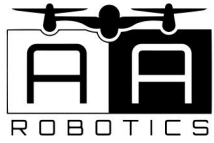
The background of the right side of the page is a red-tinted aerial photograph of a construction site. A large concrete structure is under construction, with several workers visible on the site. The red overlay is semi-transparent, allowing the details of the construction to be seen.

PRODUCT CATALOGUE



CONTENT

SECTION 1:	ABOUT US
SECTION 2:	FIX-WING DRONES
SECTION 3:	HEXACOPTER & QUADCOPTERS
SECTION 4:	VTOL DRONES
SECTION 5:	SWARMING DRONES
SECTION 6:	LAND ROVERS
SECTION 7:	SECURITY ROBOTS
SECTION 8:	UNDERWATER ROBOTS
SECTION 9:	ANTI DRONE SYSTEMS
SECTION 10:	PRODUCT'S SUMMARY
SECTION 11:	CONTACT DETAILS



INDUSTRY BACKGROUND

Our global partnerships bolster our commitment to fostering **innovation and enhancing** the capabilities of our unmanned systems. By aligning with esteemed organizations worldwide, we aspire to set new benchmarks in the **aerospace and defense technology sector**.

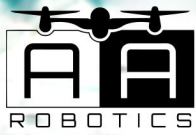
Field: Aerospace and Defense Technology.

Focus: Making Advanced Unmanned Systems.

Recognition: Known for modern drone and robotics solutions in Pakistan.

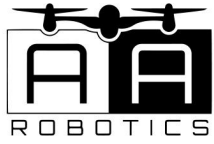
Team-ups: Working together with intelligence groups, research places, and global tech companies to improve our products and work better.





AA ROBOTICS MISSION

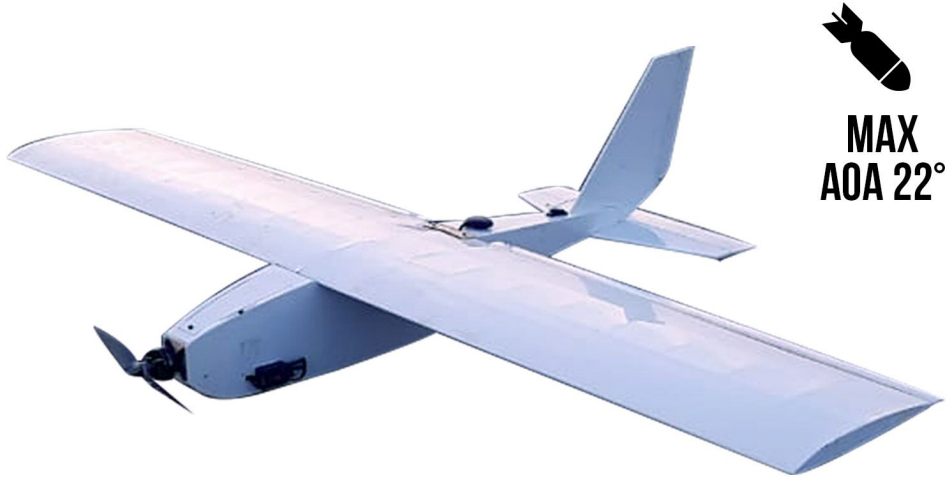
**TO STRENGTHEN THE AIR, LAND AND SEA DEFENSE
WITHOUT RISKING HUMAN LIVES.**



FIXED WING DRONES

(نور الارتفاع)

LIGHT OF ELEVATION



MAX
AOA 22°

KAMIKAZE DRONE



RANGE

30 KM



PAYLOAD

3 KG



SPEED

DASH 30 M/S
CRUISE 16 M/S



FEATURES:

Stealth reconnaissance and tactical offensive missions in hostile or border areas.

Recovery and reuse potential is undamaged, ensuring cost-efficacy.

Ideal for fast deployment in high-threat zones, augmenting the security apparatus against external aggressions.

MAIN SPECIFICATIONS:

Obstacle Detection: Suitable for detecting obstacles or threats in the vicinity of military operations to enhance situational awareness.

Close Aerial Observation: Primarily used for close-range military aerial observation and mapping in restricted military environments.

Route Reconnaissance: Surveys potential military routes for ground forces, improving mission planning.

Crisis Mapping: Rapidly assesses disaster-stricken areas for military disaster response coordination.

OTHER SPECIFICATIONS:

Altitude Limits: ASL (Above Sea Level) - 15,000 feet; AGL (Above Ground Level)-2,000 meters.

Autonomous Capabilities: Advanced autonomous flight modes, path planning, and mission execution, empowered by ArduPilot.

Mission Planning: Simple point-and-click mission planning interface for easy deployment and real-time mission adjustments.

Encryption: 256-bit AES hardware encryption ensures the highest level of data security during mission operations.

Communication: RFD encrypted communication system ensuring secure data transmission and resilient command & control link.

(رحلة العلو)

JOURNEY TO HEIGHTS



FEATURES:

Extended reconnaissance, border security, and counter-terrorism operational support.

Versatile payload options for real-time high-resolution imaging, signal interception, and electronic warfare capabilities.

Enhanced operational readiness and **rapid response** capabilities.

MAIN SPECIFICATIONS:

Tactical Surveillance: Suitable for detecting obstacles or threats in the vicinity of military operations to enhance situational awareness.

Short-Range Reconnaissance: Designed for short-range reconnaissance missions, gathering real-time information in proximity to military operations.

Minefield Detection: Used for identifying and mapping minefields, aiding in safe troop movement.

Battlefield Communication Relay: Acts as a communication node for military units in the field, extending their operational range.

OTHER SPECIFICATIONS:

Altitude Limits: ASL (Above Sea Level) - 15,000 feet; AGL (Above Ground Level)-2,000 meters.

Autonomous Capabilities: Advanced autonomous flight modes, path planning, and mission execution, empowered by ArduPilot.

Mission Planning: Simple point-and-click mission planning interface for easy deployment and real-time mission adjustments.

Encryption: 256-bit AES hardware encryption ensures the highest level of data security during mission operations.

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MINEFIELD DETECTOR



RANGE

40 KM



PAYLOAD

4 KG



SPEED

DASH 30 M/S
CRUISE 16 M/S



(رياح العلو)

WINDS OF ALTITUDE



FEATURES:

Long-haul reconnaissance, cargo delivery, or humanitarian aid in remote or conflict-affected areas. Supports delivers payload compatibility for **ISR operations**, supply delivery, or medical evacuations. Contributes to strategic mobility and **logistical support**.

MAIN SPECIFICATIONS:

Border Surveillance: Used for monitoring military border areas and enhancing national security.
Medium-Range Reconnaissance: Ideal for covering medium-range military reconnaissance missions and collecting data for military intelligence.
Environment Monitoring: Can assess environmental conditions in military training areas, offering insights for military training area management.
Route Re-Disaster Recovery Operations: Supports military disaster recovery efforts by assessing disaster-affected military areas and providing situational awareness.

OTHER SPECIFICATIONS:

Altitude Limits: ASL (Above Sea Level) - 15,000 feet; AGL (Above Ground Level)-2,000 meters.
Autonomous Capabilities: Advanced autonomous flight modes, path planning, and mission execution, empowered by ArduPilot.
Mission Planning: Simple point-and-click mission planning interface for easy deployment and real-time mission adjustments.
Encryption: 256-bit AES hardware encryption ensures the highest level of data security during mission operations.
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CARGO DELIVERIES



RANGE

100 KM



PAYLOAD

20 KG



SPEED

DASH 40 M/S
CRUISE 28 M/S



(نور الارتفاع)

LIGHT OF ELEVATION



KAMIKAZE DRONE

ATTACKING MILITARY TARGETS



RANGE

30 KM



PAYLOAD

3 KG



SPEED

DASH 30 M/S
CRUISE 16 M/S

FEATURES

- OBSTACLE DETECTION
- CLOSE AERIAL OBSERVATION
- ROUTE RECONNAISSANCE
- CRISIS MAPPING

(رحلة العلو)

JOURNEY TO HEIGHTS



MINEFIELD DETECTOR

BORDER SECURITY



RANGE

40 KM



PAYLOAD

4 KG



SPEED

DASH 30 M/S
CRUISE 16 M/S

FEATURES

- TACTICAL SURVEILLANCE
- SHORT-RANGE RECONNAISSANCE
- MINEFIELD DETECTION
- BATTLEFIELD COMMUNICATION RELAY

(رياح العلو)

WINDS OF ALTITUDE



CARGO DELIVERIES

HUMANITARIAN AID



RANGE

100 KM



PAYLOAD

20 KG

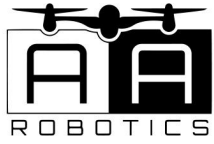


SPEED

DASH 40 M/S
CRUISE 28 M/S

FEATURES

- BORDER SURVEILLANCE
- MEDIUM-RANGE RECONNAISSANCE
- ENVIRONMENTAL MONITORING
- ROUTE REDISASTER RECOVERY OPERATIONS



HEXACOPTER AND QUADCOPTERS

(سماء الحرية)

SKY OF FREEDOM



ROUTE RECONNAISSANCE



RANGE

60 KM



PAYLOAD

10 KG



SPEED

DASH 24 M/S
CRUISE 16 M/S



FEATURES:

Stealth reconnaissance and **tactical offensive missions** in hostile or border areas.

Recovery and reuse potential is undamaged, ensuring cost-efficacy.

Ideal for **fast deployment in high-threat zones**, augmenting the security apparatus against external aggressions.

MAIN SPECIFICATIONS:

Obstacle Detection: Suitable for detecting obstacles or threats in the vicinity of military operations to enhance situational awareness.

Close Aerial Observation: Primarily used for close-range military aerial observation and mapping in restricted military environments.

Route Reconnaissance: Surveys potential military routes for ground forces, improving mission planning.

Crisis Mapping: Rapidly assesses disaster-stricken areas for military disaster response coordination.

(مهمة السماء)

SKY MISSION (HEXACOPTER)



SILENT ATTACK



RANGE

40 KM



PAYLOAD

5 KG



SPEED

30 M/S



FEATURES:

It excels in extended **military surveillance**, disaster response assessments, swift deployment during crises, **secret or discreet military observation missions** without generating significant sound or disruption and enhanced safety through **CBRN** (Chemical, Biological, Radiological, and Nuclear) detection.

MAIN SPECIFICATIONS:

Stability at Any Altitude: Ensures stability in flight, providing consistent and reliable surveillance even at varying altitudes. With an altitude limit of 15,000 feet Above Sea Level (ASL).

High-Altitude Performance: Excels in high-altitude operations, offering superior performance and endurance up to 2,000 meters Above Ground Level (AGL) in challenging environments.

Extended Surveillance: Suitable for extended military surveillance missions with a moderate range, including monitoring urban areas or natural reserves.

Disaster Response and Assessment: Supports military disaster response efforts by assessing affected military areas and providing situational awareness.

Rapid Deployment: Quick deployment of surveillance capabilities in military crisis situations, improving responsiveness.

Covert Reconnaissance: Supports covert military reconnaissance missions with minimal noise and disruption.

CBRN (Chemical, Biological, Radiological, Nuclear): Detection Carries CBRN sensors for identifying and monitoring hazardous substances or conditions.

(نسيم السماء)

BREEZE OF THE SKY (QUADCOPTER)



COUNTER-IED OPERATIONS



RANGE

20 KM



PAYLOAD

5 KG



SPEED

30 M/S



FEATURES:

This versatile drone excels in **short-range military surveillance** valuable for precise aerial inspections, specialized in identifying and neutralizing **Improvised Explosive Devices (IEDs)** for enhanced safety, provides crucial situational awareness in urban warfare, and dedicates support to **convoy protection, bolstering security measures.**

MAIN SPECIFICATIONS:

Short-Range Surveillance: Suited for short-range military surveillance tasks, including perimeter monitoring and immediate area assessments.

Local Aerial Inspections: Useful for localized military aerial inspections and monitoring of military facilities and infrastructure within a limited range.

Counter-IED Operations: Used for identifying and neutralizing improvised explosive devices (IEDs) in hazardous environments.

Urban Warfare Support: Provides aerial situational awareness in urban warfare environments, minimizing risks to military personnel.

Convoy Protection: Escorts military convoys, enhancing their security and alertness to potential threats.

(تحدى الأفق)

CHANGE THE HORIZON



HEAVY LIFT HEXACOPTER



RANGE

45 KM



PAYLOAD

200 KG



SPEED

24 M/S



FEATURES:

This versatile Manned copter excels in **heavy payload transport** and **large-scale military surveillance**. It enhances border security through effective patrol operations, aids in search and rescue missions, and supports **anti-smuggling efforts** in border regions.

MAIN SPECIFICATIONS:

Heavy Payload Transport: Designed for transporting heavy military payloads, making it suitable for logistical operations in remote or challenging terrain.

Large-Scale Surveillance: Used for extensive, long-endurance military surveillance missions, including monitoring coastlines, borders, and large training ranges.

Border Security and Patrol: Aids in patrolling and securing military border areas, enhancing national security.

Search and Rescue Operations: Used for locating and rescuing military personnel in challenging and remote locations.

Anti-Smuggling Operations: Supports efforts to battle illegal smuggling activities in border regions, stop illegal goods.

(المدمرة الهجومية)

MILITARY DRONE ARMED WITH GUNS



ASSAULT DESTROYER



RANGE

10 KM



PAYLOAD

8 KG



SPEED

20 M/S



FEATURES:

This Drone is equipped with a machine gun which is capable of accurately aiming and hitting specific targets with firing of consecutive bullets. This drone has the ability to accurately hit a small area on the target from a distance of 400 meters.

MAIN SPECIFICATIONS:

Gun Variations:

The drone supports various military gun options, provide flexibility in weapon based on mission requirements.

This Drone has two main systems:

1. Sensor Systems: These include cameras and a laser rangefinder who measure the distance , angle, environmental conditions from the gun to a target.

2. Robot Arms: These arms adjust the military gun to compensate for any movement when firing. It helps maintain accuracy by correcting the aim after each shot.

OTHER SPECIFICATIONS:

Night Operations: Fitted with night sensors, the drone excels in darkness, enhancing its operational capabilities.

Extended Range: Covering distances up to 10 kilometers, it proves efficient for vast operational areas.

Swarm Capability: Operating in groups, a swarm of drones can be controlled using a single remote, firing simultaneously.

HEXACOPTER

JABAL 400



HEAVY LIFT COPTER

 RANGE	~35 KM	 ENDURANCE	30-40 MIN
 PAYLOAD	50 KG-70 KG	 SPEED	CRUISE 24 M/S (MAX)
 ALTITUDE	3000 M	 MTOW	180 KG

APPLICATIONS:

High Payload Capacity: Carries heavy equipment like professional cameras, medical supplies, military stores, or sensors for aerial delivery.

Stability and Redundancy: Maintains flight even with motor failure, ensuring reliability in inspections of powerlines or wind turbines.

Versatile Payloads: Modular design supports tasks like spraying fertilizers in agriculture or carrying thermal cameras for search and rescue.

Advanced Autonomy: GPS and obstacle avoidance enable precise, automated missions for logistics and disaster relief.
Extended Flight Time: Long-lasting batteries support prolonged operations, from crop monitoring to live event coverage.

KEY FEATURES:

Transportation of payload/stores.

Emergency **Evacuation** of casualties.

Day and Night **operation** capability.

Indigenously Developed **Software**.

Indigenously Developed **Airframe**.

Cost Effective vis a vis Contemporary Models.

(سماء الحرية)

SKY OF FREEDOM

ROUTE RECONNAISSANCE

Surveying potential military routes for ground forces to enhance mission planning and situational awareness



RANGE

60 KM



PAYLOAD

10 KG



SPEED

DASH 24 M/S
CRUISE 16 M/S

FEATURES

- OBSTACLE DETECTION
- CLOSE AERIAL OBSERVATION
- ROUTE RECONNAISSANCE
- CRISIS MAPPING



(مهمة السماء)

SKY MISSION

SILENT ATTACK

Operates quietly and stays unnoticed during surveillance missions



RANGE

40 KM



PAYLOAD

5 KG



SPEED

30 M/S

FEATURES

- STABILITY AT ANY ALTITUDE
- HIGH-ALTITUDE PERFORMANCE
- EXTENDED SURVEILLANCE
- DISASTER RESPONSE AND ASSESSMENT
- RAPID DEPLOYMENT
- COVERT RECONNAISSANCE



(نسيم السماء)

BREEZE OF THE SKY

COUNTER-IED OPERATIONS

Drone's capability to identify and neutralize Improvised Explosive Devices (IEDs) in hazardous environments for enhanced safety



RANGE

20 KM



PAYLOAD

5 KG



SPEED

30 M/S

FEATURES

- SHORT-RANGE SURVEILLANCE
- LOCAL AERIAL INSPECTIONS
- COUNTER-IED OPERATIONS
- URBAN WARFARE SUPPORT
- CONVOY PROTECTION



(تحدي الأفق)

MANNED COPTER

HEAVY LIFT

HEXACOPTER



RANGE

45 KM



PAYLOAD

200 KG



SPEED

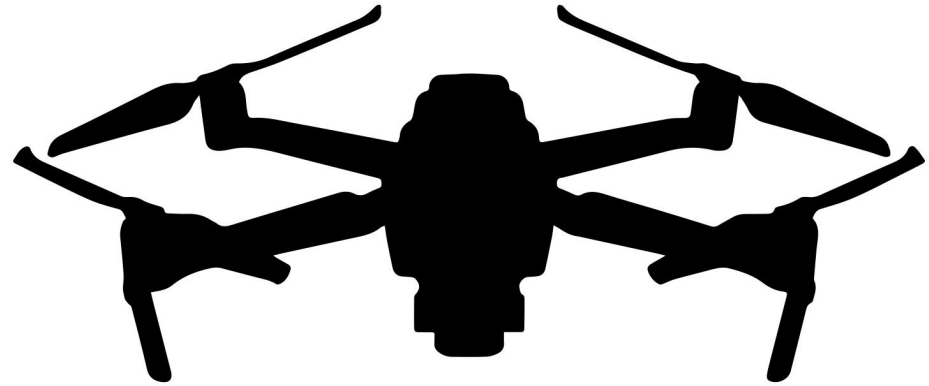
24 M/S

FEATURES

- HEAVY PAYLOAD TRANSPORT
- LARGE-SCALE SURVEILLANCE
- BORDER SECURITY AND PATROL
- SEARCH AND RESCUE OPERATIONS
- ANTI-SMUGGLING OPERATIONS



CUSTOMIZE YOUR DRONE



**CUSTOM
RANGE**



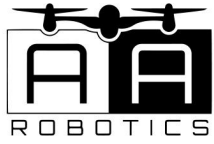
**CUSTOM
PAYLOAD**



**CUSTOM
SPEED**



**CUSTOM
AOA**



SWARMING DRONES



APPLICATIONS:

Search and Rescue Operations: In disaster-stricken, swarming drones can search for survivors, identify hazards, and create real-time maps.

Their synchronized efforts enable quick and effective response. Potentially saving lives.

Serveillance and Reconnaissance: Swarming drones equipped with high-resolution cameras and advanced sensors are invaluable for surveillance missions.

They can monitor large areas, analyze patterns, and capture critical data.

Aiding security and intelligence operation.

Delivery and Logistics: With swarming drones, the delivery of goods can be expedited and optimized.

They can collaborate to carry heavier payloads and navigate complex urban environments.

Revolutionizing the logistics industry.

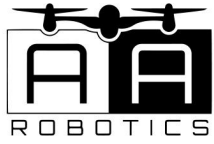
CHALLENGES & CONSIDERATIONS:

Communication and Coordination: Establishing seamless communication and coordination among swarming drones is essential. Advanced algorithms and robust communication systems are required to maintain synchronization and prevent collision risks.

Autonomy and Decision-Making: Developing intelligent decision-making capabilities for swarming drones poses a significant challenge. They must have the ability to make autonomous decisions while adhering to mission objectives and regulations.

Legal and Regulatory Compliance: As swarming drone technology evolves, there is a need for comprehensive regulations to address safety, privacy, and airspace management concerns. Striking a balance between innovation and compliance is crucial.





VTOL DRONES

(النسر الطائر)

THE SOARING EAGLE



DEFENSE INNOVATION



RANGE

100 KM



PAYLOAD

5 KG



SPEED

DASH 55 M/S
CRUISE 30 M/S



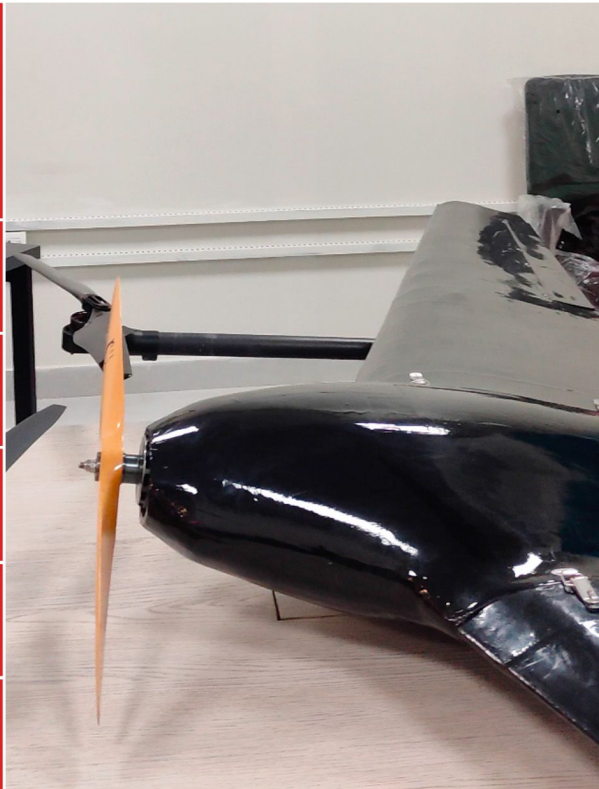
HEIGHT

3000 M



TAKE-OFF

VERTICAL



FEATURES:

Vertical Takeoff and Landing (VTOL) Capability: Versatile deployment in various terrains and environments. Quick mission launches without the need for a runway.

Autonomous Navigation System: Utilizes cutting-edge AI technology for autonomous flight. Precise execution of missions with minimal human intervention.

Stealth Mode Capability: Operates silently to evade enemy radar detection. Enhances covert surveillance and reconnaissance capabilities.

Extended Range and Endurance: Offers a range of 100km for extended operational reach. Long endurance for sustained surveillance missions.

High Payload Capacity: Capable of carrying payloads up to 5kg. Integration of advanced sensors and communication equipment.

High-Speed Performance: Cruise speed of 120km/h and dash speed of 200km/h. Swift maneuverability and rapid response capabilities.

Robust Construction and Durability: Built with high-strength materials for resilience. Withstands harsh environmental conditions.

Advanced Data Transmission and Encryption: Secure communication protocols for mission-critical data. Ensures confidentiality in sensitive military operations.

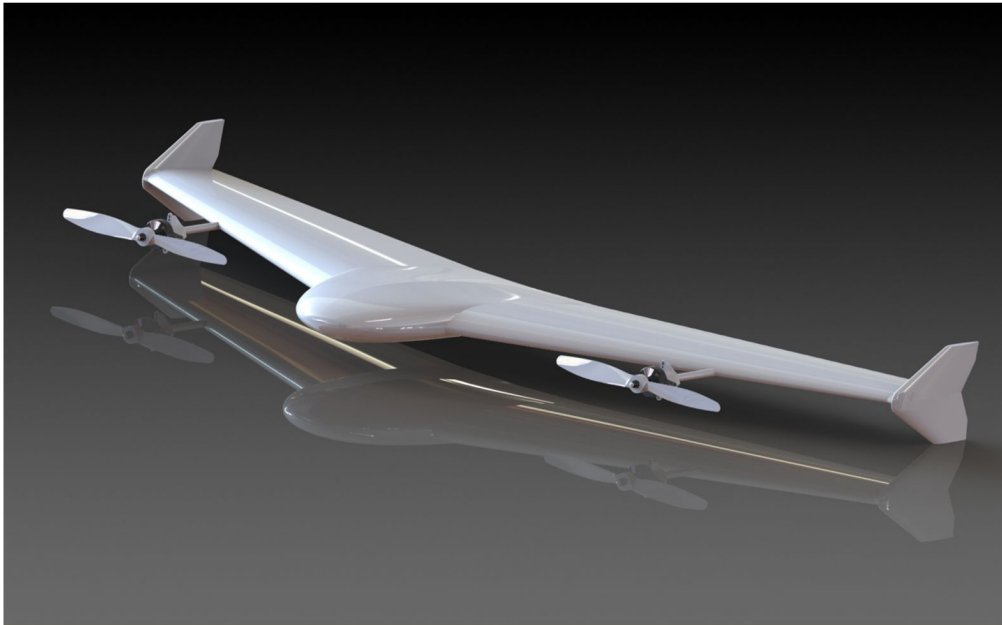
Modular Design for Adaptability: Easy integration of additional equipment and sensors. Facilitates maintenance and upgrades.

User-Friendly Interface and Mission Planning: Intuitive control interface for military personnel. Supports mission planning software for optimization.

Enhanced Situational Awareness: Equipped with advanced sensors for real-time intelligence gathering. Provides comprehensive situational awareness for decision-making.

VTOL TAILSITTER

IKARI 300



LOITERING MUNITION

 RANGE	10 KM	 ENDURANCE	20 MIN
 PAYLOAD	1.3 KG- 1.5 KG	 SPEED	STALL 10M/S CRUISE 20M/S DASH 35 M/S
 ALTITUDE	3000 M		

APPLICATIONS:

Targeted Strikes: Effective for precision attacks, particularly against high-value or mobile targets, given its ability to hover and loiter over a specific area before engaging.

Surveillance and Reconnaissance: Ideal for gathering intelligence, especially in rough or urban terrain, where it can quietly observe from different positions.

Border and Perimeter Security: Useful in monitoring sensitive areas, like border zones, where it can rapidly respond to potential threats.

Anti-Drone Defense: Its agility and hovering capabilities make it suitable for intercepting and neutralizing other unmanned aerial threats.

KEY FEATURES:

Vertical Takeoff and Landing: The tailsitter design allows the munition to launch and recover vertically, using minimal space.

Fixed-Wing Efficiency: In forward flight, it transitions to a fixed-wing mode, providing longer range and endurance compared to conventional drones.

Autonomous Operation: Often equipped with autonomous navigation and targeting systems, enabling precise mission control.

High Maneuverability: Capable of hovering and adjusting altitude and position, useful in complex environments.

Low Radar Profile: Tailsitter designs are often compact, making them harder to detect and track, an advantage for covert operations

AERO COMMANDER



AIR MOTHER DRONE CENTRAL COMMAND AND COORDINATION HUB:

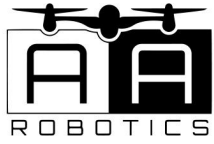
Without Any Controller: The air mother drone operates independently in the sky, making decisions without external controllers.

Without Using Any Software: Operating without complex software, the air mother drone ensures simplicity and reliability in its airborne operations.

Without Any Mission Planner: The air mother drone its own missions, adapting dynamically to the aerial environment without the need for additional mission planners.

AIR DAUGHTER DRONES COORDINATED AERIAL FLEET:

Air daughter drones **respond to the mother drone's** commands, forming a coordinated aerial fleet. They work together seamlessly, receiving precise instructions from the mother hub to execute strategic actions in the air.

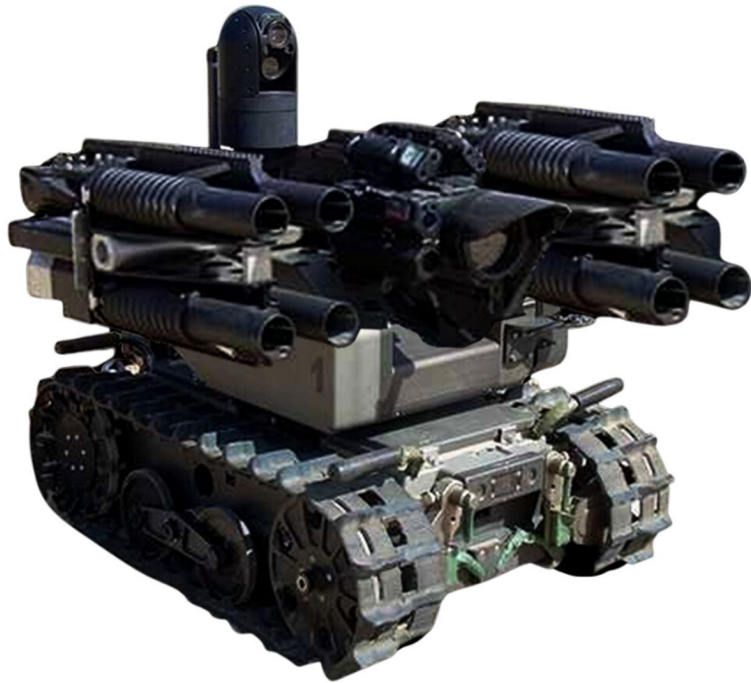


LAND ROVERS



المنتصر

THE VICTOR



MILITARY
SCOUTING

((()))
RANGE

30KM
(ABOUT 18.64 MI)

🛒
PAYLOAD

5KG
(ON REQUIREMENT)

APPLICATION:

Military Reconnaissance Swift surveillance in challenging terrains. Enhanced situational awareness with synchronized swarming.

FEATURES:

Swarming intelligence for seamless coverage. Land Rover's off-road prowess for versatile deployment.
Real-time monitoring and instant response capabilities.

SPECIFICATIONS:

Autonomous Capabilities: Advanced autonomous modes, path planning, and mission execution, empowered by ArduPilot.

Mission Planning: Simple point-and-click mission planning interface for easy deployment and real-time mission adjustments.

Encryption: 256-bit AES hardware encryption ensures the highest level of data security during mission operations.

Communication: RFD900x encrypted communication system ensuring secure data transmission and resilient command & control link.

الحماية

THE GUARDIAN



BORDER GUARDIAN



RANGE

30KM
(ABOUT 18.64 MI)



PAYLOAD

5KG
(ON REQUIREMENT)

APPLICATION:

Border Patrol Robust coverage of extensive border areas.
Real-time monitoring and rapid response to potential threats.

FEATURES:

Intelligent coordination for optimized surveillance.
Rugged Land Rover capabilities for diverse terrains.
Versatile deployment in various border scenarios.

SPECIFICATIONS:

Autonomous Capabilities: Advanced autonomous modes, path planning, and mission execution, empowered by ArduPilot.
Mission Planning: Simple point-and-click mission planning interface for easy deployment and real-time mission adjustments.
Encryption: 256-bit AES hardware encryption ensures the highest level of data security during mission operations.
Communication: RFD900x encrypted communication system ensuring secure data transmission and resilient command & control link.

الكاشف عن الغام

MINE DETECTING



MINE DETECTING

((()))
RANGE

30KM
(ABOUT 18.64 MI)

📦
PAYLOAD

5KG
(ON REQUIREMENT)

APPLICATION:

Equipped with advanced sensors & AI algorithms can autonomously identify and marked potential landmines. Assist in safe deming operations, reducing the risk to human lives.

FEATURES:

Robust terrain navigation, real-time mine detection & classification, remote operation capabilities, obstacle avoidance, & GPS mapping to facilitate efficient & safe deming.

SPECIFICATIONS:

Autonomous Capabilities: Advanced autonomous modes, path planning, and mission execution, empowered by ArduPilot.

Mission Planning: Simple point-and-click mission planning interface for easy deployment and real-time mission adjustments.

Encryption: 256-bit AES hardware encryption ensures the highest level of data security during mission operations.

Communication: RFD900x encrypted communication system ensuring secure data transmission and resilient command & control link.

علاء الحرب

WAR MACHINE

APPLICATION:

360 auto machine gun and AI-based threat detection can be deployed in sensitive areas for proactive defense, autonomously identifying and neutralizing hostile threats during wartime, enhancing security.

FEATURES:

AI-driven thread recognition and response, remote operation, integrated sensors for situational awareness, and capability. Autonomous defense in high-risk areas.

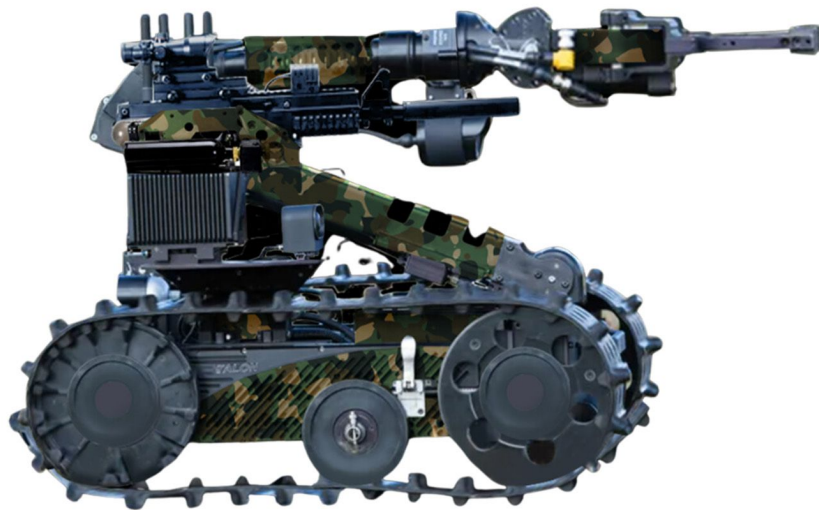
SPECIFICATIONS:

Autonomous Capabilities: Advanced autonomous modes, path planning, and mission execution, empowered by ArduPilot.

Mission Planning: Simple point-and-click mission planning interface for easy deployment and real-time mission adjustments.

Encryption: 256-bit AES hardware encryption ensures the highest level of data security during mission operations.

Communication: RFD900x encrypted communication system ensuring secure data transmission and resilient command & control link.



MILITARY
SCOUTING



30KM
(ABOUT 18.64 MI)



5KG
(ON REQUIREMENT)

AL-MUNTASIR (THE VICTOR)

MILITARY SCOUTING
FAST OBSERVATION IN TOUGH AREAS

RANGE 30KM (ABOUT 18.64 MI)

PAYLOAD 5KG (ON REQUIREMENT)



AL-HIMAAYA (THE GUARDIAN)

BORDER GUARDIAN
SURVEILLANCE AND RAPID RESPONSE

RANGE 30KM (ABOUT 18.64 MI)

PAYLOAD 5KG (ON REQUIREMENT)

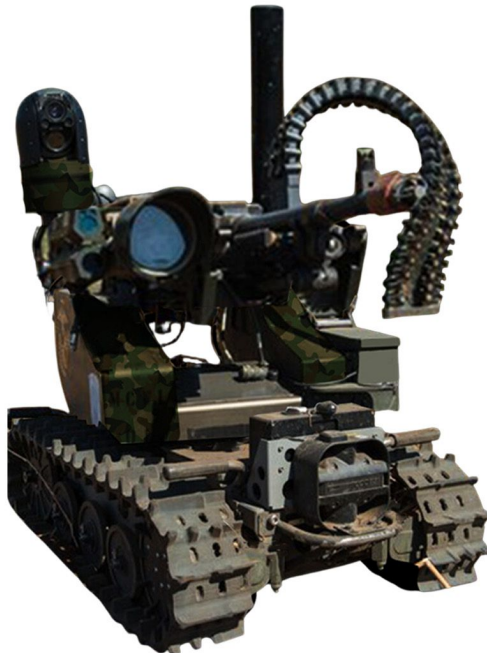


ALEKSHEF AN AL-ALGHAM

MINE DETECTING
DETECTING HIDDEN EXPLOSIVE DEVICES
PLACED ON OR UNDER THE GROUND

RANGE 30KM (ABOUT 18.64 MI)

PAYLOAD 5KG (ON REQUIREMENT)



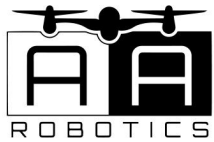
ALA AL-HARAB (WAR MACHINE)

MILITARY SCOUTING
FAST OBSERVATION IN TOUGH AREAS

RANGE 30KM (ABOUT 18.64 MI)

PAYLOAD 5KG (ON REQUIREMENT)





SECURITY ROBOTS





WHY? AA ROBOTICS SECURITY ROBOTS

The security robot by AA ROBOTICS:

Maximize security with our advanced robots, designed for 24/7 patrolling and intrusion prevention. AA-Robotics security robots offer cutting-edge features, including autonomous movement control, intelligent video surveillance, voice notification, and remote monitoring. Deploy these robots for unparalleled security in private areas, smart houses, and various applications.

Three main reasons to use AA ROBOTICS security robots:

The highest level of security through the use of robots for 24/7 patrolling and security guards to counter intrusion. Advanced technologies of security robots open up access to the best consumers of security services. Fast return on investment when using robots in developed countries.

**MODERN SECURITY ROBOT
MAXIMUM AUTONOMY
MINIMUM HUMAN PARTICIPATION**



(تَحْفِيز)

PROTECTION

APPLICATION:

Patrolling private areas, smart houses, restricted areas, electrical substations, oil fields, solar farms, etc.

FEATURES:

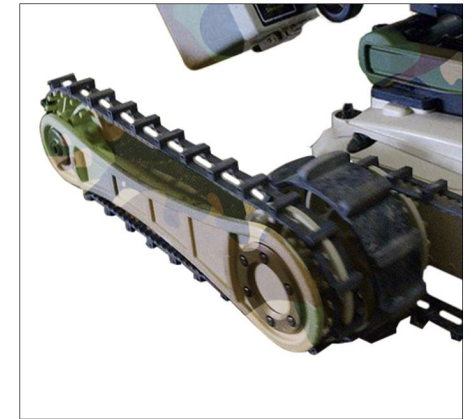
Detecting and tracking people within a 100m radius, face recognition for personnel identification, online monitoring via the Internet, remotely controlled LRAD, mobile video surveillance, PTZ camera with 28x optical zoom.

SPECIFICATIONS:

Advanced sensors and LRAD for security applications.



SECURITY GUARD ROBOT



(رَقِيب)

OBSERVER

APPLICATION:

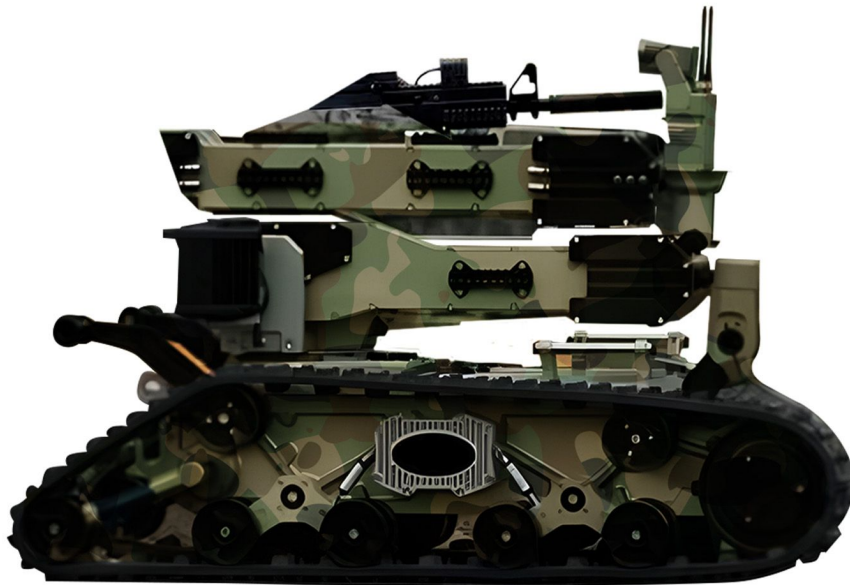
Professional security for industrial, commercial, utility companies, perimeters, industrial facilities, parking lots, etc.

FEATURES:

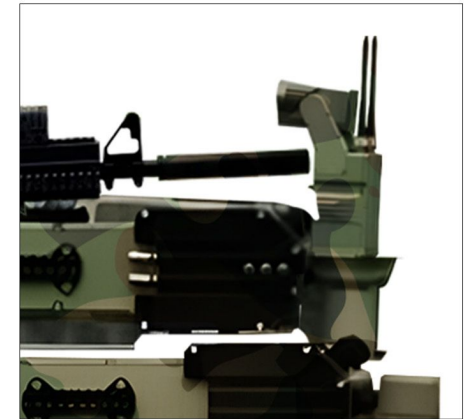
Detecting people within a 200m radius, robotic patrol in total darkness, fully autonomous patrolling, obstacle avoidance, panoramic video surveillance, automated tracking PTZ camera.

SPECIFICATIONS:

Thermal imaging technology for surveillance.



THERMAL SURVEILLANCE ROBOT



(شَحَا فِظ)

GUARDIAN

APPLICATION:

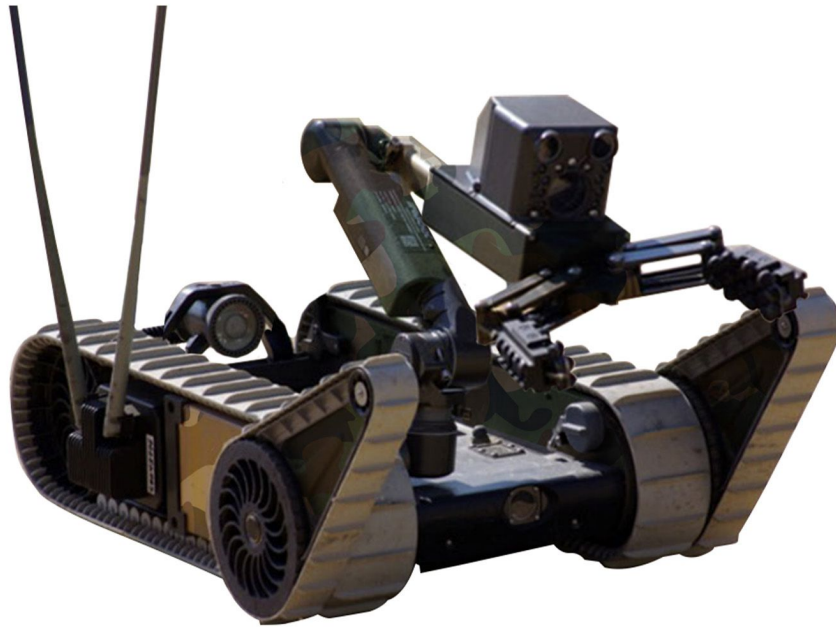
Ideal for recurring deliveries with face identification, security in military reconnaissance, agriculture, ranches, coastal areas, public water reservoirs, solar farms, etc

FEATURES:

Equipped with a 360-degree security camera system, fully autonomous mobile video surveillance, solar tracking system, panoramic motion-detection video cameras, auto-tracking PTZ camera with 28x optical zoom lens.

SPECIFICATIONS:

High Payload capacity for delivery compartment
Delivery – Emphasizing autonomous delivery capabilities.



AUTONOMOUS DELIVERY ROBOT



LAND COMMANDER



LAND MOTHER ROBOT CENTRAL COMMAND AND COORDINATION HUB:

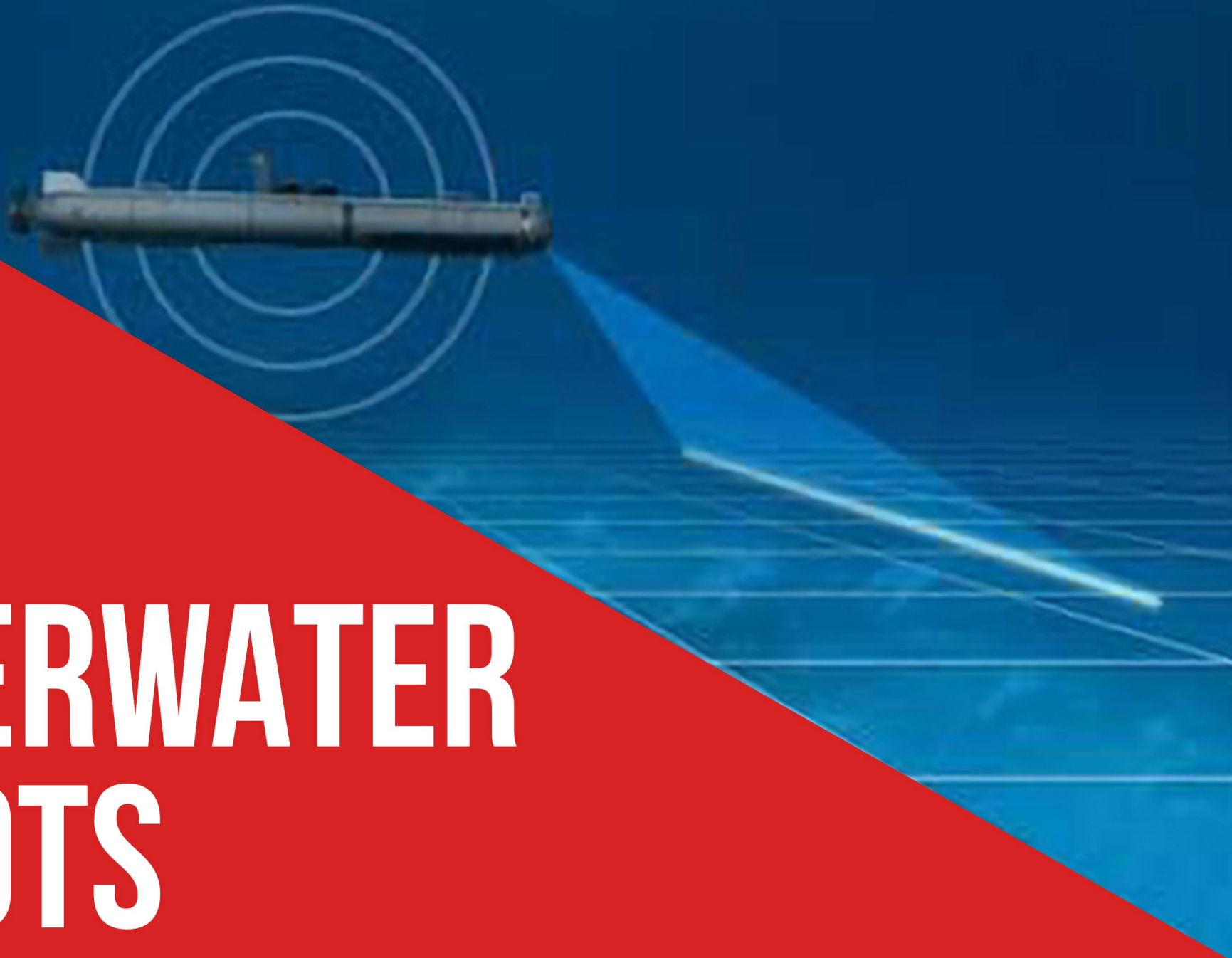
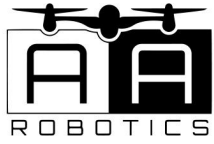
Without Any Controller: The land mother robot takes charge independently, making decisions without relying on external controllers.

Without Using Any Software: No need for complicated software. The land mother robot operates without fancy computer programs, ensuring simplicity and reliability.

Without Any Mission Planner: The land mother robot plans its own missions, adapting to the situation without the need for extra planners.

LAND DAUGHTER ROBOTS COORDINATED TACTICAL FLEET:

Land daughter robots heed the orders of the mother base, forming a coordinated tactical fleet. They **work seamlessly together**, receiving precise commands from the mother base to execute military actions on the ground.



UNDERWATER ROBOTS

(الطائرة البحرية)

THE MARINE AIRCRAFT



AQUATIC FLYING DRONE

SPECIFICATION:

It is an amphibious drone that can both swim underwater and shoot into the sky and act as a quadcopter.

- 5 kg Payload
- 10 minutes hovering time
- 8 feet per second underwater swimming speed runs without
- human intervention on artificial intelligence only

APPLICATION:

Marine Surveillance: Conducts underwater reconnaissance with swimming capabilities.

Monitors aquatic environments for research and security.

Aerial Reconnaissance: Transforms into a quadcopter for aerial surveillance.

Provides versatile aerial views for various applications.

Search and Rescue: Swiftly covers both underwater and aerial terrains during rescue missions.

Enhances efficiency in locating and assisting individuals.

FEATURES:

Amphibious Design: Seamlessly transitions between underwater and aerial modes.

Offers adaptability for diverse mission requirements.

Autonomous Operation: Runs on artificial intelligence without the need for human intervention.

Executes tasks efficiently based on programmed algorithms.

Compact and Lightweight: Weighs only 3.6 pounds, ensuring portability and ease of deployment.

Facilitates rapid response in dynamic situations.

Hovering Capability: Achieves stable hovering during aerial operations for detailed observation.

Provides a valuable vantage point for surveillance.

(غیور)

THE PROUD SUBMARINE



APPLICATION:

Strategic Deployment: Ideal for transporting assets and personnel discreetly across vast water expanses.

Offensive Operations: Equipped to deliver a range of weapons, enhancing tactical capabilities in offensive engagements.

FEATURES:

Electronic Stealth: Equipped with advanced electronic stealth technology for swift and effective operations.

Customizable Range: Provides a customizable operational range to suit mission requirements.

Payload Holding: Capable of securely transporting payloads between battles.

Electric Propellers: Utilizes electric propellers for a top speed of around 8 kilometers per hour.

SPECIFICATION:

Propulsion System: Advanced propulsion technology for increased speed and maneuverability.

Payload Capacity: Variable payload capacity based on mission requirements, with secure storage and deployment mechanisms.

Communication Systems: Advanced communication arrays for seamless coordination and real-time data exchange.

(أمر الغواصة)

THE POWERFUL MOTHERSHIP



FEATURES:

Versatile ROV Design: This Remotely operated vehicle Can perform various military tasks and operate for specialized missions.

User-Friendly Operation: Easy for military people to use, with simple controls for quick action.

Adaptable Mobility: Advanced capabilities to move on to different underwater environments. This could include different ocean depths and underwater conditions.

SPECIFICATION:

Mother Ship Centralized Command and Coordination Hub:

Without Any Controller: The main mother ship works on its own without needing someone else to control it.

Without Using Any Software: Works without reliance on software, making performance streamlined and efficient.

Without Any Mission Planner: Plans its own missions, no need for a special mission planner.

Daughter Ships Precision Coordinated Tactical Fleet: Mothership give command to the daughter ships, and work as the leader who controls and leads other ships efficiently, and making the whole group more powerful in any missions.

APPLICATION:

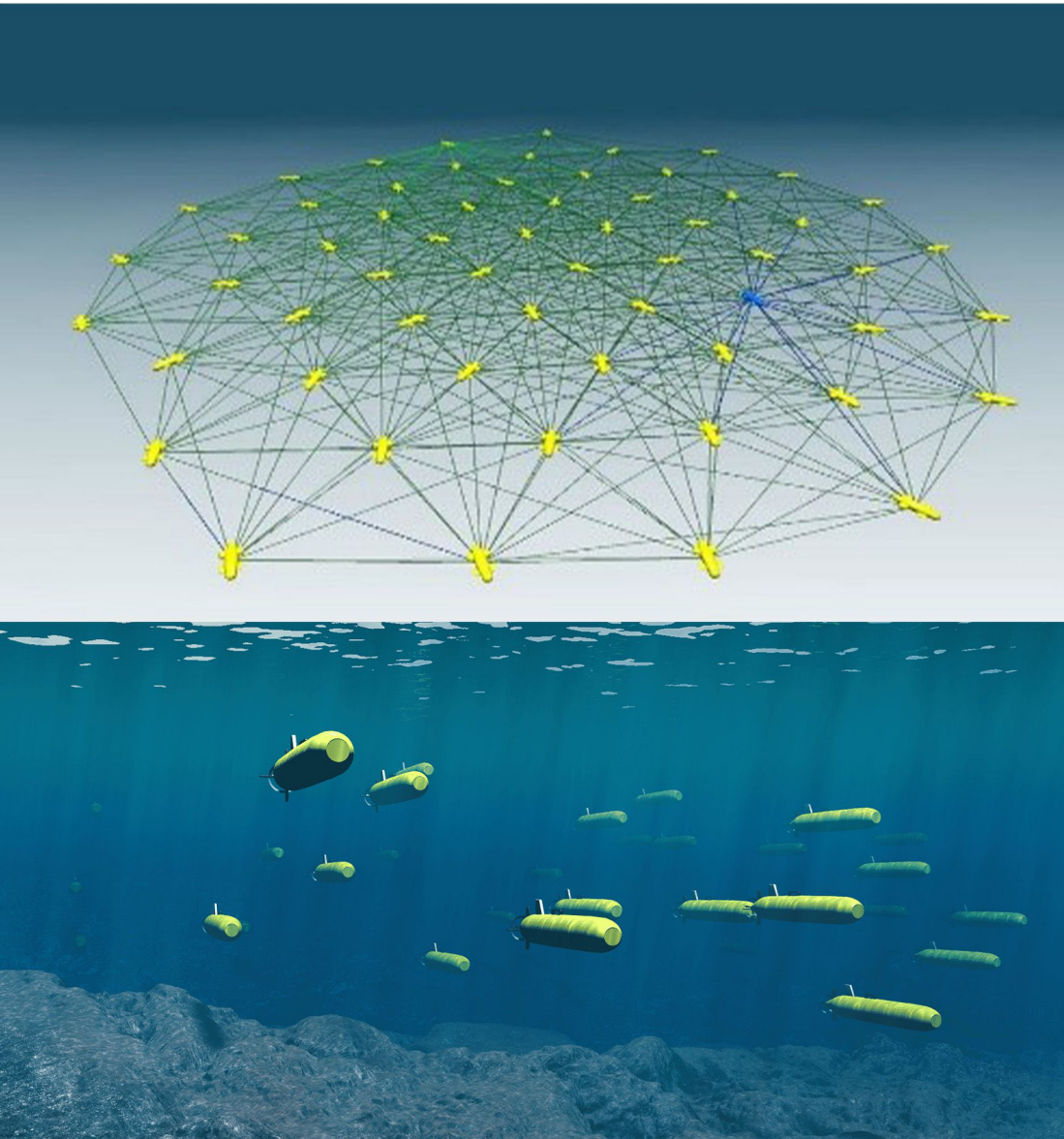
Deep Sea Exploration: The ability to go to the deep sea where humans can't go, specifically used for military purposes.

Ship Inspection and Damage Assessment: Check the underwater parts of Navy ships for damage, making sure everything is fine. This helps in figuring out if there are any problems with the ship underwater.

Secret operation: Secret military work underwater, checking

WAHDAT (وحدت)

THE UNIFIED SWARMING SUBMARINE SYSTEM



MOTHERSHIP COMMAND SYSTEM:

Unified Decision-Making: The mothership guides the swarm with smart decisions, using teamwork algorithms.

Unwavering Resilience: Built strong, the mothership can keep going even if parts don't work well.

Electric Propulsion Leadership: The mothership leads using electric power, moving at a top speed of 8 kilometers per hour.

Versatile Navigation Mastery: Smart navigation helps the mothership lead through different underwater places.

Swarm Fleet Operations:

Battleship Assault Strategy: The mothership tells the group to attack big ships in a smart way, working together.

Adaptive Tactics Leadership: The mothership changes plans based on what's happening, leading with smart strategies.

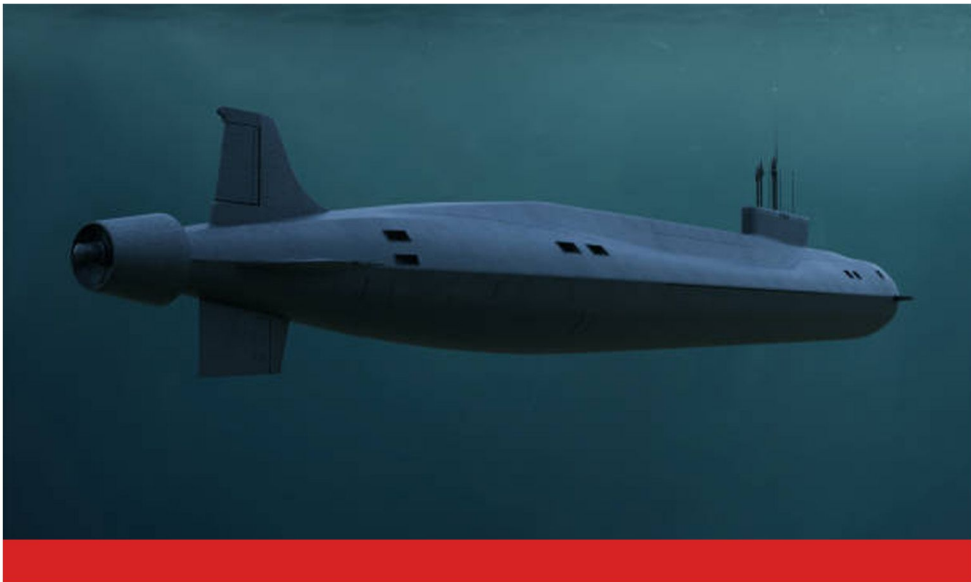
COORDINATED SPECIFICATIONS:

Robust Mothership Communication: Good talking helps the mothership and group members share information fast and reliably.

Autonomous Decision-Making Authority: Each smaller ship can make its own choices, helping them deal with tough situations.

Precision Location-Based Navigation: Smart navigation helps the group go to specific places under the mothership's guidance.

CUSTOMIZE UNDERWATER SUBMARINE



CUSTOM SPECIFICATION:

Customizable Submarine: Tailored to fit specific customer needs, this submarine offers a range of customizable features, including payload, speed, depth capabilities, attacking ability, and noise levels.

Versatile Payload Options: The submarine can be equipped with various payloads based on mission requirements. Whether it's surveillance equipment, data sensors, or specialized tools, the payload can be adjusted to match the mission's objectives.

Adjustable Speed and Depth: Customers have the flexibility to customize the submarine's speed and diving capabilities. This adaptability ensures fast performance in different operational scenarios.

Upgrade Attack Strength: Tailor the submarine for stronger offensive power, enhancing its ability to carry out strategic strikes effectively.

Secret Operation: Designed for secret operations, the submarine can minimize noise levels, ensuring secret movements underwater. This feature is essential for missions that require confidentiality.

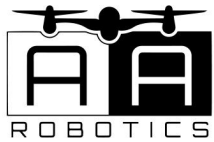
Tailored Noise Levels: Customers can specify the desired noise levels of the submarine based on the operational requirements. This customization provides control over its sound.

Smart Navigation System: Fitted with a smart navigation system, the submarine can move accurately underwater during missions. This technology helps it navigate with ease and efficiency.

Secure Communication: Ensuring secure data transmission, the submarine is equipped with advanced communication systems. This feature enables reliable and encrypted communication in various operational conditions.

Customized Depth Capability: The submarine's depth can be changed or customized to fit specific mission needs. This customization helps it work well in various underwater settings.

YOUR MISSION, YOUR SUBMARINE DESIGN IT TO MEET YOUR EXACT REQUIREMENTS



ANTI DRONE SYSTEMS



(مانع الطائرات)

AEROGUARD JAMMER



MULTI-LAYERED COUNTER UAV SOLUTION

DETECTION CAPABILITIES OR MECHANISM:

Active Radar can **detect 200 drones** simultaneously.

Data Provided includes Position, velocity, altitude, and trajectory of incoming UAVs increase situational awareness to facilitate better decision-making.

Detection Range minimum detection radius for small drones for example DJI phantom is 5 kilometers, with a detection altitude of 1000 meters customizable as per requirements.

JAMMING MECHANISM:

RF Jamming emits signals that interfere with UAV communication channels, making them blind.

Can jam all potential frequencies within a confirmed **coverage** of **1.5-2 kilometer radius** and up to 3 kilometers depending upon the area.

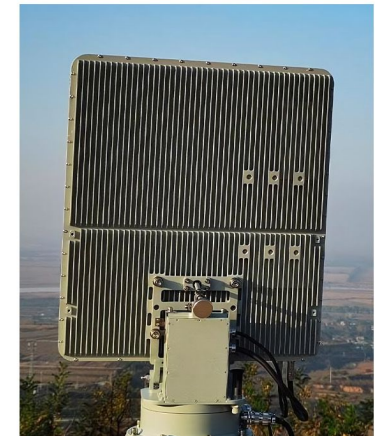
Neutralizes UAVs relying on RF signals of the same frequency ranges 8 Frequency bands and within 1.5 kilometers range. This disrupts guided munitions navigation. It causes big errors in their accuracy.

TECHNICAL DETAILS AND PERFORMANCE:

The system covers a **wide range of frequencies** 410-480, 840-960, 1170-1280, 1440-1480, 1560-1620, 2400-2480, 5150-5350, 5725- 5850 MHz bands for jamming.

High power output with an effective range.

Detection system with customizable range and simultaneous tracking capabilities for enhanced performance.



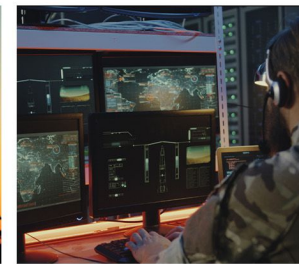


INTEGRATION AND APPLICATIONS

Jamming technology integrates with counter-UAV technologies such as detection and interception systems. The system is portable and can be installed in various scenarios, including:



Airports



Headquarters



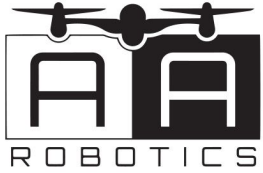
Military operations



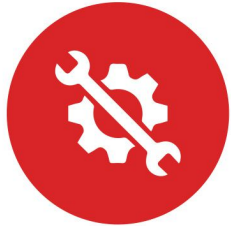
Law enforcement activities



Protecting critical infrastructure in commercial sectors



OUR SERVICES



COMPREHENSIVE TECHNICAL SUPPORT

Post-delivery technical assistance provided.



EXPERT DIAGNOSIS AND RESOLUTION

Swift resolution of drone damage or issues by our expert technical team.



FLEXIBLE DURATION OPTIONS

Ongoing assistance available with flexible duration options (annual or monthly).



REMOTE ONLINE SUPPORT

Convenient remote online support for added convenience.



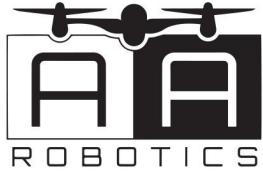
COMMITMENT TO SATISFACTION

Committed to ensuring customer satisfaction and smooth product functioning.



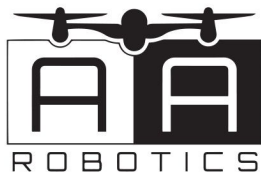
PRODUCT TRAINING WORKSHOPS

Conducting workshops to train users on optimal drone usage and maintenance.



PRODUCT'S SUMMARY

Category	Name	Range (Km)	Payload (Kg)	Speed (M/s)		AOA	Main Purpose
				Dash	Cruise		
Fix-Wing Drone	Light of Elevation (نور الارتفاع)	30	3	30	16	22°	Kamikaze Drone specialized for attacking military targets.
Fix-Wing Drone	Journey To Heights (رحلة العلو)	40	4	30	16		Minefield Detector
Fix-Wing Drone	Winds Of Altitude (رياح العلو)	100	20	40	28		Best For Cargo Delivery Humanitarian Aid
Hexacopter	Sky of Freedom (سماة الحرية)	60	10	24	16		Route Reconnaissance
Hexacopter	Sky Mission (مهمة السماء)	40	5	30			Silent Attacker
Hexacopter	Breeze of the sky (نسيم السماء)	20	5	30			Counter-IED Operations
Hexacopter	Manned Copter (تحدي الأفق)	45	200	24			Heavy Lifter
Hexacopter	Military Drone armed with guns (المدطرة الهجومية)	10	8	20			Assault Destroyer
Vtol Drone	The Soaring Eagle (النسر الطائر)	100	5	55	30		Defense Innovation with Vertical Takeoff



PRODUCT'S SUMMARY

Category	Name	Range (Km)	Payload (Kg)	Main Purpose
Land Rovers	The Victor (المنتصر)	30	5 (On Requirement)	Military Scout for Fast Observation in tough environments
Land Rovers	The Guardian (الحماية)	30	5 (On Requirement)	Border Guardian for Surveillance and Rapid Response
Land Rovers	The Mine Detector (الكاشف عن الغام)	30	5 (On Requirement)	Mine Detecting
Land Rovers	The War Machine (علاء الحرب)	30	5 (On Requirement)	Fast Observer in Tough Areas

Category	Name	Main Purpose
Security Robots	Protection (تُحْفِظ)	Best For Patrolling Private Areas, Detecting and Tracking people within 100m radius, Face Recognition for Personnel Identification, Can be Remotely Control Via Internet
Security Robots	Observer (رَقِيب)	Best For Professional Security and in Industrial Use, Detecting people within 200m radius, Robotic Patrolling, Can work in Dark, Fully Autonomous Patrolling, Thermal Imaging Technology
Security Robots	Guardian (مُحَافِظ)	Ideal for recurring delivery with face recognition, Best Security for Agriculture, Ranches, Coastal Areas and Water Reservoirs, Equipped with 360 degree security camera, Mobile Surveillance, Fully Autonomous

Category	Name	Main Purpose
Underwater Robots	The Marine Aircraft (الطائرة البحرية)	Drone that can swim and fly in sky same time, 6 Min hovering time, 6.5 feet per second underwater swimming speed, Best for Marine surveillance and Aerial reconnaissance, Can Do Search and Rescue
Underwater Robots	The Proud Submarine (غِيور)	Ideal for transporting assets and personnel discreetly across vast water expanses. Equipped to deliver a range of weapons, enhancing tactical capabilities in offensive engagements.
Underwater Robots	The Powerful Mothership (أمر الغواصة)	Best for various military tasks, Adaptable Mobility for different ocean depth and under water conditions, Can work without controller and software, No need for mission planner, Deep Sea Exploration

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