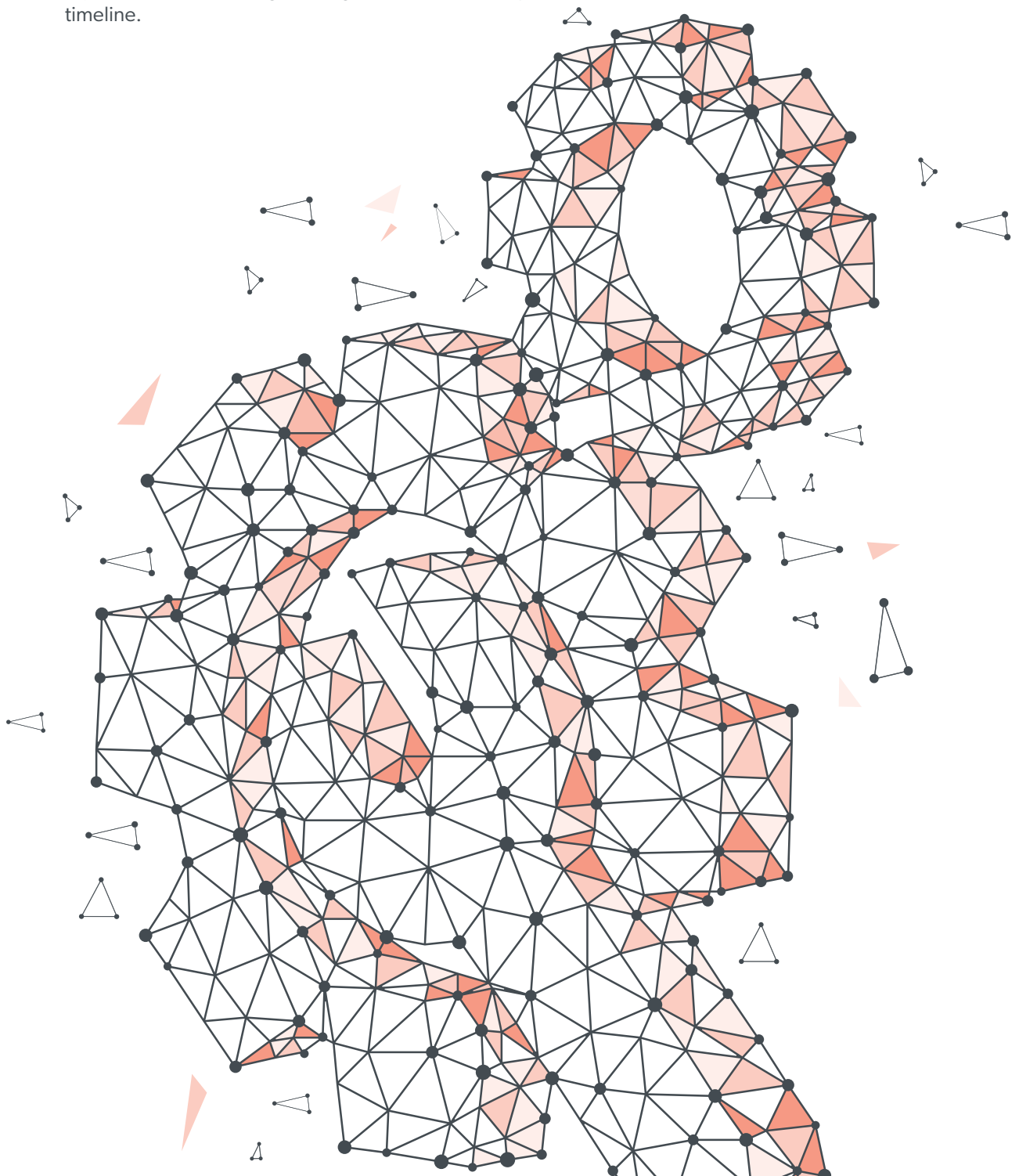
MRO

ADSB
ABU DHABI SHIP BUILDING

AL TAIF

M R O

Making sure platforms and systems are primed for every mission by providing world-class, best-practice lifecycle maintenance, repair, overhaul and engineering – no matter the requirement or timeline.





MRO | MAINTENANCE REPAIR & OVERHAUL SERVICES

ADSB
ABU DHABI SHIP BUILDING



MAINTENANCE & REPAIR

We offer maintenance and repair services for the military vessels operating in the region. Our qualified and experienced workforce, modern infrastructure and processes enable us to repair and upkeep vessels to stringent marine standards and testing requirements. Our key services include midlife, major, and navigational refits, dry-docking, overhauling of all types of main and auxiliary machineries and the maintenance of Nav-Com equipment and Weapon Systems.



THROUGH LIFE SUPPORT (TLS)

We deliver customized TLS services to ensure the operational readiness and long-term sustainability of military ships. Our TLS offerings cover the entire lifecycle of the vessels and it includes engineering and development of ILS elements, In-Service Support, Class Management, Maintenance Management, Refit Management, Inventory & Supply Support Management, Data Management, and the Management of Workshops & Technical Stores. Our TLS services ensures the highest level of mission readiness throughout the operational life of the vessels, while optimizing their Life Cycle Cost.



MRO
SERVICES
ADSB
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
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
SERVICES
ADSB
ABU DHABI SHIP BUILDING



BLASTING, PAINTING AND HULL TREATMENT

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

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



MAINTENANCE AND REPAIRS (COMMERCIAL VESSELS)

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

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



MRO
SERVICES
ADSB
ABU DHABI SHIP BUILDING



YARD SERVICES

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



OFFSHORE RIG FABRICATION

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



MRO | CONVERSION
S E R V I C E S
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



MRO | WAREHOUSING
S E R V I C E S

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.



MRO | MISSION SYSTEMS
S E R V I C E S

ADSB
ABU DHABI SHIP BUILDING



MISSION SYSTEMS INTEGRATION

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

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



MRO | PRODUCTION
SERVICES
ADSB
ABU DHABI SHIP BUILDING



FABRICATION FACILITIES

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



SMALL BOAT CONSTRUCTION (SBC)

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



MRO | TBD
SERVICES
ADSB
ABU DHABI SHIP BUILDING



INTEGRATED LOGISTICS SUPPORT (ILS)

At ADSB, we combine traditional ILS engineering practices with cutting-edge Shipbuilding 4.0 technologies, such as the Internet of Things (IoT), Big Data Analytics, Artificial Intelligence (AI), Augmented Reality (AR), and Virtual Reality (VR), to revolutionize the delivery of Integrated Logistics Support. By leveraging these advanced technologies, we enhance operational efficiency, optimize asset management, and provide predictive maintenance solutions that improve the reliability and availability of the vessels.



MRO | LAND VEHICLES SERVICES AL TAIF



CLICK TO VIEW

FLYER



CLICK TO VIEW

VIDEO

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 components electronics and electrical repair & optics
- Components repair (engines transmissions, differentials)
- Vehicles and components upgrade
- Components refurbishment
- Vehicles interior and exterior body work, painting and welding
- Product integraion
- Fabrication



MRO | LAND VEHICLES
SERVICES
AL TAIF



SUPPLY CHAIN MANAGEMENT

Provide complete supply chain management solution, including data - driven supply chain management, material requirements planning. we ensure mission readiness, ontime delivery.

Our supply operations enhance AL TAIF's competitive advantage by relying on seamless partnership with OEM's ensuring proper quality parts for our customers

OUR CAPABILITIES

- Receipt, storage, issue, and delivery of spares and repairable
- Contingency planning and war reservations
- Warehousing and inventory control
- Order fulfilment and distribution
- Material requirements planning
- Demand analysis and reporting
- Preservation and packaging
- Demand analysis
- Vendor quality control
- Inventory control
- Cataloguing



MRO | LAND VEHICLES
SERVICES

AL TAIF



TECHNICAL TRAINING

AL TAIF takes a systems approach to training for all types of workforce enhancement and development programmes; we deliver military maintenance doctrine training to prepare officers to lead maintenance depots. AL TAIF also designs and delivers quick modular training updates to ensure technicians in the field have the latest skills and techniques.

OUR CAPABILITIES

- Tailored curriculums build through training needs analysis (TNA)
- Systems approach to training (SAT)
- VR and AR maintenance training
- Mechanical, electrical-electronics and allied trade training
- Instructor certification courses



MRO | LAND VEHICLES
SERVICES
AL TAIF



ENGINEERING

Our engineering team develop innovative solutions, upgrades and technology integration across a wide range of land platforms and systems that help strengthen client capabilities.

OUR CAPABILITIES

- Capabilities
- Preventive and Predictive solution
- Failure analysis
- Material Testing
- Modelling and Simulation
- Vehicle improvement and Development Reverse Engineering and Manufacture
- New Technology application study
- System integration and design



MRO | LAND VEHICLES SERVICES **AL TAIF**



CALIBRATION AND TESTING SERVICES

Our state-of-the-art calibration laboratory is a trusted and respected calibration services that supports the UAE Armed Forces in assuring and maintaining the quality of its monitoring and measuring equipment.

OTHER CAPABILITIES & SERVICES INCLUDE:

- Electrical calibration
- Temperature calibration
- Balance calibration
- Pressure calibration
- Torque calibration
- Dimensional calibration



MRO | LAND VEHICLES SERVICES **AL TAIF**



MAINTENANCE, REPAIR AND OVERHAUL

Providing Depot Level Maintenance, Repair and Overhaul services, comprehensive set of In-house services and capabilities. Provide complete vehicle, component and platform rebuild comprehensive vehicle overhaul down to the frame, refurbishment, modernization and upgrades.

CAPABILITIES:

- Vehicles rebuilds
- Product integration
- Components rebuilds (engines, transmissions, differentials)
- Vehicles and component electronics and electrical repair and Optics
- Vehicles and components upgrade
- Components refurbishment
- Vehicles interior and exterior body work
- Painting and welding
- Fabrication



MRO | LAND VEHICLES SERVICES AL TAIF



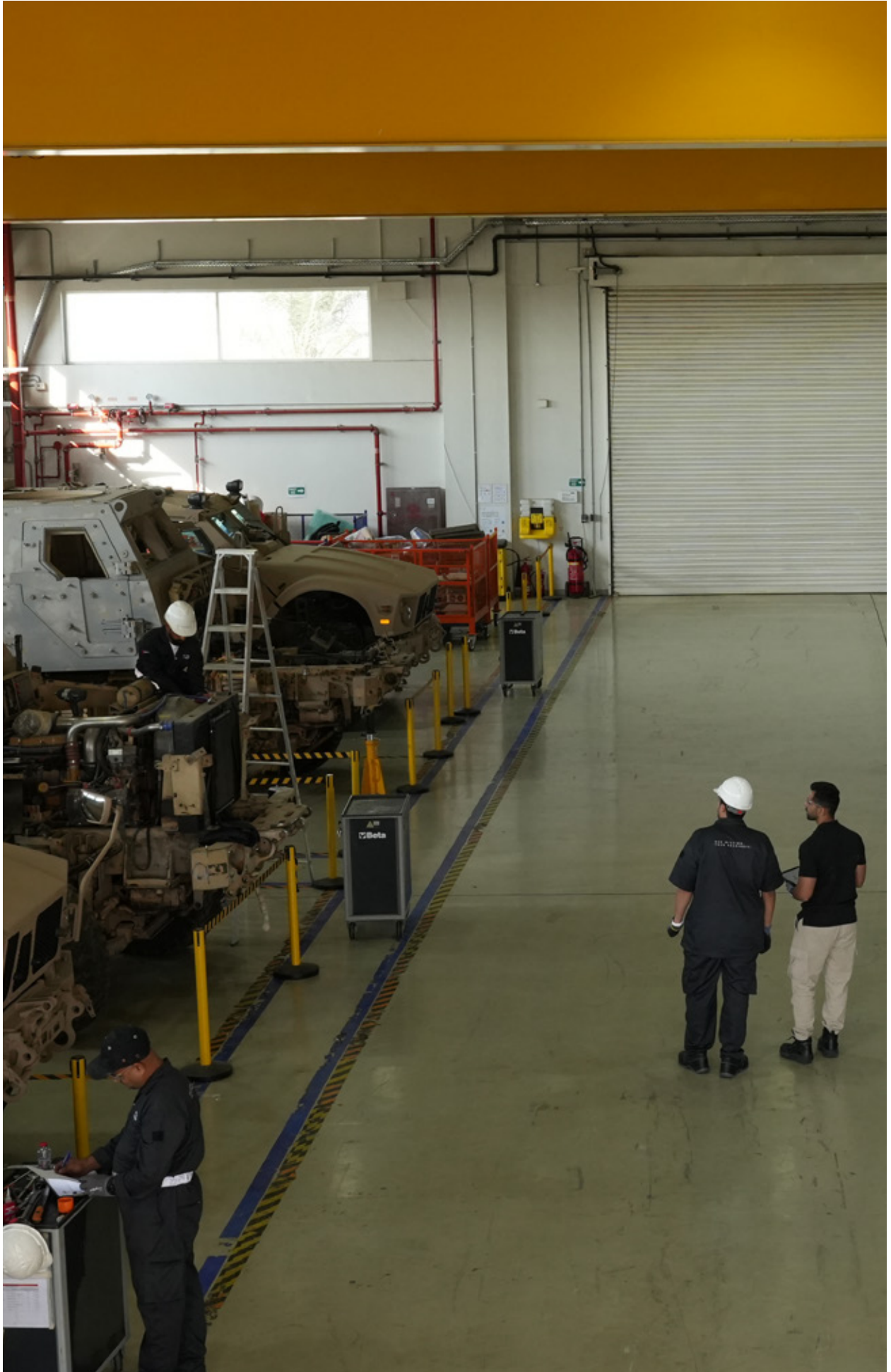
FLEET PROGRAM MANAGEMENT

Highly experienced life cycle management program of land platforms and systems to help customer rapidly, efficiently and effectively deploy world-class program management system.

Support Projects of any scale and complexity, working to build customer in-house capacity to organize and control timely repair of large fleets of equipments, platforms and premises.

CAPABILITIES:

- Maintenance and lifecycle planning for equipment, platforms, and premises
- Facilities management planning, organising, coordinating, documenting, and supervising
- Preventative, corrective, and scheduled maintenance planning
- CAPEX asset replacement and upgrade planning



EDGE



ENGINE & SUB-SYSTEMS

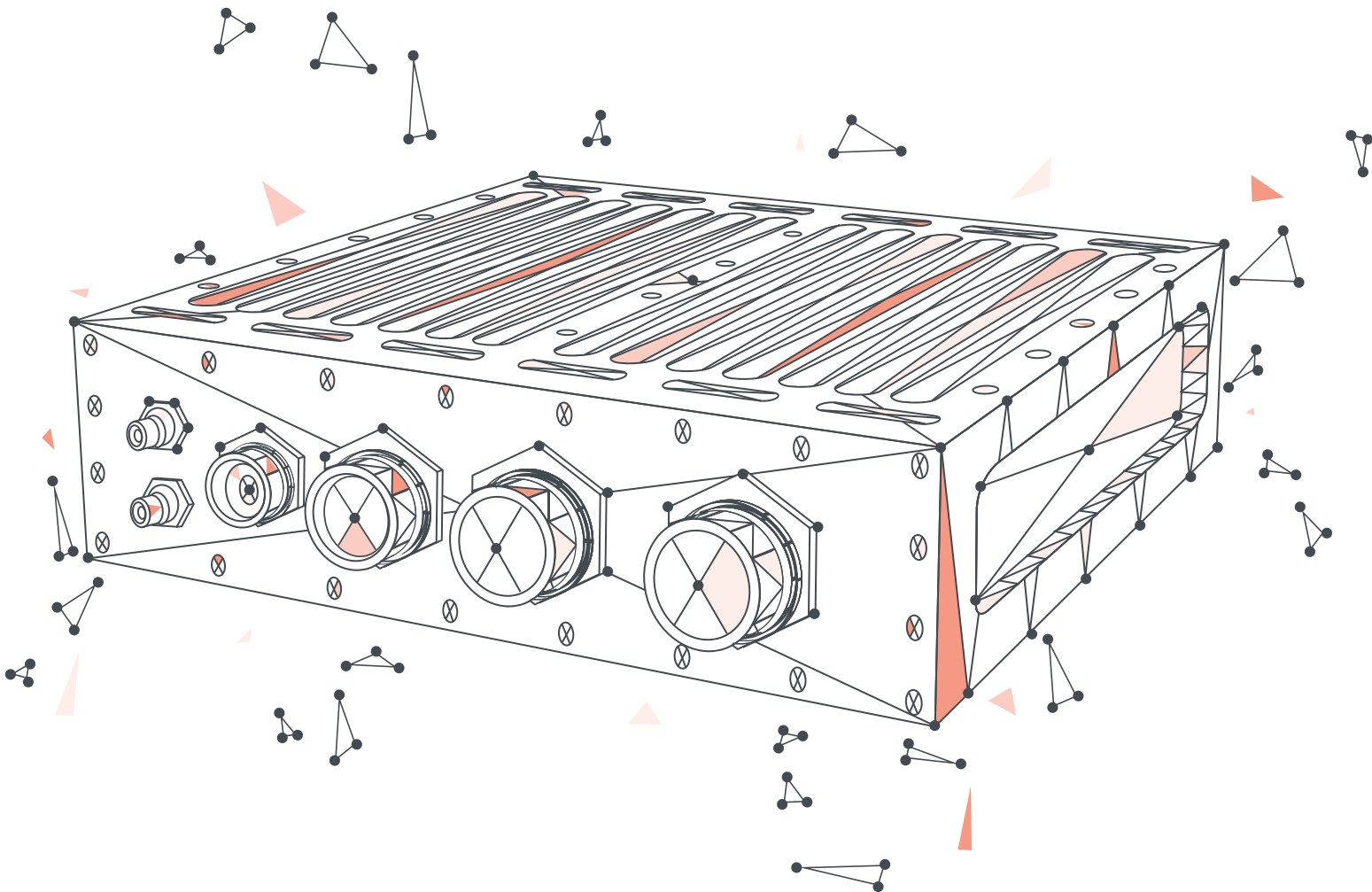
POWERTECH

ADVANCED
CONCEPTS

FIRETECH

ENGINE & SUB-SYSTEMS

Designing, developing and manufacturing high-performance piston, expendable turbojet, and medium- and large-size turbofan engines, as well as subsystems such as fuzes, TV seekers, advanced actuator systems, and mission-variable warheads.





ENGINE & SUB-SYSTEMS

PRODUCT

POWERTECH



P145i

The POWERTECH P145i is a 2-stroke, 6-cylinder engine with a boxer configuration that enables a flat engine layout and a short and lighter crankshaft. The long-stroke engine with separated lubrication, delivers higher torque, a low RPM rate, and better fuel efficiency.

Width: 610 mm

Length: 980 mm

Height: 720 mm

Engine type: Piston

Operating principle: 2-stroke

Fuelling: Electronic fuel injection

Oiling: Separate oil injection (integrated oil tank)

Cooling: Air-cooled

Engine displacement: 1.8 L

Cylinders: 6

Horsepower: 145 hp



CLICK TO VIEW

FLYER



PJ120

The POWERTECH PJ120 is a small 1200 N turbojet engine designed for missiles and UAVs. Indigenously designed in the UAE, the engine is ITAR free.

Length: 600 mm

Diameter: 232 mm

Weight: 20 kg

Maximum continuous thrust: 1200 N at sea level, ISA conditions

Specific fuel consumption (including lubrication):
< 34.65 g/KN.s



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FLYER



ENGINE & SUB-SYSTEMS

PRODUCT

POWERTECH



P80i

The POWERTECH P80i Boxer 2-stroke 4-cylinder piston engine with separated lubrication is configured in a flat form factor, allowing for easier, more effective and fuel-efficient platform by enabling a shorter and lighter crankshaft.

Dimensions (W x L x H): 545 mm x 470 mm x 450 mm

Engine type: Piston engine

Operating principle: 2-stroke

Fuelling: Electronic fuel injection

Oiling: Separate oil injection with integrated oil tank

Cooling: Air-cooled

Engine displacement: 1250 cc

Number of cylinders: 4 cylinders

Horsepower: 80 hp



CLICK TO VIEW

FLYER



PJ40

The POWERTECH PJ40 is an ITAR free indigenously designed and manufactured small turbojet engine for missiles and UAVs. The engine has an excellent thrust-to-weight ratio, compact diameter, and efficient fuel consumption.

Length: 390 mm

Diameter: 155 mm

Weight: 6 kg

Maximum continuous thrust: 450 N at sea level, ISA conditions

Specific fuel consumption (SFC) (including lubrication):
< 40 g/KN.s at sea level, ISA conditions



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FLYER



ENGINE & SUB-SYSTEMS

PRODUCT

POWERTECH



P10i

The POWERTECH P10i is a 2-stroke, 2-cylinder engine ideal for small ISR and VTOL platforms. Its engine features a boxer configuration that enables a flat layout and a short and lighter crankshaft.



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FLYER

Width: 400 mm

Length: 300 mm

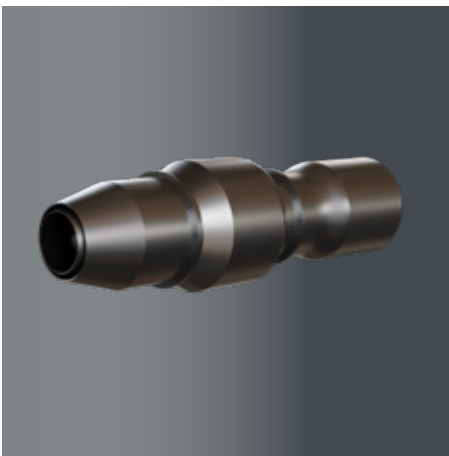
Height: 240 mm

Engine type: Piston

Operating principle: 2-stroke

Fuelling: Electronic fuel injection

Oiling: Separate oil injection (integrated oil tank)



X550

The POWERTECH X550 is a 5000 N turbojet engine designed specifically for missiles and unmanned aerial vehicles. It provides those platforms and systems with a continuous thrust of 4700 N and a maximum thrust of 5000 N.



CLICK TO VIEW

FLYER

Length: 1,200 mm

Diameter: 360 mm

Weight: 105 kg

Maximum continuous thrust: 4700 N

Maximum thrust: 5000 N (at sea level static standard day conditions)

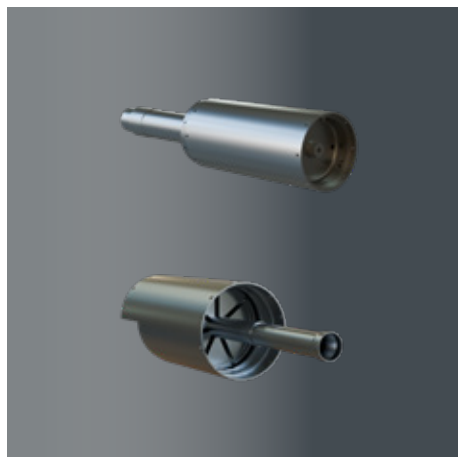
Specific fuel consumption (including lubrication):
< 22 g/KN.s



ENGINE & SUB-SYSTEMS

PRODUCT

FIRETECH



FT-S RANGE

The EDGE FT-S range of solid rockets serves the propulsion needs of a wide range of munitions, from shoulder-fired to air-launched.

With a thrust greater than 2600 N, the FT-S-175 solid rocket motor can extend the stand-off range of air-released missiles, providing greater attack coverage and enhanced safety for pilots and platforms.

The FT-S-70 dual-impulse, solid-rocket motor has a compact and efficient design, making it ideal for shoulder-launched munitions. The motor allows infantry to engage targets up to 700 metres away.

FT-S-175

Diameter: 175 mm

Length: 735 mm

Avg. thrust: > 2600 N

Action time: 6 s

FT-S-70

Diameter: 70 mm

Length: 320 mm

Total impulse: > 950 N.s

Action time: > 0.5 s

FT-H RANGE

The EDGE FT-H range of hybrid rockets offers exceptional propulsion solutions for sounding rockets and small launcher programs. This range uses fuel-oxidizer combinations that enable throttleable and inherently safe motors.

The FT-H-1600 offers a dual-use application with UAE sovereign IP and a fuel-oxidizer combination of HDPE and N₂O delivering 1600 N of thrust, making it additionally suitable for rocket-assisted take-off.

The FT-H-500 combines 500 N of thrust, a 13-kilogram take-off weight, and a 2.4-kilometre apogee, making it more cost-effective for experimentation and subscale testing and evaluation.

FT-H-1600

Diameter: 130 mm

Length: 1000 mm

Thrust: 1600 N

Action time: 10s

Chamber pressure: 2.5 MPa

Fuel / oxidizer: Paraffin / GOX

FT-H-500

Diameter: 150 mm

Length: 600 mm

Thrust: 500 N

Efficiency: 94%

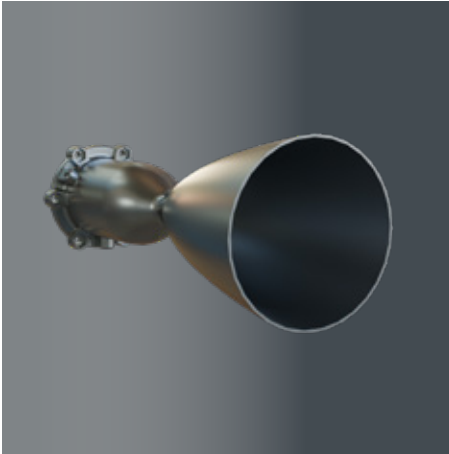
Fuel / oxidizer: HDPE / N₂O



ENGINE & SUB-SYSTEMS

PRODUCT

FIRETECH



FT-L-250

The EDGE FT-L-250 liquid-rocket space-propulsion system provides altitude control for in-space platforms and systems. The liquid fuel-oxidizer mix of N_2O and C_3H_6 offers a green propellant option that is safer to use.

In addition to delivering a thrust of 250 N in the vacuum of space, this self-pressurising system produces an efficiency of 94%.

Diameter: 110 mm

Length: 300 mm

Thrust: 250 N (vacuum)

Efficiency: 94%



ENGINE & SUB-SYSTEMS PRODUCTS

ADVANCED CONCEPTS

ESAD-50

The ADVANCED CONCEPTS ESAD-50 is an electronic safety arming device designed for munitions of 50mm diameter and greater. It features FPGA-controlled inertial safety measures, as well as flight computer arming/disarming control.

Diameter: 50 mm

Height: 100 mm

Power-on: Disarmed

FPGA-controlled inertial safety measures

Flight computer arming/disarming control



CLICK TO VIEW

FLYER

G70 ACTUATOR

The ADVANCED CONCEPTS G70 Actuator is a self-contained fin actuation mechanism for the G70. Supporting precision guidance, the actuator incorporates a mechanical and electrical system, as well as motor control electronics.

The system, which runs 250mm long by 70mm in diameter faces no export controls, making it an ideal subsystem for the G70 missile.

Diameter: 70 mm

Lenght: 250 mm



FLYER



ENGINE & SUB-SYSTEMS

PRODUCTS

ADVANCED

CONCEPTS

AC-TJ-230

The ADVANCED CONCEPTS AC-TJ-230 is an advanced technology turbo jet engine that features a classic configuration with high-altitude capabilities. With a compact design, this engine has a high thrust-to-weight ratio and low fuel consumption.

Able to fly at speeds up to 0.7 M, the AC-TJ-230 is equipped with an engine canister for high-altitude startups to 25,000 ft. It also uses a compressed air tank for smooth, efficient startup and incorporates cutting-edge materials and aerodynamics for a system that delivers durability, reliability and optimal performance across diverse operational conditions.

Thrust Take-off (max. 5 min.) 230 N

Specific fuel consumption at max. thrust: 164 (kg/N·h)

Maximum exhaust temperature (EGT): 750°C

RPM range: Up to 108,000

Outside diameter: 119 mm

Engine length: 295 mm

Engine weight: 2 kg

Maximum starting altitude (Oxygens Assistant): 25,000 ft

Flight speed range: 0-0.7 M

Fuel Type: JET-A, JET-A1, JP4, JP8, TS-1, T2, RT

Lubrication: According to MIL-L-23699 (Mobil Jet oil II, AEROSHELL 560)

FPV FUZE

The ADVANCED CONCEPTS STAB FUZE is an all-mechanical fuze that can be used in various applications and on various platforms. It works on the principle of a stab pin that activates the stab detonator on impact.

The fuze incorporates multiple safety features, including a protection cap during storage and 'Remove to arm' clips at the arming stage and before launch. As well, an ARM/DISARM window indicates arming status.

Total length: 80 mm

Max. diameter: 45 mm

Thread: According to platform requirements

Weight: <125 grams



EDGE



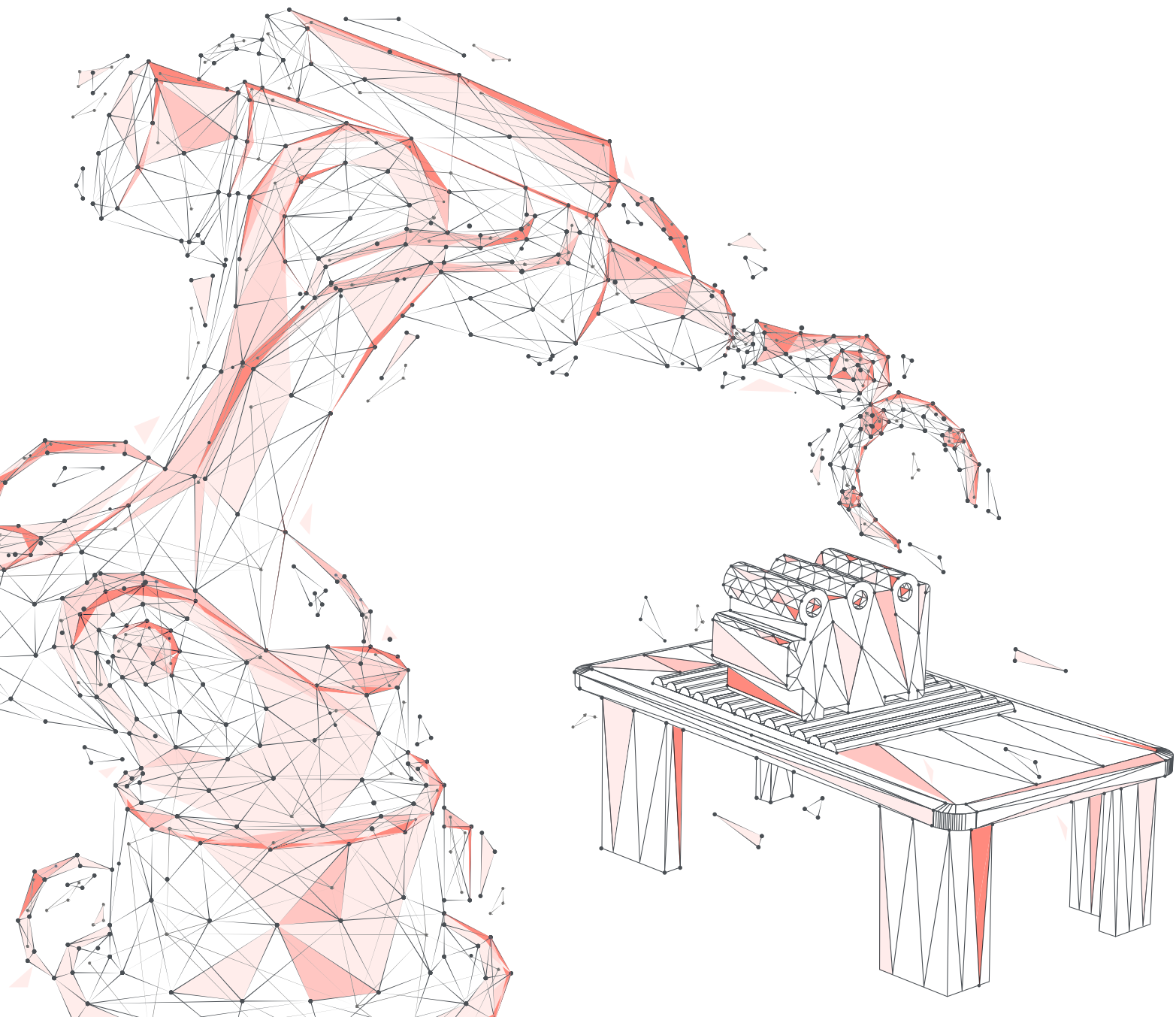
PRECISION ENGINEERING

EPI

HALCON

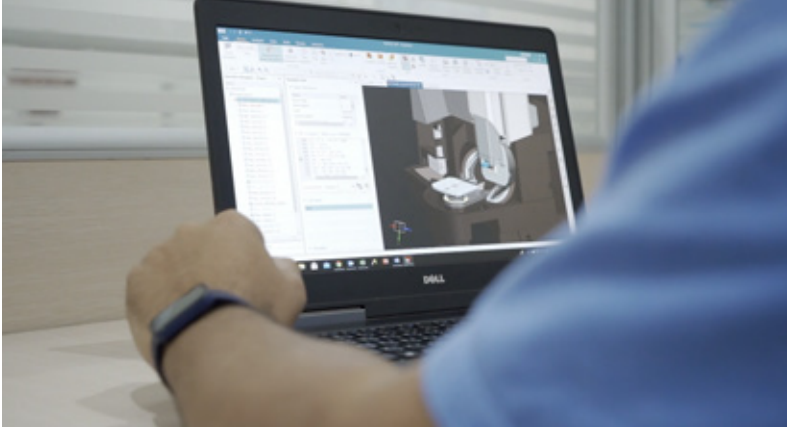
P R E C I S I O N E N G I N E E R I N G

Offering state-of-the-art manufacturing and consulting services for top-of-the-line, highly engineered and complex components, delivered through precision processes to customers in the aerospace, defence and commercial sectors.





PRECISION ENGINEERING SERVICES EPI



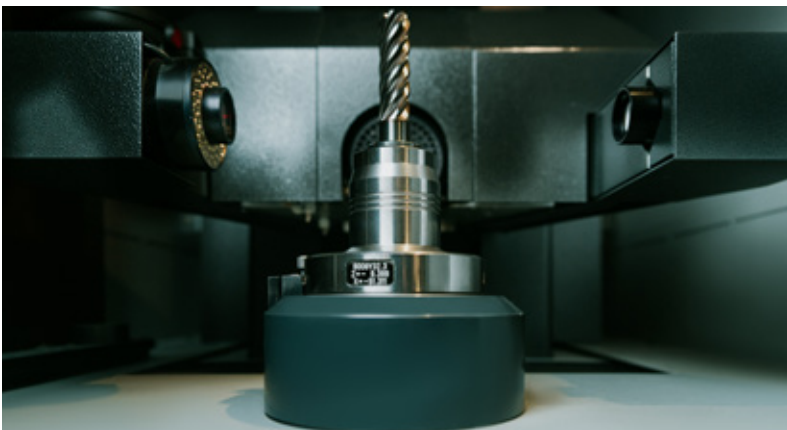
FLYER

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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



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**



BROCHURE

[CLICK TO VIEW](#)

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



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



TRAINING, TESTING & SERVICES

BEACON RED

HORIZON

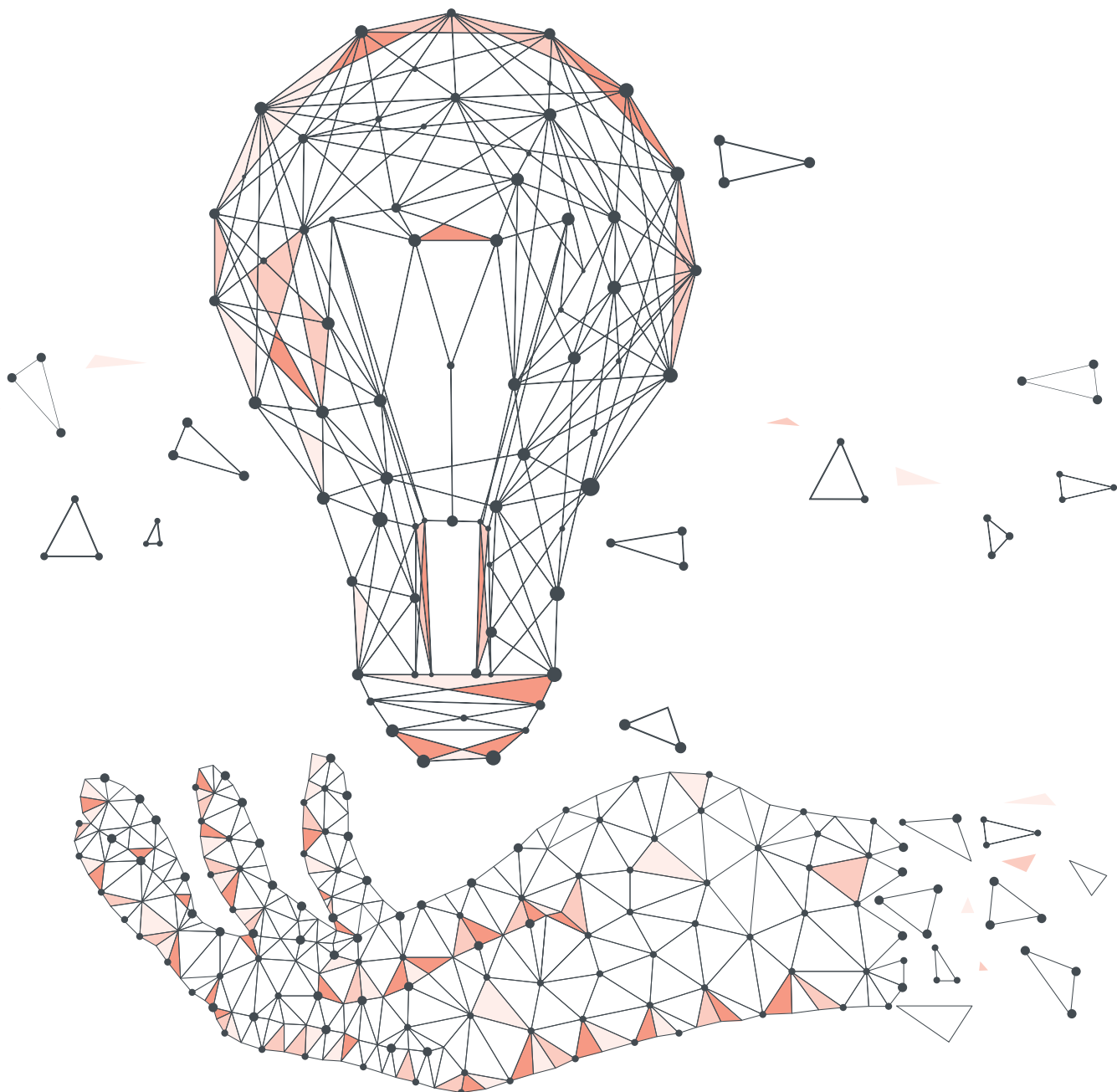
REMAYA

ADASI

LAHAB
MILITARY SERVICES

TRAINING, TESTING & SERVICES

Offering industry-leading helicopter pilot training and military-ready leadership and practical skills training to prepare the frontline forces and civilian personnel required for the complex world of tomorrow.





TRAINING & SERVICES

SERVICES

BEACON RED

LANGUAGE TRAINING SOLUTIONS

BEACON RED offers mission-relevant Language Training Solutions in various languages and dialects to support critical mission accomplishment in technical and professional fields.

We offer synchronous and asynchronous Language Training Solutions, ranging from basic acquisition through advanced enhancement to include immersions, isolated immersions, scenario-based training, critical thinking, and analysis.

TRANSLATION SERVICES

BEACON RED offers bespoke Translation and Interpretation Services to help clients achieve their international ambitions. With a team of expert linguists and advanced content management systems, we deliver precise communication of key messages and client intent. Our comprehensive language solutions include document translation, telephonic interpretation, video call and face-to-face transcription, proofreading, web localisation, and services in over 60 language pairs. Tailored to meet unique visions, our services ensure the highest standards of linguistic excellence.

DUE DILIGENCE

Sensitive positions in your organisation are a security imperative and must be encompassed by trust and resiliency. Our Due Diligence service provides extensive background verification capabilities and bespoke services for due diligence/background investigations. Whether for individual hiring, inclusive of all background check elements and personnel threats, or vendor, third party, and access checks, BEACON RED ensures that every aspect of your daily interactions and hiring process is vetted and verified.

NATIONAL SECURITY CAPABILITIES

NSC excels in addressing national security challenges through innovation, strategic partnerships, and thought leadership. With a deep understanding of client needs, we deliver turnkey solutions for governments and adjacent entities worldwide. Our offerings include intelligence services, Digital Overwatch, BEACON RED Intelligence Cell, and due diligence for personnel and supply chains. Additionally, we provide training and advisory services to enhance capabilities in law enforcement, intelligence, critical infrastructure, and specialist skills. By remaining at the forefront of national security, we aim to deliver high-quality capabilities that meet evolving global demands.

NATIONAL SECURITY IN A BOX

BEACON RED's National Security Centre of Excellence is a comprehensive solution for all national security missions. The Centre is comprised of training, advisory support and technology that can scale and expand to absorb additional missions, delivered by elite professionals.



TRAINING & SERVICES

SERVICES

BEACON RED

RANGE ON WHEELS

Our RANGE ON WHEELS (ROW) automation technology combines the latest innovations in defence training with groundbreaking capabilities in cybersecurity. Through ROW, an advanced, portable emulation generator, users may 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. ROW can be fully integrated with both physical and virtual devices.

RANGE ON WHEELS (ROW)TM

- Range Automation
- Portability/On-Premise
- Devops Orchestration
- Devops Catalogue
- Hybrid (Virtual & Physical) Integration
- Training and Simulation

LABS ON WHEELS (LOW)TM

- Auto Lab Deployment
- Portability/On-Premise
- Interoperability Testing
- Defence Integration
- Hybrid (Virtual & Physical) Integration
- Independent Verification & Validation

DATACENTER ON WHEELS (DOW)TM

- Turnkey Solution - Ready to be parachuted into any mission
- Simply Turn on And Go
- Portable Compute Power
- High and Low Speed Network and Security Capabilities
- Highly Mobile Design for Rapid Deployment
- Fully Integrated Solution
- Shockproof Military Graded Racks

FORENSIC LAB ON WHEELS (FLOW)TM

- Disk Forensic Acquisition
- Mobile Forensic Acquisition
- Forensic Image Storage
- Forensic & Intelligence Analysis
- Highly Mobile Design for Rapid Deployment
- Fully Integrated Solution
- Shockproof Military Graded Racks



TRAINING & SERVICES

SERVICES

BEACON RED

HUMAN AND ORGANISATIONAL PERFORMANCE

CAPABILITY DEVELOPMENT

We support our clients with comprehensive Capability Development Solutions. Designing competency frameworks to provide transparent career pathways, developing roles and entity specific job descriptions. BEACON RED provides technical and behavioural assessments of employees and compares their skillsets against competencies with detailed insights into areas for staff development.

PROFESSIONAL DEVELOPMENT

We provide a comprehensive range of professional development services to prepare individuals and teams for future leadership and management challenges. With extensive experience and a vast library of courses, we offer tailored, workplace-focused training pathways for staff at all levels. Our programmes include nationally and internationally accredited awards, certificates, and diplomas, delivered in partnership with leading UAE and UK awarding bodies such as ACTVET, Highfield International, ILM, CMI, and CIPD.

LANGUAGE DEVELOPMENT

Online English Language development courses support exam preparation for University and Immigration-related cases. Additionally, BEACON RED offers development courses for business language skills which enhance report writing and professional language needs in the workplace.

TRAINING SOLUTIONS

BEACON RED empowers next-generation professionals with innovative training solutions designed to inspire and develop individual talent. Leveraging a diverse team of subject matter experts, we deliver comprehensive curriculums and cutting-edge training platforms. Recognised by Anthology with Catalyst Awards in 2023 and 2024, our best-in-class e-learning suite supports individual and organisational development goals. Combining expert knowledge, instructional design, and advanced educational technologies, we create interactive, engaging content focused on practical application and real-world case studies. Our tailored training solutions ensure measurable workplace benefits, making us a leader in professional development.

UAE NATIONAL QUALIFICATION PROGRAMMES

BEACON RED is an Approved Training Provider (ATP) under ACTVET & Ministry of Education.

As an ATP, we support partners to create, accredit and deliver entity specific programmes that are nationally recognised via the national vocational qualifications framework, providing learners with job-ready skills needed to excel in the workplace and a national qualification as recognition of their learning.

NATIONAL QUALIFICATION DEVELOPMENT

BEACON RED can support accrediting corporate training programmes so that they are recognised nationally or internationally. This adds value by facilitating pathways to further education or future learning, if required.



TRAINING & SERVICES

SERVICES

BEACON RED

ACCREDITED APPRENTICESHIP PROGRAMMES

Working with NAFIS, we can develop nationally accredited qualification programmes at a Certificate, Diploma, Bachelors and Masters level to support the development of Emirati professionals to ensure that your organisation has a talent pipeline of high-calibre candidates.

MISSION TECHNICAL ACADEMY (MTA)

As global threats grow more sophisticated, the technical expertise required to counter them must evolve. BEACON RED's Mission Technical Academy prepares the next generation of national security professionals to confront future challenges with mental fortitude and the most advanced skills and techniques.

ACCREDITATION SERVICES

BEACON RED drives the expansion of accredited training in defence, security, and law enforcement sectors by offering both existing national and international qualifications and developing new UAE-specific vocational programmes to address existing gaps. Our services include Qualifications Development, and Accreditation Advisory & ATP Compliance.

Committed to enhancing vocational education, we deliver impactful training aligned with national and international benchmarks.

ADVANCED PSYCHOMETRICS AND ASSESSMENT

BEACON RED uses a systematic, data-driven approach to enhance workplace performance by evaluating individual potential through advanced psychometric testing and assessments. Our methods identify unique traits that drive agile performance while highlighting potential risks, enabling decision-makers to improve recruitment and selection processes. By leveraging dynamic talent analytics, industry expertise, and research, we uncover workforce trends and predict vulnerabilities, empowering clients to make informed, strategic talent management decisions. Our solutions deliver actionable insights for mission-critical talent-related decisions, transforming how organisations identify, develop, and retain top talent.

PEOPLE ANALYTICS SYSTEM (PAS)

The People Analytics System (PAS) is a proprietary testing platform by BEACON RED that allows our People Analytics team to administer tailored assessments electronically, either unsupervised or proctored. It hosts and administers psychometric and aptitude testing by leveraging advanced technologies to assess complex higher order cognitive and personality constructs. The PAS platform is hosted fully in the UAE on our on-premise highly secure servers.

HUMAN PERFORMANCE OPTIMISATION

We offer a holistic approach to personal growth, empowering individuals to achieve their full potential across all aspects of life and enhancing organisational effectiveness. Our bespoke programmes focus on five key areas: Physical Health and Fitness, Mental Clarity and Focus, Emotional Regulation, and Spiritual Growth Peak Performance. This integrated approach motivates lasting change and maximises individual and team potential.



TRAINING & SERVICES

SERVICES

BEACON RED

MISSION TECHNOLOGY

GRC SERVICES

Governance, Risk, and Compliance (GRC) is the backbone of a resilient and forward-thinking organisation. By integrating robust governance frameworks, proactive risk management, and unwavering compliance, GRC empowers businesses to navigate complexities with confidence. BEACON RED's team of international subject matter experts have not only led GRC programmes across all industries, but have worked closely with governments to develop forward-thinking nation-wide policies. At BEACON RED, we believe that security exists to empower the organisation to achieve its goals. Trust our GRC team to elevate your operational standards and safeguard your enterprise with precision and expertise.

TSS

BEACON RED's Technical Security Solutions teams design and deploy complex security centric systems and solutions that provide advanced security management capabilities for enterprise and homeland security initiatives. Such initiatives include solutions for Critical Infrastructure Protection, Safe City and Digital Twin Initiatives, Wide Area Monitoring and Response, Waterways Protection and Border Monitoring Projects. BEACON RED tailors the solutions to maximise customers' capabilities by bundling Technology, Tactics and Procedures for complying with best practices and most advanced threat management response.

TSCM

BEACON RED provides tailored and unique capabilities in the region by offering Technical Surveillance Counter Measures services and solutions. TSCM services are provided for periodic TS inspections in executive offices and areas subjected to potential TS threats. BEACON RED TSCM teams equally design and deploy RF shielded environments such as required in SCIF, Secure Communication Rooms and Research and Industrial Facilities which require protection from radio emissions.

SPECTRUM DOMINANCE

BEACON RED RF specialists provide a wide range of spectrum related services such as Broadband Spectrum analysis, Wi-Fi spectrum optimisation, RF Hunting, and persistent TSCM monitoring. BEACON RED StratoScout and StratoScout AI solutions are designed for corporate enterprises, as well as other civilian and military applications. BEACON RED StratoScout and StratoScout AI solutions can be land-based, sea-based or encapsulated into autonomous monitoring solutions.

ADVISORY SERVICES

BEACON RED provides tailored security centric Advisory and Professional Engineering Services to corporate clients and governmental agencies. Such engagements contribute to clients' capability development or provide instant subject matter expertise in specific missions. Missions include Infrastructure Development, Front-End Engineering, Safe City Initiatives and Complex Communications Systems Development.



TRAINING & SERVICES

SERVICES

BEACON RED

MISSION ENGINEERING

At the backbone of technology, Mission Engineering forges and shapes the future of national security and homeland security in the LEA, intel and military domains by building and engineering state-of-the-art technical solutions. From data centres to fly-away-kits, Mission Engineering integrates cutting edge technology, supporting missions aligned with client needs, turning aspirations and possibilities into reality. Mission Engineering has successfully built strategic and tactical integrated solutions to support and strengthen national security matters, uniting technology and innovation, enabling our clients to fight the odds, protect and defend nations.

INTEGRATION SERVICES

BEACON RED specialises in delivering comprehensive solutions integration across diverse technology domains, including cyber and physical security, technical security services, and command and control systems. Our technology-agnostic approach ensures that we identify and implement the best solutions tailored to customer specific needs. By leveraging a wide range of technologies and partnering with leading vendors, we provide customised, efficient, and reliable integration services that enhance security and operational efficiency.

CWE-NET

The Classified Workspace Environment Network (CWE-Net) is a secure turnkey solution designed to protect sensitive data, IP, and corporate trade secrets while meeting stringent industry standards, including NIST, NISPOM, FIPS, and UAE IA. It features an air-gapped network infrastructure tailored to customer needs for rapid implementation and enables secure collaboration across entities. CWE-Net supports SECRET and TOP SECRET data with advanced capabilities such as SMIME-encrypted email services, watermarking, data classification, sandboxing, and one-way diode data ingestion. Its military-grade shockproof racks with hyper-converged infrastructure ensure portability and resilience. This solution provides organisations with robust tools and security to meet mission-critical demands.

GUARDIAN SERVICES

BEACON RED offers unparalleled security through custom, defensive solutions powered by expert analysts, threat hunters, and forensic specialists. With advanced technologies, we provide cyber threat intelligence, incident response, advisory, and investigative services to safeguard national security. Our digital monitoring of underground forums and firsthand knowledge of threat actors protects against vulnerabilities in government systems.

At the core of our services is the Guardian Integrated Threat Intelligence Platform, designed by our multilingual intelligence team. The platform offers secure access to threat reports, specialist support, and advanced searches across billions of data points. It features modular tools for dark web monitoring, social media tracking, breach databases, attack surface analysis, and risk-based cyber intelligence. Our experts are on-call to support UAE sovereignty and security.



TRAINING & SERVICES

SERVICES

BEACON RED

OTHER SERVICES

CLIENT-CENTRIC SERVICES - PROJECT MANAGEMENT

Client-centric Services - Project Management prioritise clients' needs and goals, ensuring tailored solutions for each project. This approach involves active collaboration, transparent communication, and adaptive planning to align with clients' visions. By focusing on client satisfaction and personalised service, these services foster strong relationships and deliver projects that meet or exceed expectations. Key benefits include enhanced client trust, project efficiency, and successful outcomes that reflect clients' unique requirements and objectives.

HR TRANSFORMATION

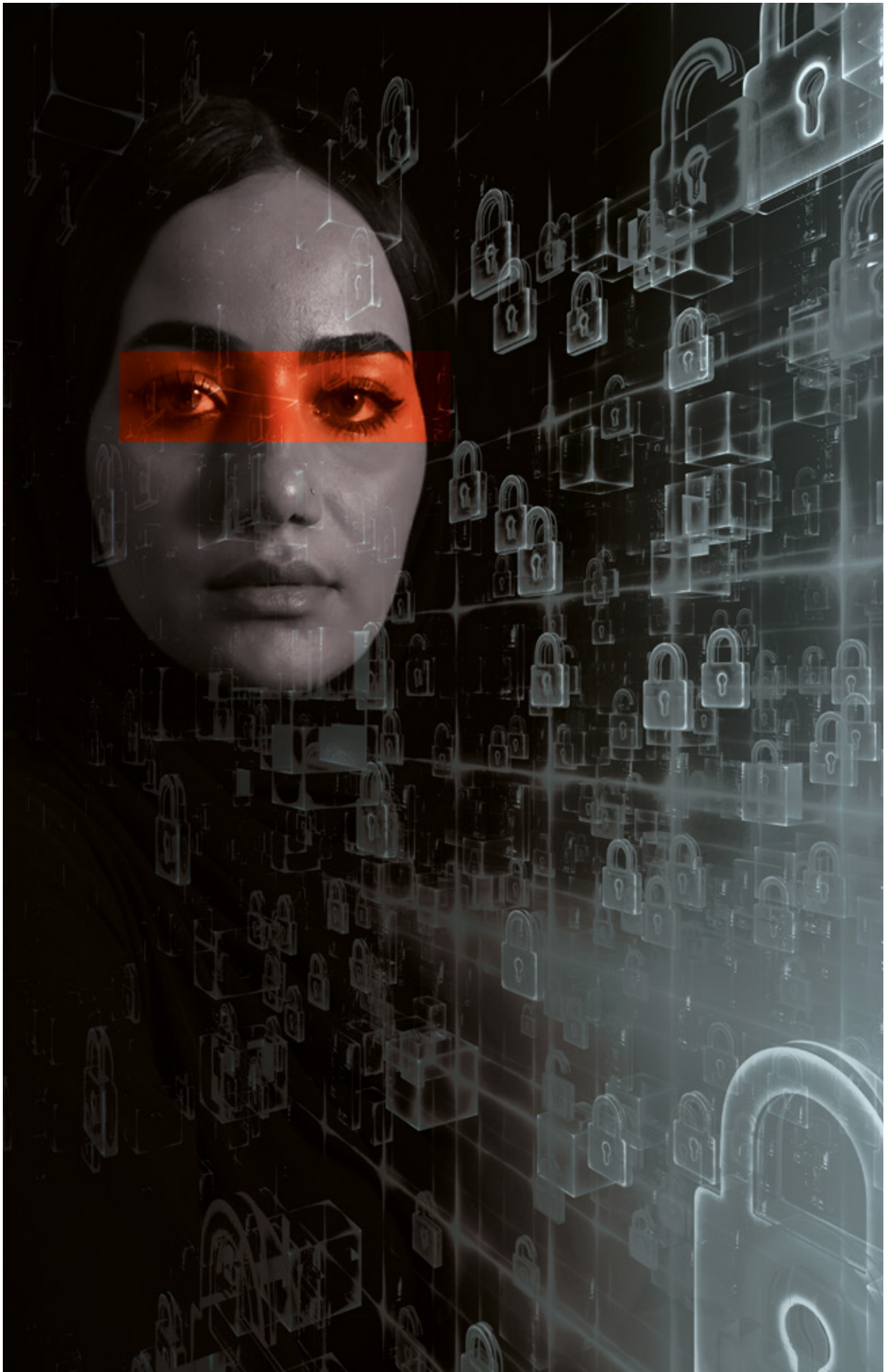
Our HR Transformation team is passionate about shaping the future of work through culture, collaboration, and innovation. We empower organisations to embrace change as a growth opportunity, leveraging expertise in change management, digital transformation, and communication.

Our services cover everything from market analysis to talent acquisition, change management to total rewards compensation. But beyond the services, we're here to support organisations on their journey, providing guidance, empathy, and a human touch every step of the way.

SPEARHUNT

Spearhunt specialises in global talent acquisition, connecting businesses with niche technical talent across continents. Leveraging an extensive network, we ensure clients access a diverse pool of skilled professionals, tailored to meet their unique team requirements.

Our targeted recruitment framework focuses on matching candidates to specific client needs, from specialised technical roles to high-level leadership positions. Spearhunt's experts craft strategies to identify individuals with the exact skills, experience, and qualifications essential for success.





TRAINING & SERVICES

SERVICES

HORIZON

ENGLISH LANGUAGE PROFICIENCY

TRAINING

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



CLICK TO VIEW

FLYER

PILOT TRAINING

SINGLE ENGINE HELICOPTERS

PRIVATE PILOT LICENCE - HELICOPTER (PPL)

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

COMMERCIAL PILOT LICENCE - HELICOPTER (CPL)

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

FLIGHT INSTRUCTOR - HELICOPTER (FI)*

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

QUALIFIED MILITARY PILOT BRIDGE COURSE - HELICOPTER (QMP)

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

INSTRUMENT RATING (IR)

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

TYPE RATING (TR)

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

NIGHT RATING (NR)

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



CATALOGUE

* Required Type Rating



TRAINING & SERVICES

SERVICES

HORIZON

PILOT TRAINING

TWIN-ENGINE HELICOPTERS

AIR TRANSPORT PILOT LICENSE ATPL (H)

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

INSTRUMENT RATING (TWIN ENGINE)

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

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

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

TYPE RATING (TR)

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

NIGHT VISION GOGGLES (NVG)

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





TRAINING & SERVICES

SERVICES

HORIZON

GENERAL AVIATION COURSES

FLIGHT SAFETY

AVIATION GROUND SAFETY

AIRCRAFT ACCIDENT INVESTIGATION AND MANAGEMENT

AVIATION MANAGEMENT

CREW RESOURCE MANAGEMENT

MANAGEMENT OF FLIGHT SAFETY AND ACCIDENT INVESTIGATION

FLIGHT SAFETY OFFICER







TRAINING & SERVICES

SERVICES

LAHAB
MILITARY SERVICES

LAB SERVICES

ENGINEERING LAB

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

TRAINING LAB

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

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

Our training courses include:

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

TESTING LAB

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

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

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

SIMULATION LAB

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



BROCHURE

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VIDEO

CLICK TO VIEW



TRAINING & SERVICES
SERVICES
LAHAB
MILITARY SERVICES

SERVICE LIFE SURVEILLANCE

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

TESTING

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

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

INSIGHTS

Our SLS insights enable you to determine:

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

CONSULTING

In addition, we offer SLS consulting services including:

- Ammunition and explosives incidents and enquiries
- Ammunition management documentation

DEMILITARISATION AND DISPOSAL

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

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



TRAINING & SERVICES

SERVICES

REMAYA



BROCHURE

CLICK TO VIEW

XRANGE

TEST, VERIFY, PERFORM

THE REGION'S ONLY MULTI- DOMAIN TRAINING, TEST AND EVALUATION RANGE

XRANGE brings flexible, multi-domain Training, Test and Evaluation (TT&E) capabilities to the heart of the Middle East. Commercial and military customers can conduct complex, air, ground and maritime trials in a secure, instrumented and ultimately, safe environment. XRANGE allows our Global clients to test and verify the performance of their platforms, systems and munitions across their lifecycle - from concept design and acquisition to through to operational upgrades. XRANGE has the ability to cater for a wide range of platforms and systems, such as unmanned air, ground and maritime platforms, through to testing mission critical sensors and Electronic Warfare systems as well as conventional munitions. Our trials are delivered with support from our highly qualified teams of Test Engineers and Subject Matter Experts and underpinned by the gathering of critical trials data via modern surveillance assets, range telemetry, RF monitoring and data acquisition systems.

OUR SERVICES

- Trials Design and Execution
- Test And Safety Case Management
- Range Area Provision
- Trials Data Analysis and Instrumentation
- Test Range Management
- Turnkey Testing Support

A short 100km drive from Abu Dhabi city, XRANGE is located on a highly secure, access controlled island approximately 8km offshore. It is 35km by 15km, enabling a land danger area of 355km², inclusive of a 3.8-km-long, 60-metre-wide ICAO standard runway and a smaller 1.2KM long runway.

XRANGE provides airspace clearance up to 10,000ft which can be extended to 40,000ft when required and an additional 2,500km² of airspace can be activated via NOTAM. A 50km² sea danger area enables shallow water testing of maritime assets and systems.

Operationally accessible year-round and ideal for hot weather trials due to its arid, humid and dusty environment, the fully functional runway and ability to clear UAE customs on the island mean customers can fly directly into and out of XRANGE, simplifying logistics.



TRAINING & SERVICES

SERVICES

REMAYA



THE ISLAND

Located 100km from Abu Dhabi city, on a highly secure 355km² 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

REMAYA



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

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

- 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

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



TRAINING & SERVICES

SERVICES

ADASI



BROCHURE

CLICK TO VIEW

SKYEDGE ACADEMY

WORLD-CLASS TRAINING IN FPV DRONE OPERATIONS, UAVS AND OTHER AUTONOMOUS SYSTEMS

The ADASI SKYEDGE Academy equips UAE soldiers, Special Forces, and military graduates with unmatched skills in FPV drone operations. It provides them with a tactical edge in the field through hands-on training and cutting-edge AR/VR simulations. Participants learn to harness the power of FPV drones, as well as UAVs and other autonomous systems.

The curricula incorporate feedback from the UAE Armed Forces, ensuring UAE leadership in industry innovation and operational excellence. As well, a comprehensive tracking system monitors student performance, skill progression, and real-time status

Training location

- Al Ain REMAYA Curricula
- Turnkey solutions for UAV, FPV and autonomous systems training and development
- Active combat training to deliver tactical advantage for Special Forces
- Training and deployment of autonomous aerial systems
- Advanced facilities leverage AR/VR training sessions
- Incorporates feedback from UAE Armed Forces, ensuring UAE leadership, innovation and operational excellence in the UAV field
- Comprehensive tracking system monitors student performance, skill progression, and real-time status

EDGE



HOMELAND SECURITY

ETIMAD
HOMELAND SECURITY

HOMELAND SECURITY

Harnessing advanced technologies to help customers protect borders, critical infrastructure and public safety through the design, deployment and operation of sophisticated hardware, software and systems solutions.





HOMELAND SECURITY PRODUCT ETIMAD HOMELAND SECURITY



ANPR

The ETIMAD ANPR is a hardware-software solution for gate security, surveillance, monitoring and search. ANPR captures vehicle license plate images, converts them into digital text, and stores the data for use by law enforcement, and applications providing access control, parking management, and toll collection.

Camera dimensions (L x W x H):

395 mm x 120.8 mm x 127.8 mm

Resolution: 4 MP

Illuminators: Dual

Focal length: 2.7 mm-12 mm



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FLYER



CLICK TO VIEW

FLYER

MSU – MOBILE SURVEILLANCE UNIT

The ETIMAD MSU is an on-road and offroad mobile surveillance unit installed on a commercial four-wheel-drive truck. Equipped with radars and electro-optical infrared sensors, it is an ideal solution for ground surveillance, including as a gap filler, temporary surveillance of a blind spot and/or part of an operation to augment and expand coverage of a fixed-surveillance sensor network.

Chevrolet Silverado (L x W x H): 6,759mm x 2,063mm x 2,039mm

Vehicle Platform: Chevrolet Silverado or Ford F-350

Height: 6 m (mast above ground level when deployed)

Deployment time: Less than 3 minutes

Operation time: 12 hours on batteries only (50 kWh); 24+ hours with battery-diesel generator combo

Sensor suite: Phased Array 2-D Pulse Doppler Radar; Cooled MWIR Electro-Optic Infrared Observation system



HOMELAND SECURITY

PRODUCT

ETIMAD
HOMELAND SECURITY



TYRE KILLER / ETK

The ETIMAD ETK is a tyre-puncture and vehicle disablement barrier designed to prevent unauthorised wheeled vehicle entry into restricted areas or access-controlled entry/egress routes. The system also provides an effective deterrent against vehicle-based threats.

Length: 1,000 mm

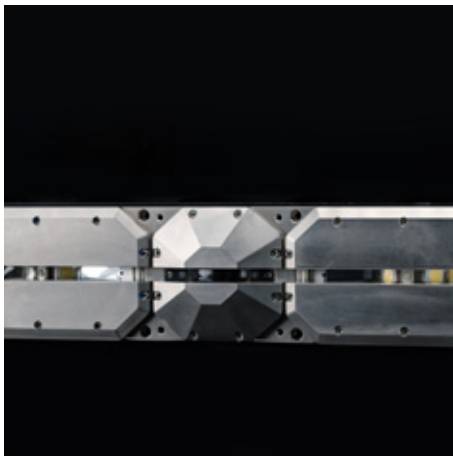
Width: 290 mm

Height: 110 mm



CLICK TO VIEW

FLYER



EUVSS

The ETIMAD EUVSS provides high-quality imaging of the entire vehicle undercarriage for comprehensive gate security. Using high-resolution cameras and sensors, EUVSS captures detailed images that can be analysed within 2-3 seconds for potential explosives, weapons, or contraband.

- High-resolution undercarriage imaging
- Auto digital line scan
- 2-3 second decision response time
- Wide vision for use on diverse vehicle sizes
- Imaging and analysis conducted on moving vehicles
- Different vehicle speeds accommodated



CLICK TO VIEW

FLYER



HOMELAND SECURITY PRODUCT ETIMAD HOMELAND SECURITY

HS-350

The ETIMAD HS-350 is a high-speed threat simulation training drone. Manufactured of composite material, the platform is ideal for radar detection training. The drone has a 5kg payload weight, allowing it to carry a range of training systems and sensors.

Wingspan: 2.3 m

Length: 1.8 m

Height: 0.4 m

MTOW: +30 kg

Maximum speed: 350 km/h

Cruising speed: 280 km/h

Operating ceiling: 20,000 ft

Maximum ceiling: 25,000 ft

Endurance: 40 minutes

Payload weight: +5 kg

Engine: 22 kg thrust (jet)

VSC-521

The ETIMAD VSC-521 provides a secure, encrypted end-to-end voice conference solution that protects voice and video conferencing, calls and screen sharing. With both ECECC-521 bit and AES-256 bit security, the solution features industry-standard and military-grade encryption

- Video and audio conferences
- End-to-end encryption
- Industry-standard and military-grade encryption
- Easy registration
- Low-bandwidth codec
- H-264 video codec
- Supports HD quality



HOMELAND SECURITY PRODUCT ETIMAD⁺ HOMELAND SECURITY

LONG-RAIL MOBILE LAUNCHER

The ETIMAD Long-Rail Mobile Launcher is a portable drone catapult launcher capable of propelling a wide range of drones up to 150 kg at speeds up to 99km/h.

Dimensions (L x W x H): 7m x 2m x 3m

Metal frame

Elevation: Up to 12°

Compatible platform weight: up to 150 kg

Launch speed: up to 36km/h

CIPHER-GATE

The ETIMAD Cipher-Gate is a portable hardware-only solution that provides secure point-to-point communication – from video and audio calling to transfer of encrypted files.

Dimension (L x W x H): 22 cm x 22 cm x 12 cm

Encryption: End-to-end

Communication protocols: Compatible with standard and custom protocols

Connectivity: Supports Ethernet networks at multiple speeds (100/1000 Mbps)

Processing: Hardware-based solution. No software-only encryption



CLICK TO VIEW

FLYER



HOMELAND SECURITY PRODUCT

ETIMAD

HOMELAND SECURITY

OMNISHIELD

The ETIMAD OmniShield is a centralised data integration and management platform that brings together resources, communication, and operational oversight to help enable seamless operation of diverse functions, including law enforcement, emergency response, border control, land and coastal monitoring, critical infrastructure monitoring, defence and intelligence.

- Centralised data integration
- Advanced communication system
- AI-powered decision support
- Multi-sensor fusion
- Cybersecurity and resilience
- Modular and scalable design
- Public and private partnership integration



CLICK TO VIEW

FLYER

PE-02

The ETIMAD PE-02 is a long-range threat simulation training drone. Manufactured of composite material, the platform is ideal for radar detection training. The drone has a 10kg payload weight, allowing it to carry a range of training systems and sensors.

Wingspan: 2.6 m

Length: 3 m

Height: 0.6 m

MTOW: +110 kg

Maximum speed: 240 km/h

Cruising speed: 170 km/h

Operating ceiling: 10,000 ft

Maximum ceiling: 12,000 ft

Endurance: +8 hours

Payload weight: +10 kg

Engine: 20 hp



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SKYBOLT

The ETIMAD Skybolt is a 3D-printed, fully electric Vertical Take-Off and Landing (VTOL) aircraft designed for surveillance and security monitoring, reconnaissance, and air defence training. It features multi-mode control capabilities, including 4G, manual, and GPS-based autonomous operation, ensuring reliability and efficiency in diverse training applications.

Dimensions (L x W x H): 3.2m x 2.5m x 0.6 m

Propulsion: Electric motor

Control modes: 4G network, manual, and autonomous GPS based navigation

Payload: Up to 2 kg

Range: 50 km (on a single charge)

Endurance: 80 minutes of continuous operation

Materials: Lightweight 3-D-printed composites



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SPF100

The ETIMAD SPF100 is a stationary, multi-sensor anti-drone station capable of detecting, identifying, tracking and intercepting remote intrusions by unmanned aerial vehicles. Providing 360-degree coverage, the solution features radar and PTZ data fusion, with full frequency and coverage and reactive intelligent jamming.

- End-to-end anti-drone station, 360-degree coverage
- Radar and PTZ data fusion
- Full frequency and coverage and reactive intelligent jamming
- +300 drones in the database (continuously updating)



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WiSPR

The ETIMAD WiSPR is a comprehensive maritime command, control, communications and computers (C4) platform that leverages AQ-DNR (Advanced Quality Dynamic Noise Reduction) to deliver clear, noise-free communications onboard naval vessels and vehicles.

- Leading-edge Dynamic Noise Reduction (DNR) technology
- Real-time, intra-vessel ad-hoc voice, data and video communications over copper, fibre, Radio Software Defined Tactical Radio interface (SDTRi)
- Seamless software-controlled radio integration
- RoIP (Radio over IP) technology
- Seamless integration with legacy and modern vehicle subsystems for Health and Usage Monitoring Systems (HUMS) over CAN BUS, Serial, Ethernet



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