



Life Shield
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Vision For A Better Future





The Custodian of the Two Holy Mosques
King Salman bin Abdulaziz Al Saud



My primary goal is to be an exemplary and leading nation in all aspects, and I will work with you in achieving this endeavour.





His Royal Highness
Mohammed bin Salman bin Abdulaziz Al Saud
Crown Prince, Prime Minister,
and Chairman of the Council of Economic and Development Affairs

It is my pleasure to present Saudi Arabia's Vision for the future. It is an ambitious yet achievable blueprint, which expresses our long-term goals and expectations and reflects our country's strengths and capabilities. All success stories start with a vision, and successful visions are based on strong pillars.



Message from the Chairman

Since its inception almost over 50 years ago, Life Shield has been a prestigious leader amongst Defence and Military companies in the Kingdom of Saudi Arabia. This is accredited to its distinctive work force that possesses great experience and immense competence. Additionally, the creation of well-formulated strategies that are executed with precision and expertise. With these inherent qualities, the company is staged for steady growth and prosperity.

The annual report records several achievements and future-plans that are going to support the company in overcoming the various challenges it faces. The company has always adopted a policy of transparency, integrity and strict adherence to the rules of governance and all related laws and regulations.

In conclusion, I would like to extend my thanks to my leadership team, managers, employees of the company and to express my appreciation to the Board of Directors for their guidance that has contributed to our accomplishments as an entity. I would also like to thank all the team for their ongoing support towards achieving further growth in the future.

Life Shield Team



Hisham Mansour Jamaan Al Jamaan
Chairman, Life Shield
Holding Group of Companies

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ABOUT US

LIFE SHIELD is a Saudi company established in 1968. The company has had a long experience in the military and security field, it participated in the first and second Gulf Wars providing military equipment and manufacturing. LIFE SHIELD has obtained strategic global partners in the military and security field. Life Shield has already signed TOT with several partners and will start manufacturing in the Kingdom.

The Company is specialized in military manufacturing besides variety of other domains, including the provision of products and solutions for military and security systems, communication systems, information technology, atomic energy systems, and military training.

OUR MISSION

To provide high quality products, solutions and services through innovation and ongoing work to improve, develop and sustain our solutions and products to match and keep pace with state-of-the-art technologies and services in order to meet the needs of our Kingdom and the world.

OUR VISION

To be a leading Saudi company in innovation, manufacturing and development to provide defense and security solutions all over the world.

Our Services

LIFE SHIELD prides itself by the provision of a wide range of integrated services that offer our clients a successful and ideal experience and make us partners in success as we pay attention to the finest details of the work to cater to all needs in several areas; such as:

- Military systems and solutions.
- Arms and ammunition.
- Security systems and solutions.
- Communications and IT systems and solutions.
- Provision of consulting services and solutions.
- Support, training, and development.
- Manufacturing.

LIFE SHIELD has provided various services, products and solutions for several sectors such as, The Royal Guard Command, Armed Forces, Joint Forces, Ministry of Defense, Ministry of Interior, Ministry of National Guard, Special Security Forces, below are a some of the systems we are currently providing;

- Arms and Ammunitions
- Bombs, Rockets and Warheads
- Personnel equipment
- Detection and Surveillance Systems
- Skydiving Equipment & Accessories
- Communication Systems
- Alternative Energy Systems
- Atomic (Nuclear) Energy Systems
- Training and Simulation Systems
- Manufacturing
 - Aircraft systems manufacturing (F-15, F-15S, Tornado).
 - Manufacture of bomb and rocket bodies.
 - Manufacture of munition bodies.
 - Manufacture of vehicle bodies.
 - Manufacture of machine gun tripods.
 - Manufacture of personnel carriers.
 - Manufacture of portable workshops.
 - Vehicle armoring.

UAV/s

ISR & Strike UAV system

LS-SkyBow



The system is suitable for field mobile use, with the function of "ISR and striking". Its operational radius is 50km. It can carry EO/IR gimbal and 2 attack ammunition at the same time. Realize battlefield intelligence, reconnaissance and surveillance, and accurate targeting. As well as precise attacks on high-value targets and time sensitive targets, and real-time BDA.

- LS-SkyBow

Technical Data

Endurance	upto 3 hours (ISR & Strike) upto 4hours (ISR & Relay)
Wingspan	4.8 m
Combat radius	50km
Max Takeoff Weight	65kg
Max Payload Capacity	9.5kg
Cruising Speed	85km/h
Maximum Flight Speed	130 km/h

Payload options 1. TV+IR 2. TV+IR+LRF 3. TV/IR+Laser Designator

- High precision electronic sand table can be generated before the war, 3D electronic map and military map. Mapping accuracy is better than 1m.
- ISR & strike: The system integrates intelligence reconnaissance, fire strike and BDA, and has high operational efficiency.
- High strike accuracy and small collateral damage; Attack accuracy is better than 1m CEP.
- Strong target indication ability: static target positioning accuracy is less than 5m, dynamic target positioning accuracy is less than 10m, and laser designate target indication ability.
- Strong information acquisition ability and less external dependence, belonging to Autonomous weapon system;
- Pure field mobile use: no airport, satellite communication, transportation and other conditions are required.
- Fully automatic vertical takeoff and recovery.



SPRING BLADE KNIFE - UAV

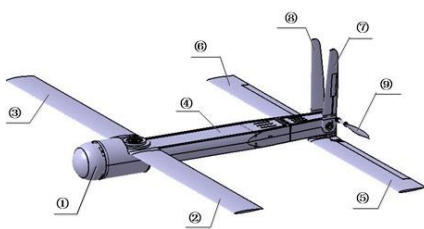
LS 4004 UAV



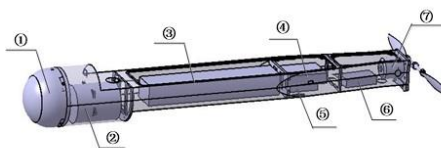
The LS 4004 is a spring-blade unmanned aerial vehicle system adopts the integrated design of storage, transportation and launch, which is easy to carry and use. The aircraft platform can be folded into the cylinder and launched by the cylinder gas ejection method. It carries the visible light/infrared dual light load and the warhead, which is used for reconnaissance of the mission area or real-time locking and attack of the mission target.

LS105 UAV - Spring Blade Knife

- The aircraft platform adopts the upper single-wing design, which has high lateral stability;
- The wing can be folded into the cylinder, and the integrated design of storage, transportation and launch is convenient to carry;
- It is launched by means of gas ejection, which has the characteristics of simple operation, no infrared characteristics, low noise, no risk of martyrdom caused by gunpowder firing, low temperature resistance and high altitude;
- The ground station software fully considers the human-computer interaction and the control logic of the missile patrol platform, combined with the intelligent design of flight control, so that operators can quickly use it without complex training;
- The system adopts modular design to facilitate production and maintenance.



1. Guide head
2. Left front wing
3. Right front wing
4. Fuselage
5. Left rear wing
6. Right rear wing
7. Left V tail
8. Right V tail
9. Propeller



1. Dual light load
2. Warhead
3. Battery
4. Flight control computer
5. airborne link
6. Electronic governor
7. Motor and propeller



Portable Missile for Attacks

LS CAS-H01



LS CAS-H01 is a portable intelligent miniature search-and-fight UAS. The equipment is in the form of a barrel and can be carried by a single soldier, carrying 1-3kg of ammunition each.

It has very low requirements for landing and take-off environments, and can even be hand-held, and is capable of carrying out reconnaissance, search, tracking, identification, attack and other combat missions, and supports multi-engine swarm attacks.

It can take off vertically at the place of 5,500m, and has a wind resistance rating of 6.

In the mountainous jungle, urban alleyway and anti-terrorist warfare, the UAV is the weapon of choice for single soldier or small unit, which not only have the advantage of air control, but also defence and attacks within a range in 10km.

Technical Data

This product has high reliability, compact, modular design, small in size, good hovering and fordable by reasonable cost, easy carried by soldier. There are advantages as;

1. Easy carry and quick launch. Intelligent flight, both take-off and landing, AI tracking and attacking.
2. Carries about 3-5 times the payload weight
3. of a comparable drone, but is more than twice as small, providing better visual concealment.
4. Less than 30% of the noise of comparable drone, with better noise concealment. Easy fabrication, up to 1000 per day for production and delivery.

Portable Missiles

Training, Attack, Launch

Training



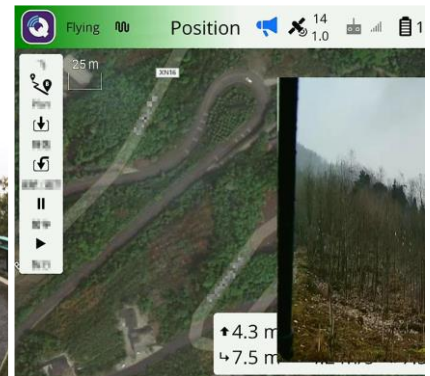
Attack



Launch



- The system is made up of a drone and a ground control.
- The UAVs are divided into two types - training and easy missile.
- The ground remote control is a highly integrated all-in-one with functions covering mission planning, mission playback, real-time monitoring, digital mapping and communication datalink.
- The ground control device is a convenient all-in-one machine, suitable for UAS field operations.



Portable Missile for Attacks LS CAS-H01

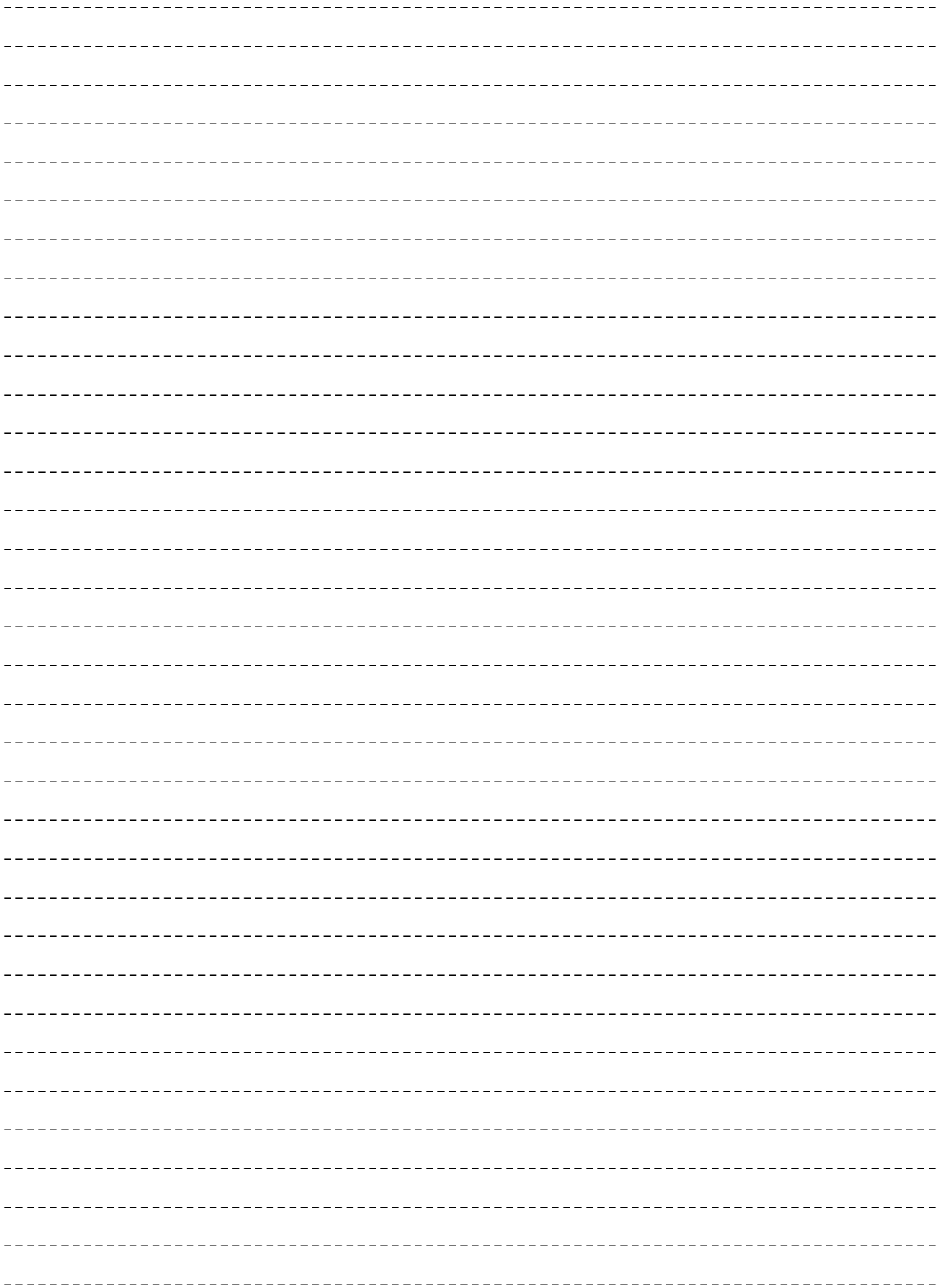


Technical Data

Flight time:	1.2Kg combat Payload 15 minutes
Flight time:	2Kg combat Payload 11 minutes
Flight time:	3Kg combat Payload 8 minutes
Lateral flight speed:	40KM/H
Loadable:	Visible/Infrared 2-in-1 pods, communications and combat units
Hovering accuracy:	<0.7M (GPS mode)
Wind:	<7
Weight:	<8Kg
Distance:	<12Km

Comments:

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