

# FUTURE TECHNOLOGY FOR DEFENCE. NOW.





CYBER DEFENCE



MISSION

SUPPORT



ELECTRONIC WARFARE & INTELLIGENCE



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#### 

# WEARE EDGE

#### A D V A N C E D T E C H N O L O G Y F O R T H E REAL WORLD

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 will not only revolutionise the defence industry, but we will change its fundamentals. We are the vanguard of the next-generation, of a reimagined sector. We prioritise technology in a non-binary world and seek universal solutions. We work with everyone: big or small, start-up or established, local or global.

We are EDGE. We enable a secure future.

#### BY THE NUMBERS





25+ ENTITIES



#### OUR FIVE CLUSTERS

Our specialist clusters are the beating heart of our business and are centres of excellence in their own right. Structured to consolidate skills and experience, they each foster cross-collaboration and knowledge sharing. The result is an operating model that focuses on outcomes – and gets results.



PLATFORMS & SYSTEMS



MISSILES & WEAPO'NS



C Y B E R D E F E N C E



ELECTRONIC WARFARE & INTELLIGENCE



MISSION SUPPORT



# PLATFORMS & SYSTEMS







AL TAIF NIMR

#### PLATFORMS & SYSTEMS

Design, manufacturing, assembly, MRO, upgrades, modifications and system integration for advanced air, land and sea platforms.



PROPULSION & LAUNCH SYSTEMS



SHIPS



AUTONOMOUS SYSTEMS



ARMOURED VEHICLES



NON - ARMOURED VEHICLES



SYSTEM INTEGRATION

## PIONEERING AUTONOMOUS CAPABILITIES





#### **CORE BUSINESS**

ADASI acquires, operates, customises and maintains state-of-theart autonomous systems for air, land and sea.

ADASI offers product, system and sub-system design, development, testing, commissioning and maintenance for autonomous systems, as well as front-line operator and support training.

#### DIFFERENTIATORS

- Complete UAV & UGV platform development
- Battlefield operational capability
- Mobile ground station systems
- Maintenance, retrofit and upgrade services
- Robust, customisable UAV training courses







IN-PRODUCTION

#### GARMOOSHA

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

MTO Weight: 600kg Endurance: 8 hours Payload: 150kg Max. Speed: 140km/h VTOL Capability: Yes







**IN-SERVICE** 

#### AEROSTAT 200/300/400

A low-maintenance, reliable, and fastdeploy / re-deploy unmanned solution for defence and commercial customers in a user friendly and 'soldier proof' technology that helps ensure mission success.

Endurance: Multi-week deployment (weather dependent)
Payload: Large size, heavy & multiple mission systems
Stability: No or low vibration for sensitive systems
Power: Sustained ground-based power supply
Reliability: Few moving parts result in long MBTF









#### 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 ammunition shell: 2.5kg Max operating speed: 80m/s Flight control: Fully autonomous Guidance: GPS INS Current targeting: Fixed coordinates Max dive angle: 70 degrees



CLICK TO VIEW

CLICK TO VIEW



IN-PRODUCTION

#### RASH - 2 M

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

Weight of guided munition: 14.5kg Max operating speed: 150m/s Flight control: Fully autonomous Guidance: GPS INS Current targeting: Fixed coordinates / target of opportunity

Max dive angle: 70 degrees











IN-DEVELOPMENT

#### **QX-1 LOITERING MUNITIONS**

Provides military forces with an effective small-footprint tool to make discreet, targeted attacks with accuracy and effectiveness.

**Backpack storage and transport** Vertical take-off **On-board video feed** Cruising altitude: 1,000' Range: 10km Endurance: 20min MTOW: 3kg







IN-DEVELOPMENT

#### **QX-2 LOITERING MUNITIONS**

Provides infantry and special forces with a portable drone capable of carrying and delivering a precision-guided weapon or deploying in kamikaze configuration.

Vertical take-off and landing EO/IR payload **Extended loitering time** Ceiling altitude: 2,000' Cruising altitude: 1,000' Range: 20km Endurance: 30min MTOW: 8kg Payload mass: 1.5kg Engine type: Electric



CLICK TO VIEW











#### **QX-3 LOITERING MUNITIONS** The ADASI QX-3 loitering munitions

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

Extended loitering time Onboard video surveillance Transportable via light vehicle Ceiling altitude: 2,000' Cruising altitude: 1,000' Range: 40km Endurance: 40min MTOW: 20kg Payload mass: 6kg Engine type: Electric









#### **QX-4 LOITERING MUNITIONS**

The ADASI QX-4 loitering munitions system puts a powerful aerial capability in the hands of infantry and special forces through a 20kg UAV with a capacity of up to two precision-guided munitions.

Extended loitering time On-board video surveillance Transportable via light vehicle Ceiling altitude: 2,000' Cruising altitude: 1,000' Range: 40km Endurance: 90min MTOW: 20kg Payload mass: 1 x 5kg / 2 x 2.5kg Engine type: Electric











#### **ARMED ROBOTIC VEHICLE (ARV)**

The NIMR AJBAN 440 Armed Robotic Vehicle (ARV) system provides an advanced, rapidly deployable, mobile and durable unmanned ground vehicle integrated with a remote controlled weapon station (RCWS)

**Battlefield Engagement** Counter-terrorism Surveillance & Reconnaissance Integrated communication with other **UGV** types



CLICK TO VIEW

Portable and separate remote control for UGV and RCWS Manned & Unmanned - Manual, semi and autopilot drive Communication range: >12km LOS **Unmanned recommended max speed:** 50km/h





#### **SCORPIO-M**

Designed for Special Forces deployment, SCORPIO-M Mini UGV, provides situational awareness in open-air and indoor urban environments.

Integrated communication with other **UGV** types

Portable, can be directly controlled from the SCORPIO-M ground station

**Manual drive Multi-visual awareness** Payload: 10kg **Speed:** 10km/h (flat/hard surface) **Communication range:** 0.5km (indoors) 0.5km (LOS)

Endurance: 2 hours Gradient: 40° slope Climbing: Stairs up to 200 mm or 8" riser Power: Battery powered (Li-Ion)













IN-DEVELOPMENT

#### **SCORPIO-S**

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

Integrated communication with other UGV types Portable combined remote controller with control panels for the UGV, RWS and PTZ system. Manual, semi- and auto-pilot drive Easy operation and maintenance Unit weight: 195kg Payload: 100kg Speed: 12.9km/h (flat/hard surface) Communication range: 1.5km (indoors) 3km (LOS) Endurance: 4 hours

Gradient: > 45° slope Climbing: Stairs up to 300 mm or 12" riser





# 

### BEYOND SHIPBUILDING

#### **CORE BUSINESS**

ADSB specialises in providing a complete range of maritime solutions from ship building to refurbishment.

With state-of-the art designs, a skilled workforce, and comprehensive technical experience, ADSB offers excellent shipyard facilities, superior integration capabilities, and precision steel fabrication.

#### DIFFERENTIATORS

- Over two decades of operational experience
- In-house shipyard workshops for faster turnaround
- MENA region's most extensive OEM relationships







#### 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: 16m Beam OA: 3.89m Draft: 0.87m approx. Speed: 30kn approx. (With 5t load) Complement: up to 25 crew Diesel: 2 x 1000L Water: 100L Propulsion: 2 x waterjets









#### **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: 0.87m approx. Speed: 30kn approx. (with 5T load) Complement: Up to 25 crew Diesel: 2 x 1,000 litres Water: 100 litres Propulsion: 2 x waterjets



BROCHURE









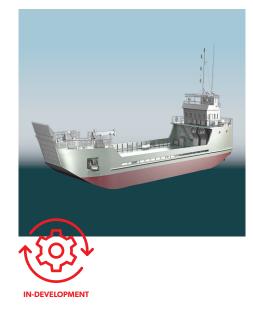
#### **160 SEA KEEPER**

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 Beam OA: 3.89m Draft: 0.7m approx. Range: 325 nautical miles Propulsion: Twin Rolls Royce Kamewa waterjet model FF375S







#### **42-METRE NAVAL LANDING CRAFT**

The 42-metre Naval Landing Craft offers an ideal amphibious solution for the navy. Already in service with the UAE Navy, Royal Bahrain Navy and Kuwait Navy, this vessel features a heavy-duty steel construction and cargo deck layout that makes it ideally suited to the deployment of vehicles, troops, equipment, fuel, and water to support general supply missions at sea.

#### LOA: 43m

Beam moulded: 10m Draft: 2.2m Displacement: 380 tonnes Maximum speed at light load: 9-10Kn Range at maximum speed: 1,000 nautical miles Fuel capacity: 60,000 Litres Main engine: Twin Caterpillar C18 Propulsion system: Twin fixed-pitch propellers



CUCK TO VIEW







#### **BAYNUNAH CLASS 71m CORVETTE**

The 71-metre Baynunah Class Corvette provides the UAE Navy with a multirole surface vessel capable of sustained operations throughout the GCC region. This unique corvette class of warship can perform diverse missions, including coastal patrol and surveillance, mine detection, helicopter operations, maritime interdiction, support to friendly forces, and possess multi-dimensional anti-air and anti-surface capabilities. LOA: 71.3m Beam: 11m approx. Draft: 3.5m approx. Speed: 29 kn Complement: 55 officers and crew Endurance: 14 days **Propulsion:** 3 x Kamewa waterjets model 112S11 and 125B11





#### **36FLEX PATROL VESSEL**

The 36FLEX Patrol Vessel provides a versatile platform to meet all your maritime defence, surveillance, law enforcement, and search-and-rescue requirements to secure your territorial waters.

LOA: 36-42m Beam (moulded): 7.9m Draft: 1.35m Fuel: 30 tonnes Freshwater: 2 tonnes Propulsion: 2/3 Water jets, shaft, or SDS POWER: 4,000 –7,000kw SPEED: 28-50+ kn (Propulsion dependent) Cruise/patrol speed: 12kn













IN-PRODUCTION

#### 160 ITEP OB

The 16-metre inshore tactical and engagement platform (ITEP) Outboard Standard Version is a deep V-hull, making it lightweight and highly agile. Built under class and fitted out to high standards of design and engineering, the vessel can take on multiple operational roles. LOA: 16m Beam OA: 4.10m Draft: 0.85m approx. Load displacement: 15 tonnes approx. Speed: 45+ kn approx.@ full load (Sea State 1) **Complement:** 2 gunners + 4 crew Diesel: 400 litres Petrol: 2200 litres Freshwater: 88 litres **Propulsion:** 4 x 350hp outboard engines









#### **160 ITEP IB**

The 160 ITEP IB Version features a deep V-hull and two waterjets , providing not only a tactical advantage in shallow waters, but also exceptional seakeeping abilities, performance and efficiency. LOA: 16M Beam OA: 4.10M Draft: 0.85M approx.

Load displacement: 15T approx.

**Speed:** 45+ kn approx. @ Full load (Sea State 1)

Complement: 10 crew Diesel: 400 litres Petrol: 2,200 litres

Freshwater: 88 litres

**Propulsion:** 2 x waterjets/2 x 1,000hp inboard diesel engines











#### 160 ITEP LC

The 160 ITEP LC Version is equipped with a long cabin to accommodate more personnel providing fleet flexibility to perform more personnel-intensive missions. LOA: 16m Beam oa: 4.10m Draft: 0.85m approx. Load displacement: 15t approx. Speed: 45+ kn approx. @ Full load (Sea State 1) Complement: 10 crew **Diesel:** 4001 Petrol: 2200 Freshwater: 88 **Propulsion:** 4 x 350hp outboard engines





VIDEO





IN-PRODUCTION

#### **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: 3.1M Draft: 0.52m approx. Load Displacement: 5.5T approx Speed: 60+ kn approx. @ full load (Sea State 1) Complement: 6 crew Petrol: 1,000 litres Water: 88 litres Propulsion: 3 x 400hp outboard engines











#### 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







# AL JASOOR

ADVANCED VEHICLES FOR TOMORROW'S MISSIONS

#### **CORE BUSINESS**

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Al JASOOR is the exclusive supplier of the Rabdan 8x8, an Armoured Fighting Vehicle and Rabdan 6x6, an Infantry Fighting Vehicle - offering unique operational advantages on land and in the water.

Al JASOOR provides an integrated suite of military-grade support services for the Rabdan.

#### DIFFERENTIATORS

- Exclusive supplier of Rabdan 8x8 and 6x6
- 20-year parts, tools & technical support agreement
- Local retrofitting and customisation











#### **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 ASOOR 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 30,000 kg Seating capacity: Up to 12 personnel Max. speed: 105km/h Max. amphibious speed: 9km/h

AL JASOOR









CLICK TO VIEW



#### **RABDAN 6x6 IFV**

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

Engine: Turbo charged diesel engine 450 HP Transmission: Automatic GVW: Up to 22500 kg Maximum Crew Capacity: Up to 10, including driver and commander Ground Clearance: 420 mm

# AL TAIF

## OUR MISSION. YOUR READINESS.

#### CORE BUSINESS

AL TAIF specialises in life-cycle support for land platforms and systems.

The company adopts a multi platform approach to deliver end-to-end support in maintenance, repair, overhaul, supply chain management, technical training and engineering.

#### **DIFFERENTIATORS**

10

- State-of-the-art workshops and facilities
- Extensive services delivered against rigorous timelines
- Premium-quality MRO services
- Experienced training staff
- Big Data and Analytics for effective maintenance forecasts
- Technical expertise and in-house engineering capabilities

# AL TAIF





#### **MRO SERVICES:**

- Vehicle Rebuild & Repair
- Vehicle & Component Upgrade
- Painting & Welding
- Major Assembly
- Vehicle Electronics & Electrical Components Repair







### SUPPLY CHAIN MANAGEMENT SERVICES:

- Receipt, Storage & Issuance of Spares & Repairables
- Order Fulfilment & Distribution
- Inventory Control
- Procurement
- Demand Analysis & Reporting
- Preservation & Packaging
- Cataloguing







#### **ENGINEERING SERVICES:**

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



#### **TRAINING SERVICES:**

- Specialised Curriculum Development through Training Needs Analysis (TNA)
- Systems Approach to Training (SAT)
- Mechanical, Electrical, Electronics & Allied Trade Training
- Virtual & Augmented Reality Training
- Transfer of Technical Skills to Clients

# 

CONQUER THE ELEMENTS GAIN THE ADVANTAGE.

#### **CORE BUSINESS**

NIMR is a global player in the light- and medium-weight wheeled military vehicles market with combat-proven platforms designed for some of the harshest environments.

NIMR solutions are tailored to end-user requirements and incorporate customer feedback and combat experience, coupled with third-party independent certification to meet the most stringent international standards.

#### DIFFERENTIATORS

- Largest military vehicle manufacturer in the region (37,500-sqm facility)
- In-house design, engineering and R&D teams
- Over 2,500 vehicles in-service
- State-of-the-art electro-magnetic compliance (EMC) chamber 1st in the Middle East
- Full blast and ballistic qualification test range







#### HAFEET MK2

The HAFEET MK2 is a multi-role armoured personnel carrier platform that offers a range of configurations including a monocoque, V-hull unit structure integrated with engine protection to provide STANAG 4569 AEP-55 standard blast protection for crew and passengers.

Engine power: 360hp @ 2600rpm Engine torque: 1,100Nm @ 1400rpm Transmission: 6-speed automatic Cruising range: 650km @ 100km/h GVW: 16,500kg Payload: 3,000kg









#### AJBAN MK2

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

Engine power: 220kW/296hp @ 2500rpm Engine torque: 1100Nm @ 1500rpm Top speed: 110 km/h Cruising range: 700 km @ 100km/h GVW: 11,500kg Payload: 2,500kg











#### JAIS 4X4

Provides the essential balance between fire-power, survivability, mobility, and cost needed for modern, conventional, and asymmetric operations. The vehicle can accommodate a full-motorised infantry section with a manned turret or remote weapon system.

Engine power: 336kW / 450hp Engine torque: 1,850Nm Maximum speed: 105km/h Cruising range: 700km GVW: up to 21,000kg Payload: 3,200kg









# MISSILES & WEAPONS



#### MISSILES & WEAPONS

Research & development, design and manufacturing of munitions, autonomous, light, complex, directed-energy weapons and missiles.



LIGHT & HEAVY MUNITIONS



GUIDED PRECISION



LIGHT WEAPONS



HEAVY WEAPONS



DIRECTED ENERGY WEAPONS



AUTONOMOUS WEAPONS



SHOOTING RANGES

# ALTARIQ

## POWERED BY PRECISION

#### **CORE BUSINESS**

Manufacturer of the mission-proven Al Tariq – a modular family of Precision Guided Munitions used on MK series weapons. AL TARIQ converts unguided aerial weapons into high-precision, long-range focused munitions.

#### **DIFFERENTIATORS**

- Mission-proven precision guided weapons
- ITAR-free solution
- International Quality certifications (AS 9100 certified company)









CLICK TO VIEW





#### **AL TARIQ LR**

Al Tariq is a cost effective, modular family of Precision Guided Munitions designed for the MK series aerial bombs. It is an advanced tactical solution with all-weather, day or night operational capability through its use of GNSS/INS navigation capabilities.

- Single modular kit for the MK series weapons
- Stand-off range up to 120 km
- ITAR-free solution
- Compatible with any platform
- Three seeker options for enhanced precision
- Single system for unified training, operations, integration
- In-the-field reconfiguration for changing mission





## HITTING THE MARK

#### **CORE BUSINESS**

CARACAL is a regional leader in the design, manufacture, testing and assembly of small arms from 9mm to 12.7mm calibre, including Combat Pistols, Sub-machine Guns, Tactical Rifles and Sniper Rifles.

#### DIFFERENTIATORS

- The most rigorous testing
- State-of-the-art manufacturing facilities
- Latest technologies, including 3D-printing
- 15-year heritage as first firearms manufacturer in GCC



#### PRODUCTS



#### **CAR 816**

The CAR 816 is a centre-fire, gas-operated tactical rifle, chambered in 5.56x45 mm NATO. The CAR 816 is a tactical weapon designed for the high-end use of law enforcement and military applications.

Calibre: 5.56 x 45 mm NATO Operating principle: Gas operated, piston Modes of fire: Safe, Semi-auto, Auto Trigger type: MIL-SPEC Magazine capacity, rnd.: 30 Buttstock: Adjustable length (6 positions)



CLICK TO VIEW

#### **CMP9 SMG**

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

Calibre: 9 x 19 mm Muzzle thread: 28 ½ UNEF Magazine: 30 rounds Stock: Telescopic, min-3 positions Trigger: STD MIL-SPEC Fire control: Safe, semi, and automatic Bolt catch / Magazine catch: Ambidextrous







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

Slide length: 178 mm Barrel length: 104 mm Weight: 670 g (without magazine) Calibre: 9 x 19 mm

**Trigger system:** Short reset double action

### Magazine capacity: 18 Grip frame: Polymer

#### **CSR 50**

IN-PRODUCTION

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

Calibre: 12.7×99mm NATO/.50 BMG Overall length (extended/collapsed): 1454 mm/1168 mm Weight w/o magazine, sights & bipod: 9.5 Kg (lightest in its class) Magazine: 10 rounds Barrett M82 / M107A1 **Grip:** Black, polymer storage compartment Fire Control Selector: Ambidextrous Magazine catch: Ambidextrous

#### **CARACAL F GEN II**

Magazine catch: Ambidextrous













## CARACAL PRODUCTS







#### **CAR 817 DMR**

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

Calibre: 7.62x51mm NATO (.308 WIN) Barrel length: 16" and 18" Weight w/o magazine: 4.9 kg (10.8 lbs) Magazine: 20 rounds, 10 rounds Trigger: MIL-SPEC two-stage match trigger Fire Control: Safe and semi-auto Magazine Release: Right side only / ambidextrous





LICK TO VIEW

#### **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 (.308 WIN) Barrel length: 12.5", 14.5" and 16" Weight w/o magazine: 3.73 - 3.91 kg (8.22 - 8.62 lbs) Magazine: 20 rounds, 10 rounds Trigger: MIL-SPEC Fire Control: Semi-auto, full auto Buttstock: Adjustable length (6 positions)



#### **CSR 338**

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

Calibre: 0.338 Lapua Mag Overall length (extended/collapsed): 1286 mm / 1015 mm Weight w/o magazine, sights & bipod: 6.35 Kg Magazine: 10 rounds magazine Grip: Black, polymer storage compartment Fire Control Selector: Ambidextrous Magazine catch: Ambidextrous

#### **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: 0.308 Win Overall length (extended/collapsed): 1159 mm / 888 mm Weight w/o magazine, sights & bipod: 5.1 Kg (lightest in its class) Magazine: SR-25 Mag type Fire Control Selector: Ambidextrous Magazine catch: Ambidextrous

PRODUCTS









CARACAL

# HALCON

PRECISION. ACCURACY. PERFORMANCE.

#### **CORE BUSINESS**

HALCON develops and manufactures precision- guided weapon systems to support customers achieve their operational and tactical goals. HALCON leverages world-class intellectual property assets, new IP creation, and advanced facilities to deliver cost-effective, highperformance systems.

#### **DESERT STING-35**

HALCO

#### DIFFERENTIATORS

- In-house advanced manufacturing capabilities
- High-tolerance, high-precision components and sub-systems
- Full assembly line services
- All systems are tested and delivered in compliance with leading military standards
- Extensive logistic support services of all its products

#### **THUNDER P-32**

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

Gross weight: 240kg Warhead: 209kg Accuracy: 3m CEP GAINS + SAL seeker/10m CEP GAINS only Range: 24km

IN-PRODUCTION

THUNDER - P32

#### **THUNDER P-31**

IN-PRODUCTION

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

THUNDER - P31

Gross weight: 140kg Warhead: 110kg Accuracy: 3m CEP GAINS + SAL seeker /10m CEP GAINS only Range: 27km













CLICK TO VIEW







HALCON PRODUCTS

#### **DESERT STING (DS-16)**

IN-PRODUCTION

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

**DESERT STING 16** 

Gross weight: 23kg Warhead: 15kg Accuracy: 3m CEP GAINS + SAL seeker/10m CEP GAINS only Range: 16km

DESERT STING 25

HALCON

#### **DESERT STING (DS-25)**

IN-DEVELOPMENT

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

#### Gross weight: 45kg Warhead: 25kg Accuracy: 3m CEP GAINS + SAL seeker/10m CEP GAINS only Range: 16km











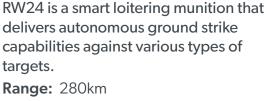








## HALCON PRODUCTS



Endurance: < 2hr.

**RW-24** 

Cruise speed: > 130km/h **Deployment time:** < 20min **Aircraft mass at launch:** < 45kg

Payload: 8kg

#### SKYKNIGHT

IN-DEVELOPMENT

IN-PRODUCTION

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

SkyKnigh

#### **MISSILES**

RAM threats: 4,000m PGM and CM: 6,000m Rotary wing and UAV: 10,000m Fixed wing: 10,000m / 8,000m

**GUNS** (employing the applicable AHEAD ammunition version) FW/RW: 4,000m Mortars, small UAVs: 1,500m

#### **RATE OF FIRE**

Up to 4 x RG Mk3 guns: 1,000 rounds/ minute per gun Up to 20 x missiles simultaneously per MLU Up to 80 x missiles in flight at the same time

For further information please contact enquiries@edgegroup.ae

#### **MISSILE PARAMETERS**

Length: 2.2m Diameter: 115mm Wing span: 3









52 | HALCON







## PRODUCTS

#### **HAS-250 ANTI-SHIP MISSILE**

IN-DEVELOPMENT

The HAS-250 Anti-Ship Missile features a seeker with an active/ passive radar radio altimeter for greater precision against naval and coastal targets.

Gross weight: 1,200kg Warhead: 200kg Seeker: Active/Passive Radar Radio Altimeter Range: 250km

#### IN-DEVELOPMENT **SHADOW 25**

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

Take-off weight weight: 80kg Payload: 25kg Endurance: 1 hour Cruising speed: 450km/h Engine: |et Range: 250km











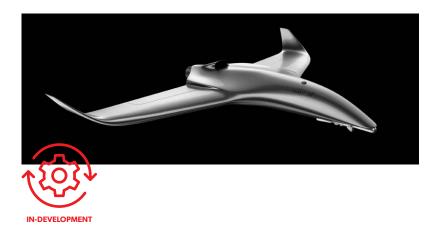
















BROCHUR



#### **SHADOW 50**

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

Take-off weight: 85kg Payload: 50kg Endurance: 40 minutes Cruising speed: 200 km/h Engine: Turbojet Range: 120-140km CLICK TO VIEW







IN-PRODUCTION

#### LOGIR AIRBORNE LAUNCHER SYSTEM

HALCON's LOGIR Airborne Launcher System (ALS) provides a surface warfare (SUW) capability to counter fast inshore attack craft (FIAC).

Weight (missile): 15kg Weight (warhead): < 4 kg Guidance: Mid guidance [INS] Terminal Guidance [IIR Homing] Maximum range: 8 km Target tracking: Automatic tracking Maximum missile load: 4 rounds

IN-PRODUCTION

#### LOGIR GROUND LAUNCHER SYSTEM

HALCON's LOGIR Ground Launcher System (GLS) provides a surface warfare (SUW) capability to counter fast inshore attack craft (FIAC).

Weight (missile): 15kg Weight (warhead): < 4kg Guidance: Mid guidance [INS] Terminal Guidance [IIR Homing] Maximum range: 8km Target tracking: Automatic tracking Maximum missile load: 8 rounds









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#### PRODUCTS

IN-PRODUCTION LOGIR NAVAL LAUNCHER SYSTEM

HALCON's LOGIR Naval Launcher System (NLS) provides a surface warfare (SUW) capability to counter fast inshore attack craft (FIAC).

Weight (missile): 15kg Weight (warhead): < 4kg Guidance: Mid guidance [INS] Terminal Guidance [IIR Homing] Maximum range: 8km Target tracking: Automatic tracking Maximum missile load: 12 rounds









## HALCON PRODUCTS

#### LOGIR GUIDED ROCKET

IN-PRODUCTION

HALCON's LOGIR (Low-cost Guided imaging Rocket) is a multiplatform guided rocket providing forces with a surface warfare (SUW) capability to counter fast inshore attack craft (FIAC).

0

Weight (missile): 15kg Weight (warhead): 4kg Guidance: Mid guidance [INS] Terminal Guidance [IIR Homing] Maximum range: > 8km **Maximum missile load:** Ground launcher [8 Rockets] Naval launcher [12 Rockets] Airborne launcher [4 Rockets]









## 

INNOVATING TOMORROW'S MUNITIONS .

#### **CORE BUSINESS**

AAAA

LAHAB is the UAE's only munitions manufacturer with a nearly 25-year heritage serving defence, law enforcement and sport clients. LAHAB develops and qualify small arms, infantry, artillery and aircraft munitions, in addition to offering munitions testing and demilitarisation services.

#### DIFFERENTIATORS

- US & UK MIL Spec, NATO, SAAMI and CIP specifications compliant
- Comprehensive in-house testing, analysis and certification
- Constant innovation and process improvement
- Close client collaboration and partnership.













**IN-PRODUCTION** 

#### **SMALL CALIBRE**

- 9 x 19 mm Blank .
- 9 x 19 mm Ball (124 Grains)
- 9 x 19 mm Luger Ball (115 Grains FMJ) .
- 9 x 19 mm Luger Ball (124 Grains FMJ) CIP .
- 9 x 19 mm Luger (124 Grains CP/Fully Encapsulated) .
- 9 x 19 mm IMI (115 Grains Solid/Leadless) .
- 9 x 21 mm Ball (124 Grains FMJ) CIP .
- 9 x 21 mm Ball (124 Grains) .
- 9 x 21 mm IMI (124 Grains CP/Fully Encapsulated) .
- 9 x 21 mm IMI (115 Grains CP/Fully Encapsulated) .
- 9 x 21 mm IMI (115 Grains Solid/Leadless) .
- .38 Super Ball (124 Grains FMJ) CIP .
- .38 Super Ball (124 Grains) .
- .40 S&W Ball (170 Grains) CIP
- .40 S&W Ball (170 Grains)





#### PRODUCTS - SMALL CALIBRE



#### **SMALL CALIBRE**

- 5.56 x 45 mm Blank (M200)
- 5.56 x 45 mm Ball (M855)
- 5.56 x 45 mm Ball (M193)
- 5.56 x 45 mm Tracer (M856)
- 5.56 x 45 mm Tracer (Infra-Red)
- . .223 Remington (55 Grains Ball)
- .223 Remington (69 Grains HPBT)
- .223 Remington (77 Grains HPBT)
- 6.5 x 48 mm Creedmoor Ball (120 Grains)
- 6.5 x 48 mm Creedmoor cartridge Ball (120 Grains)
- .300 BLK Ball (145 Grains)
- .308 Winchester Ball (150 Grains)
- .338 LM (250 Grains)



#### **PRODUCTS -** MEDIUM AND LARGE CALIBRE

32 x 40mm HEDP AE1501A1 HV BLT EBM19D601-<u>001</u>







CLICK TO VIEW

## 

#### GRENADES

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



#### **MORTARS**

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





#### **PRODUCTS -** MEDIUM AND LARGE CALIBRE



#### **ARTILLERY AMMUNITION**

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



#### **AIRCRAFT BOMBS**

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

# REMAYA

BUILDING SKILLS. BUIDLING RESILIENCE.

#### **CORE BUSINESS**

REMAYA is a global leader in creating and delivering military-grade shooting ranges.

Military Shooting Ranges – bespoke design, build and operate custombuilt live fire training ranges.

- Remaya Training Centre provide a realistic environment for training.
- Range Staff Certification.

#### DIFFERENTIATORS

- Complete turnkey solutions for military-grade shooting ranges
- Integrated design software using VR Imaging
- Smart robotics to simulate soft targets
- Fully customisable training centre
- Integrated software solution across all client ranges for range booking, training data and performance records with automatic reporting with remote access.



## REMAYA SERVICES



- Project management •
- Range and training area design and construction
- Live fire target systems supply and installation •
- Video simulation supply and installation •
- Range management and control systems
- **Range management and operations** •
- **Procedure development** •
- Range maintenance. •

















#### **OBLIQUE MOVING TARGET**

The Oblique Moving Target is a highly sophisticated, self-driven system, which is mounted on a curved powered contact rail. It has a rotating and slicing target mechanism that can move at varying speeds, whilst ensuring the target face remains aligned to the firer's position



CLICK TO VIEW



#### **PISTOL LOMAH**

The Pistol LOMAH system is a world first, that utilises radar technology to allow zonal scoring of subsonic ammunition. When coupled with the H-Bar, this will allow the firer to carry out concurrent primary and secondary weapon drills in a single serial.

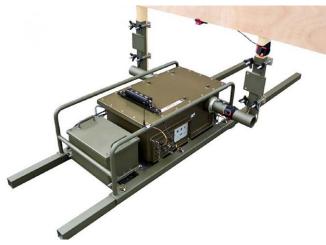






#### **TRIPLE LIFTER TARGET**

The TG 82-70 Triple Lifter Target consists of one lifting mechanism (up/down) with a triple target bracket system attached. It can be fitted with supersonic LOMAH, providing the firer with instant feedback on shot location via an IVDU. The mechanism can be controlled manually or with pre-programmed scenarios from the range computer or a Wi-Fi tablet



#### TANK TARGET MECHANISM

The TG 82-40 Tank Target mechanism provides normal pop-up function for tank target silhouettes up to full size flank targets. Raising and lowering the target boards is remote controlled via AROS. The mechanism is IP 67 protected and built and tested according military standards.







#### **ROBOT TARGET**

The Robotic Target Program completes the company's approach to providing a full spectrum live fire training capability solution. A step forward in the live fire training environment enhancing realism through semi-autonomous robotic targets with interactive behaviour and unpredictable reactions and movements.



#### PITTS PORTABLE INFANTRY TARGET SYSTEM

The PITS is a ruggedised target mechanism designed specifically for field firing. The targets are battery powered and operate via UHF signal with an up/down hit reaction which can be controlled manually or with preprogrammed scenarios, from the range computer or a Wi-Fi tablet. It is fitted with coloured & infrared (for use with night vision goggles) light systems. It is light weight with a convenient carry handle allowing one person to carry two systems at one time.







#### **BOX TARGET**

The TG 4002 Box Target consists of a target box fitted with a sensor array that guarantees exceptional accuracy for small arms. The electronics are sealed in an aluminium case making it suitable for both indoor and outdoor use. Besides a fix installed device it is also possible to use the Box Target as a portable solution or mounted on a moving system.



#### **TWIN TURNER TARGET**

The TG 82-70 Twin Turner Target has two rotary modules fitted to its lifting mechanism which enables independent target rotation response as well as standard up/down movement. It can be fitted with both supersonic and subsonic LOMAH, providing the firer with instant feedback on shot location via the use of an IVDU. Target movement can be controlled manually or with pre-programmed scenarios from the range computer or a Wi-Fi tablet.



## ELECTRONIC WARFARE & INTELLIGENCE

BEACON RED

SIGN4L

#### ELECTRONIC WARFARE & INTELLIGENCE

Electromagnetic weapons, surveillance, jammers and intelligence training.



PERSONNEL



VEHICLES



SHIPS



COMMUNICATIONS



NAVIGATION



TARGETING



RADAR

## BEACON RED

BUILDING CAPABILITIES, EMPOWERING NATIONS.

#### CORE BUSINESS

BEACON RED focuses on enhancing national security preparedness throughout the Middle East. Their core philosophy drives their client strategy: To adapt and evolve, disrupting the complacency of the statusquo in any complex environment. With innovative training solutions, assessment platforms, and precision testing, their programmes are not only timely and relevant, but reflect the transformative challenges nextgeneration national security professionals will face in the field.

#### **DIFFERENTIATORS**

- Ability to develop and scale training solutions based on dynamic client requirements – in near real-time
- Implement innovative training solutions that are deeply reflective of regional security trends and complexity
- Conduct and scale analytical testing and clinical-grade assessments to meet any client's unique performance and selection requirements
- Scalable workforce from the world's elite agencies and global industries, which can be mobilised on request

## **BEACON RED**

#### DEVELOP & IMPLEMENT TRAINING PROGRAMS

#### ANALYSIS

- Basic Analysis
- Accelerated Analysis
- Advanced Targeting
- Advanced Analysis
- Operational Analysis
- Counter Intelligence for Analysts

#### SURVEILLANCE

- Basic Field Surveillance
- Advanced Field Surveillance

#### **SECURITY AND INTELLIGENCE**

- Basic Questioning
- Internal Operations
- Accelerated Internal Operations
- External Operations
- Border Security & Intelligence
- Cameras and Devices Bugging operations
- Working Undercover for External
- Counter-intelligence for Operators
- Counter-Questioning
- Covert Action Fundamentals
- Covert Action Influence
- Covert Action Policy
- Foreign Liaison





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#### DEVELOP & IMPLEMENT TRAINING PROGRAMS

#### **CYBER SECURITY**

- Networking for Security Professionals
- Windows for Security Professionals
- Unix for Security Professionals
- Introduction to Python and Powershell Scripting
- Offensive Methodology And Analysis
- Capstone 1 Foundations
- Cyber Mission Simulation
- Enterprise Network Administration
- Open Source Intelligence
- Digital Forensics and Analysis
- Advanced Python and Powershell Scripting
- Security Concepts
- Advanced Offensive
- Methodology and Analysis

#### **PROFESSIONAL DEVELOPMENT**

- Self-Development
- Communication Skills and Teamwork
- Business Fundamentals
- Project Management and
- Organisational Skills
- Technology and Innovation Concepts
- National and International Concepts
- Intensive Writing
- Effective Presentation Skills
- Interpersonal Relationship Skills
- Critical Thinking

## **BEACON RED**

#### DEVELOP & IMPLEMENT TRAINING PROGRAMS

#### LEADERSHIP

- Leadership Fundamentals
- Advanced Leadership
- Culture Change Leadership
- Change Management for Teams
- High Performance Teams
- Strategy
- Crisis Management
- Planning and Resource Management
- Project Management
- Mentoring and Coaching
- Manager Development
- Leadership Capability Assessment

#### LANGUAGE TRAINING

- Bespoke Language Courses
- Language Proficiency &
- Performance Tests
- Immersions & Isolated Immersions
- Cross Cultural Competence & Regional

#### **TECHNICAL AND SPECIALIST**

- Covert Methods of Entry
- Electronic Locks
- Sensitive Site Exploitation
- Wall Drilling, Penetration
- and Device Placement
- Identity Alteration



DEVELOP & IMPLEMENT

TRAINING PROGRAMS



#### TSO - COVERT TECHNICAL SURVEILLANCE OPERATIONS (ATTACK)

- Covert Operator Selection Course (COS)
- Advanced Covert Technical
- Surveillance Methodologies
- Covert Disciplines & Operations
- Safety Procedures (CD&OSP)

#### **SPECIAL SKILLS**

- Basic Military Assessment and
- Selection Course (BMASC)
- Detainee Transport Course
- Advanced Search Course
- Close Quarter Battle Course
- Quick Reaction Force Course
- Close Personal Protection Course
- High Threat Course Level 1
- High Threat Course Level 2
- Taser X2

#### TSCM – TECHNICAL SURVEILLANCE COUNTER MEASURES (DEFEAT)

- TSCM Technician (Physical Search)
- TSCM Engineer (Spectrum Analysis)
- TSCM Team Leader
- TSCM Awareness Workshop for Security Managers

# SIGN4

CRITICAL DEFENCE. OPERATIONAL CONFIDENCE.

#### **CORE BUSINESS**

SIGN4L helps clients confidently secure and control the electromagnetic spectrum (EM), whether forces are in an offensive, defensive or support posture. This extends from EW camouflage and concealment to ensuring EW clarity across systems and platforms.

While addressing discrete organisational challenges and operational requirements, our solutions cover a wide range of EM and intelligence technologies.

#### DIFFERENTIATORS

- Leading edge Electro-Magnetic-focused solution development
- Exceptional global talent
- Fast-moving, solutions-focused start-up ethos

### SIGN4L PRODUCTS







#### **ACTIVE CELL-V**

A fully modular and adaptable system capable of multi-level mobile cellular signal manipulation. Targets can be detected, monitored, located and intercepted depending on user requirements.

- Locate targets.
- Intercept voice call and data connectivity.
- Mobile operation.
- Easy to use.
- Monitoring of complete network or specific targets
- Up to 16 high power Base Stations for simultaneous transmission across all available networks







IN-DEVELOPMENT

#### **ACTIVE CELL-B**

A man-portable covert low-power cellular system that allows detection, monitoring and location capabilities over 2G (GSM), 3G (UMTS) and 4G (LTE) network technologies.

- Locate targets
- · Intercept voice call and data connectivity
- Covert operation.
- Lightweight, ergonomic and easy to • use.
- Monitoring of complete network or specific targets, predefined or manually entered by operator
- Up to 6 BTS for simultaneous transmission across all available networks





CLICK TO VIEW









#### **V - PROTECT**

Designed and built in the UAE, the RF communication jamming system provides seamless and adaptable protection across relevant frequency bands and technologies. Integrated into a standard SUV, the system is quickly deployable and easily operated for multi-role applications

- Counter Remote Controlled Improvised
   Explosive Device (C-RCIED).
- Counter Drone measures.
- Mobile operation. Installed in a vehicle, the system is fully self-contained.
- Easy to use.
- Jamming of all frequencies associated with radios, walkie-talkies, mobiles and Wi-Fi.
- Different jamming types including active and reactive.
- Up to 16 wideband jammers for simultaneous operation across all bands.
- Graphical threat selection and topology.



#### NAVCONTROL-G

The NavControl-G system uses the most advanced GNSS counter-measures to provide robust defence against hostile unmanned aerial vehicles. Designed and built in the UAE, the NavControl-G produces covert GNSS denial and emulation with either single-point or dynamic spoofing to safely distance unmanned aerial vehicle threats

- Denying and emulating on-board GNSS satellite navigation system hardware
- Single-point or dynamic spoofing
- Tripod configuration
- Countermeasure Range: 50 km
- Weight: 30 kg



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## MISSION SUPPORT



#### MISSION SUPPORT

Arms, ammunition & platform supply, military consulting & advisory. Training for UAV controller, MRO for rotary-wing & fixed-wing aircraft, advanced security, leadership skills and tactical ops training.



**ROTARY-WING MRO** 



FIXED-WING MRO



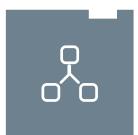
DESIGN AND ENGINEERING



INTEGRATED LOGISTICS SUPPORT



PARTS MANUFACTURING



TRAINING AND EDUCATION



INTEGRATION MODIFICATION & UPGRADES



FIRE, RESCUE AND EMERGENCY RESPONSE



ORGANISATION AND MISSION ASSESSMENTS

## AMMROC

EXPANDING THE BOUNDARIES OF MRO.

#### **CORE BUSINESS**

AMMROC provides industry-leading maintenance, repair and overhaul (MRO) services and integrated logistics support for the military and civil aviation sectors. Our capabilities allow us to undertake fleet-wide, Performance Based Logistics (PBL) programs for Air Force customers.

#### DIFFERENTIATORS

- The region's only authorised C-130 Service Centre, dynamic blade testing facility and depot MRO hub for comprehensive BLACK HAWK components; one of the region's largest military and civil MRO hangar capacities including a dedicated state-of-the-art strip / paint shop
- Delivering advanced military MRO services at our cutting-edge MRO facility in Al Ain, UAE, which is positioned as a one-stop-shop and integrated fleet sustainment hub

### 

#### **AIRFRAME SERVICES:**

- Nose to tail aircraft servicing
- Major and minor structural repairs
- Primary and secondary flight control repairs and replacements
- Aircraft Strip and paint
- Centre and outer wing replacements, repairs and modifications
- Battle damage repairs
- Aircraft crash recovery
- Deployable field teams
- AMMROC is currently the only Lockheed Martin certified C-130 / L-100 Service Centre in the MENA region







CLICK TO VIEW

#### **ENGINE SERVICES:**

At AMMROC, we offer in-depth engine expertise that ranges from turbo props, turbo fans and turboshafts, to fighter jet engines, auxiliary power units (APU), quick engine change (QEC) components and accessories for maintenance inspection, overhaul and repairs.

- GE F110-132 (F-16)
- GE CT7-9C3 (CN-235)
- GE T700-701, 701 C-D turbine upgrade (AH-64, UH-60)
- Rolls-Royce Adour 861 and 871 (Hawk)
- SAFRAN M53-P2 (Mirage 2000)
- F-16 Jet Fuel Starter (JFS)
- Mirage 2000 Turbo Starter





#### **COMPONENT SERVICES:**

Our extensive component repair and overhaul capabilities are backed by strategic relationships with major defence manufacturers supporting us with reduced parts lead time and repair turnaround time. In addition to our dedicated BLACK HAWK nose-to-tail components capability, our shops are equipped with universal type test equipment across hydraulics, fuel, electromechanical and pneumatics systems for multiple aircraft types.

#### **MODIFICATIONS & UPGRADES:**

At AMMROC, we undertake major and minor modifications and upgrades for a variety of fixed and rotary-wing aircraft, all tailored to our customers' operational demands, and all to the highest industry standards.

- Avionics modernisation programmes, hardware and software upgrades and installation
- C-130 avionics suite upgrades and glass cockpit installations designed to extend the life of your aircraft; AMMROC is a Lockheed Martin approved C-130 Hercules service centre
- Routine modifications and updates from service bulletins and TCTOs
- Dedicated engineering team developing customer-focused solutions
- Capable of integrating upgrades during Programmed Depot Maintenance (PDM)

## AMMROC

#### SERVICES

#### **ARMING THE BLACK HAWK:**

- GAU-19/B: Lightweight and highly reliable 12.7mm calibre gatling gun capable of 1,300 rounds per minute; highly effective against area suppression and points targets in both air-to-air and air-to-ground missions
- Dillon M134D: Six-barrel rotary 7.62mm calibre machine gun capable of 3,000 rounds per minute
- Hellfire® Missile: Precision-guided weapon providing target flexibility; before and after lock-on capability
- Unguided and laser-guided rockets: Supports 70mm hydra rockets; 7/19 shot pods allow for a maximum carrying capacity of 76 rockets.
- MIL-STD-1760 interface provides flexibility for carrying multiple laser-guided rockets

#### **ENGINEERING SERVICES:**

- Supporting our customers in numerous design aspects from basic tooling design to complex aircraft repairs development, AMMROC Engineering is proficient in methods and special process development, static and dynamic structural analysis, fatigue and stress evaluation, crack growth propagation predictions, assessment of deviations and independent compliance verification. AMMROC Engineering is currently working towards obtaining a Design Organisation Approval (DOA)
- Design team is proficient in CATIA, AutoCAD, ANSYS, NASGRO and UNIGRAPHICS, CREAFORM Scanner and THEODOLITE design tools.

#### **Technical Service Engineering**

- Led by industry SMEs, AMMROC Field Services Support Engineers are capable of answering all aircraft technical queries and are specialised in all major trades, such as Avionics, Power plants, Aircraft systems, Blades, Rotors, Transmissions and Structures
- AMMROC Engineering also has technical support agreements in place with all major OEMs providing us with direct access to the OEMS to provide the best technical support services possible





90 | AMMROC

## AMMROC



#### SERVICES

#### MAINTAINABILITY AND RELIABILITY ENGINEERING:

- AMMROC applies the best practices relevant to maintainability and reliability services with proven policies and processes in alignment with continuing airworthiness management organisation (CAMO) standards and on par with the highest international airworthiness regulations.
- Engineering support services in work scoping, feasibility studies, aircraft acceptance studies, configuration management, preparation of bill of material, customisation of aircraft maintenance programmes and creation of task cards (O, I and D levels) are provided.
- AMMROC ensures the most efficient maintainability of our customer fleets using reliability analysis, root cause analysis (RCA), obsolescence and repetitive failures management (monitoring and resolution), predictive studies and technical records management.

#### **TECHNICAL SUPPORT SERVICES:**

- Comprehensive Support Services round the clock
- Field Services
- Supply Chain Management Solutions
- Technical Training Services
- Information Technology Services
- Program Management Services



#### **INTEGRATED LOGISTICS SUPPORT (ILS) SOLUTIONS**

## GAL

## AIRCRAFT SUSTAINMENT SOLUTIONS

#### **CORE BUSINESS**

GAL helps customers achieve exceptional fleet readiness for rotary and fixed-wing platforms through Maintenance services, Supply chain services, Engineering & upgrades, Air defence services and Manpower augmentation.

#### **DIFFERENTIATORS**

- More than a decade of experience
- Wide scope of platform expertise
- Extensive OEM relationships
- Certified compliant with stringent export-control rules

### **GAL** SERVICES

#### **AVIATION MAINTENANCE**

GAL provides a wide range of aviation maintenance services, from routine inspections, to customised repair and overhaul of aircraft systems, and integrated sustainment solutions delivering guaranteed aircraft availability. GAL also provides capability and facility enhancements, including intermediate maintenance shop design and implementation as well as ERP integration.

#### LOGISTICS & SUPPLY CHAIN

We provide logistics and supply chain services as a value-added stand-alone offering or as part of an integrated life-cycle solution. Our strong relationships with international OEMs, MRO service providers and regional suppliers across more than a dozen rotary and fixedwing platforms gives us access to extensive engineering data, tooling and expertise. As a result, we are uniquely equipped to provide exceptional service and technical support to aircraft owners and operators.

#### **ENGINEERING & UPGRADES**

GAL engineers and technicians are trained and certified to perform a range of aircraft modification and upgrade services. Whether aircraft face obsolescence, or require upgrades to meet mission enhancements or new regulatory requirements, our teams work with customers, OEMs, systems providers and solution partners to engineer, implement, integrate and certify modified aircraft that deliver the highest performance.

#### MANPOWER AUGMENTATION

We augment our customers with the technical experts required to help them implement aviation fleet and related asset management services in the most effective manner possible. Our solutions support advanced technical support, command advisory and specialised training, including depot maintenance, maintenance consultancy, and flight management system program consulting, and technical assistance.





BROCHUF



CLICK TO VIEW

### **GAL** SERVICES



#### AIR DEFENCE SERVICES

GAL provides comprehensive maintenance and supply chain support for air defence equipment, quality and production control services, logistics planning, supply and warehouse support, program acquisition and procurement services, as well as repair and return support.

#### TRAINING AND SIMULATORS

#### Training

- Institutional level
- Technical maintenance training
- Professional leadership development
- Basic and advance flight training
- Unit level training

#### **Simulators**

- Program management & oversight
- Technical support services
- Support individual, crew & collective simulator training





## JAHEZIYA

DEVELOPING SKILLS. ENHANCING RESPONSE.

#### **CORE BUSINESS**

We equip leading military and commercial organisations to respond effectively to crises by providing them with front-line fire and emergency response services, advanced training and industry-standard certification.

#### DIFFERENTIATORS

- Comprehensive front-line fire and emergency response services
- Centre of excellence training facility
- More than 50 specialised training courses

## JAHEZIYA

FIRE & EMERGENCY RESPONSE SERVICES

## STAFFING, MANAGEMENT & OPERATIONS

- Fire station management and operation services
- Management and training of emergency response teams for various sectors
- Manpower augmentation (Fire-fighters, Rescuers, Paramedics)

#### CONSULTANCY

- Strategic Planning
- Fire & Emergency Gap Analysis
- Fire Prevention & Planning
- Evacuation Plans



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## JAHEZIYA

PROFESSIONAL & SPECIALISED TRAININGS

#### **FIRST AID TRAINING**

• Basic and advanced emergency first aid courses for all sectors.

#### **HSE TRAINING**

 The HSE training programmes educate trainees on how to work safely in many environments and industries. (IOSH, NEBOSH, Gas Testing, etc.)

#### **MARITIME TRAINING**

Basic and advanced emergency first aid courses for all sectors.

#### **FIRE FIGHTING TRAINING**

 Basic, advanced, and specialised fire fighting-related courses designed to equip learners with the knowledge and necessary skills to manage and extinguish a fire as per local and international standard such as NFPA and JOIFF.

#### **MILITARY PROGRAMS TRAINING**

 Bespoke courses that meet the requirements of the Armed Forces GHQ.

#### **OFFSHORE TRAINING**

• Offshore training is designed for those working in the offshore oil and gas industry and in accordance with OPITO requirements.



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