



COMPANY PROFILE





TECHNOLOGY . AVIATION . FUTURE





MYSKIES



ABOUT MYSKIES





"MySkies is a UAE Dubai registered establishment with over 15 years of accumulated expertise in the aviation industry. Up-scaling technological innovations using UAVs (unmanned Aerial Vehicles) meeting sustainable development goals. We offer consultancies, drone trading, IT and block chain services. "

"My Skies is a global aviation consultations hub working on different aviation sectors, specializing in systems design and integration services in national and international markets."

We provide turnkey products and services for aerial projects for large & medium.



VALUES





VISION

To lead and supply the aviation industry with new and updated technology plus ideas to continue the growth of a sustainable future.



MISSION

To provide the latest state-of-the-art technology, knowledge and know-how on unmanned Aerial Vehicle (UAV) Drone for surveying, surveillance, remote sensing, and civil law enforcement.

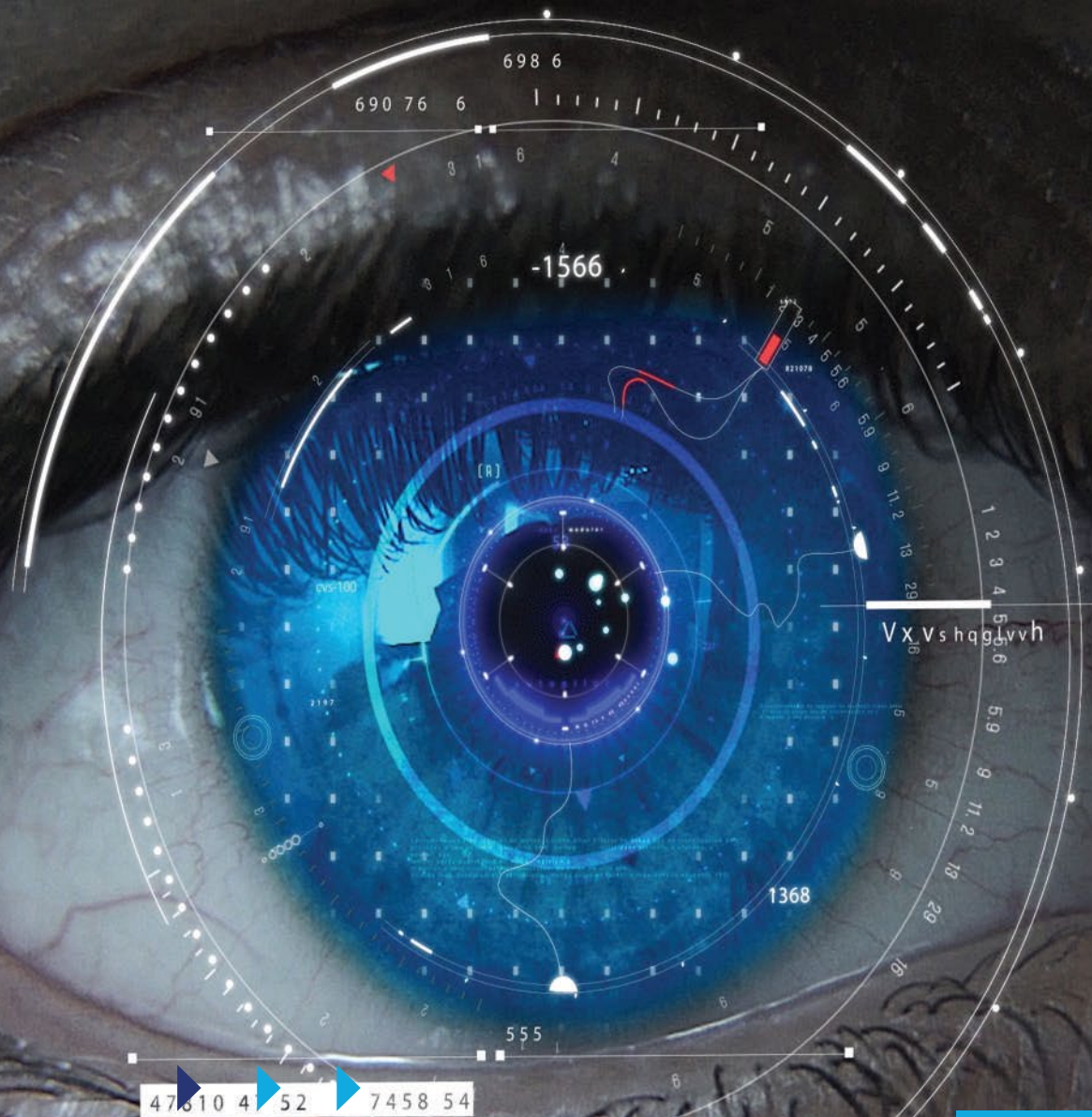


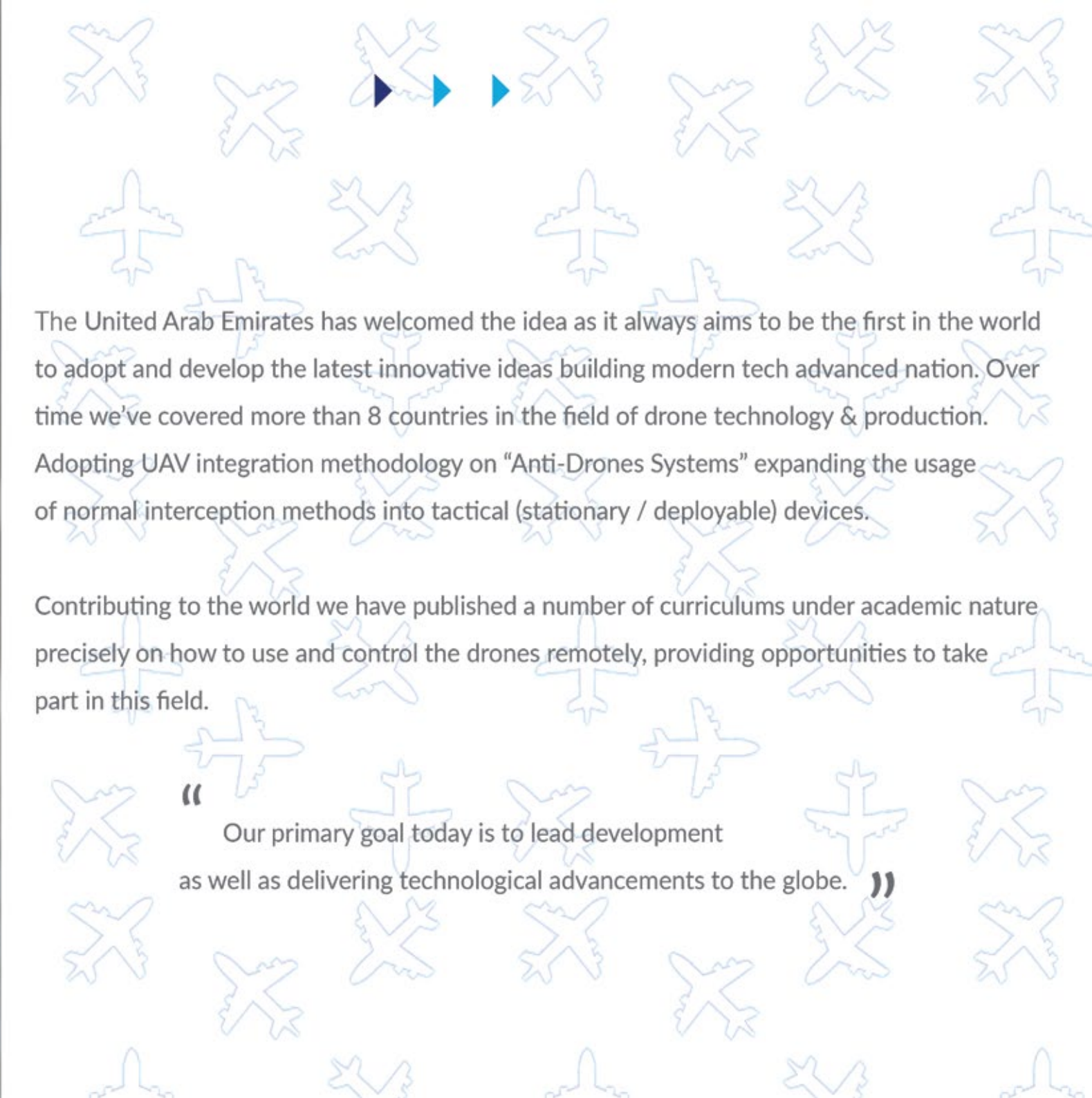
MESSAGE

My Skies provides aviation consultations, training, advisory and air booking services to airlines, airports, ground service companies, public authorities and international institutions worldwide.



OUR STORY





The United Arab Emirates has welcomed the idea as it always aims to be the first in the world to adopt and develop the latest innovative ideas building modern tech advanced nation. Over time we've covered more than 8 countries in the field of drone technology & production. Adopting UAV integration methodology on "Anti-Drones Systems" expanding the usage of normal interception methods into tactical (stationary / deployable) devices.

Contributing to the world we have published a number of curriculums under academic nature precisely on how to use and control the drones remotely, providing opportunities to take part in this field.

“ Our primary goal today is to lead development as well as delivering technological advancements to the globe. ”



CEO'S MESSAGE





MySkies perceives a future in which the sky & the airspace will develop into a significant economic-commercial zone tending to the necessities of people's everyday lives.

The near future exemplifies multiple airborne drones which will be the new common. Our responsibility towards the society is to develop with federal authorities an ecosystem with a marketplace comparable to the dawn of automobiles.

For that future, safety and security is indispensable. Placing highest priority measures on safety & security, ensuring the reliability of drone space.

MySkies integrated hardware innovation and invented the original structural design technology. Our drones are a revolutionary technology that improves the performance of industrial drones in areas such as productivity, time & cost.

Following steady footsteps, we've built a strong patent portfolio to encourage the adoption of MySkies solutions to the commercial industries as well as military operations.

On a global scale, we've promoted for successful business partnership introducing innovative platforms for training & academy purposes.



Fadi El-Amin



WHY MYSKIES

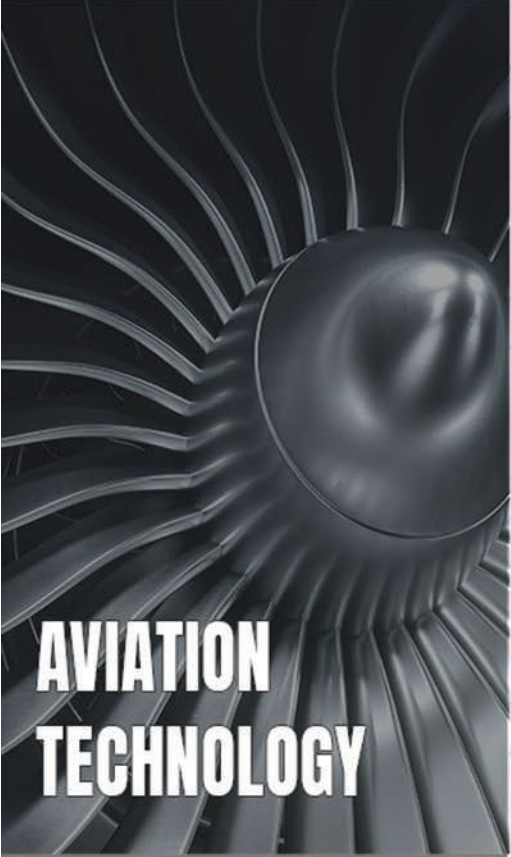


Our continuous investments in R&D and training activities to maintain our technological excellence retaining high trust in our products allowing us to have an extensive know-how, ranging from systems to operational procedures in all market segments which we operate. Every day we strive towards expanding our experiences in different areas as well as technical capabilities.



OUR SERVICES

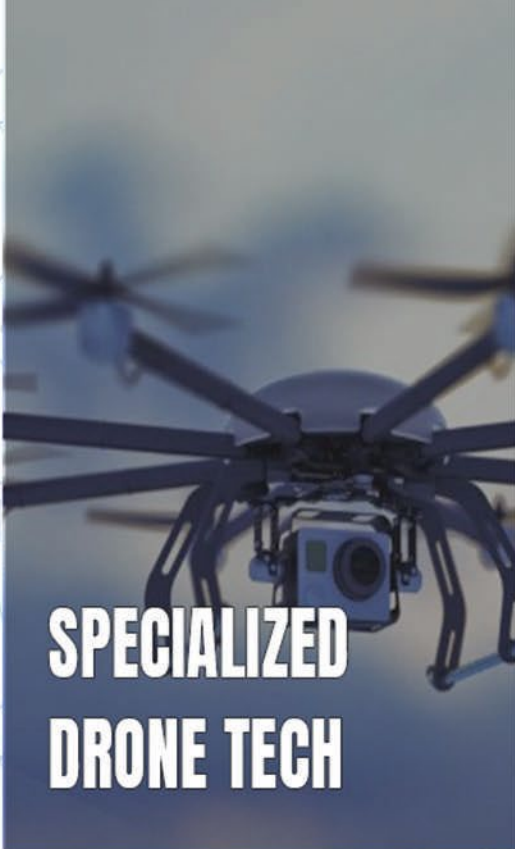




**AVIATION
TECHNOLOGY**



**TRAINING
&
ACADEMY**



**SPECIALIZED
DRONE TECH**

**OUR
SERVICES**



**AIR BOOKING
&
CHARTER**



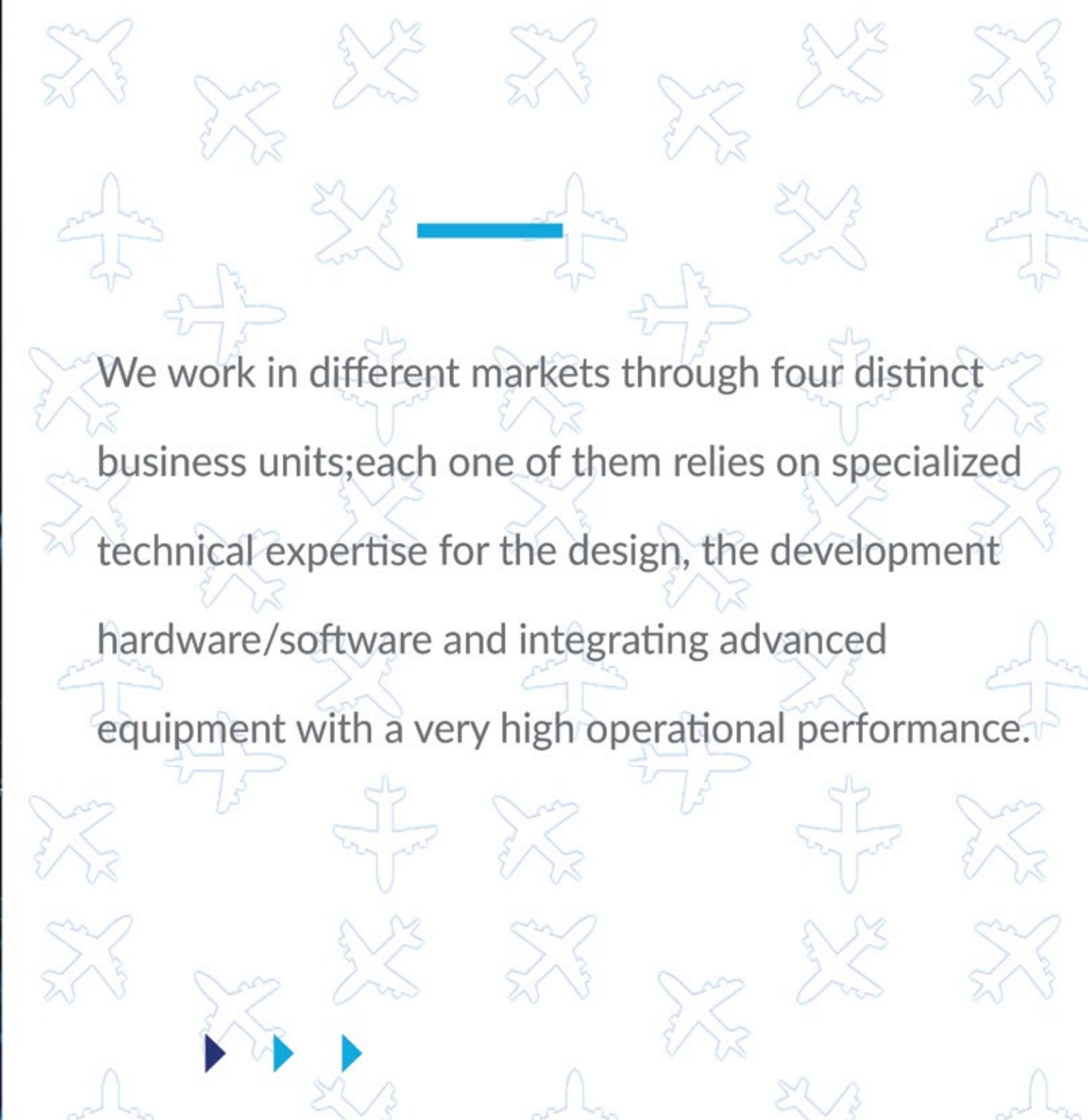
**RESEARCH
&
DEVELOPMENT**



CONSULTANCY



BUSINESS UNITS

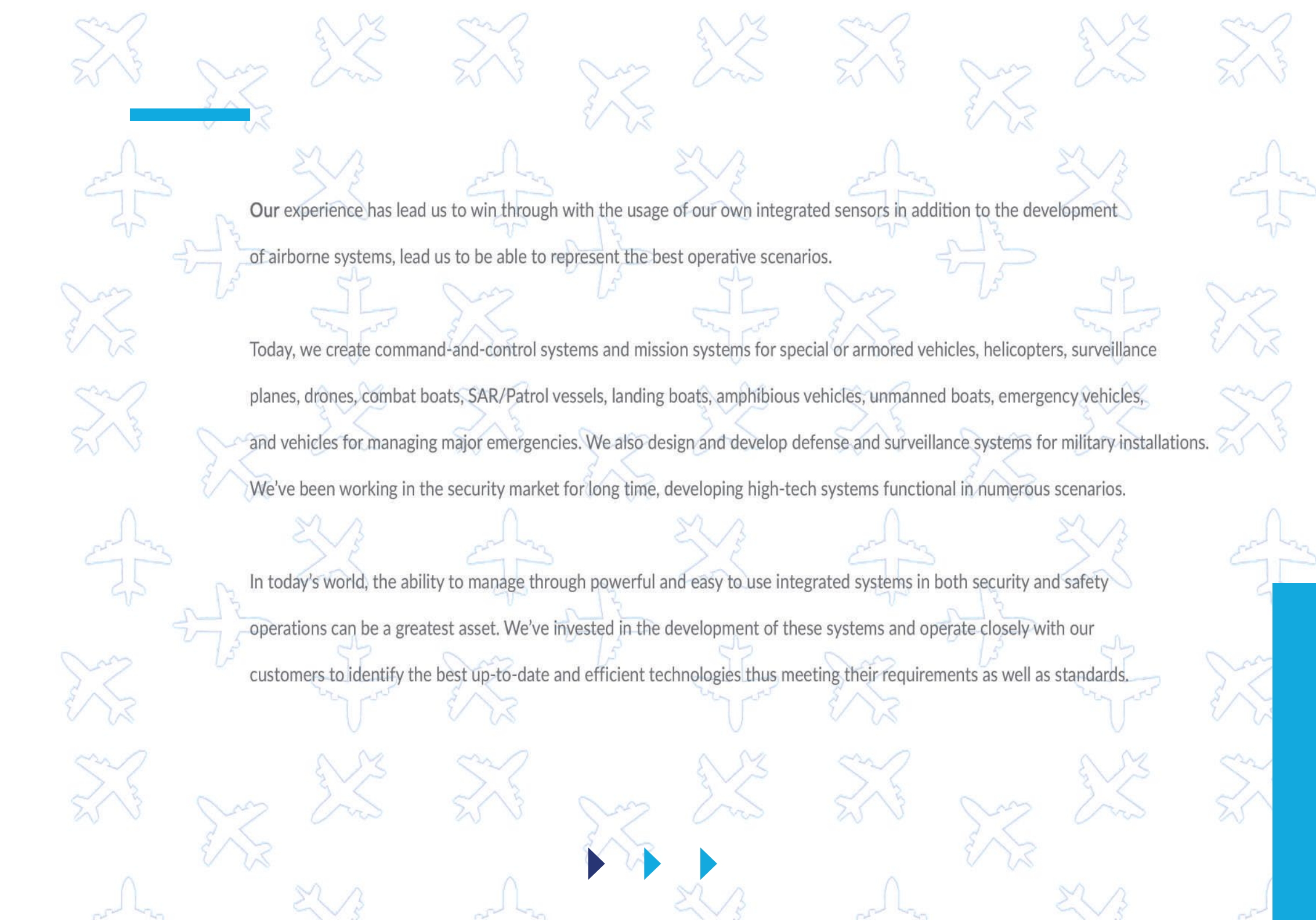


We work in different markets through four distinct business units; each one of them relies on specialized technical expertise for the design, the development hardware/software and integrating advanced equipment with a very high operational performance.



DEFENSE & SECURITY





Our experience has lead us to win through with the usage of our own integrated sensors in addition to the development of airborne systems, lead us to be able to represent the best operative scenarios.

Today, we create command-and-control systems and mission systems for special or armored vehicles, helicopters, surveillance planes, drones, combat boats, SAR/Patrol vessels, landing boats, amphibious vehicles, unmanned boats, emergency vehicles, and vehicles for managing major emergencies. We also design and develop defense and surveillance systems for military installations. We've been working in the security market for long time, developing high-tech systems functional in numerous scenarios.

In today's world, the ability to manage through powerful and easy to use integrated systems in both security and safety operations can be a greatest asset. We've invested in the development of these systems and operate closely with our customers to identify the best up-to-date and efficient technologies thus meeting their requirements as well as standards.



A digital wireframe head in profile, facing right. The head is composed of a mesh of white lines. Inside the head, there are glowing blue and purple spheres connected by a network of white lines. Binary code (0s and 1s) is scattered throughout the background, some appearing as if floating in the air. The overall color palette is blue, purple, and white, with a soft glow effect.

RESEARCH & DEVELOPMENT

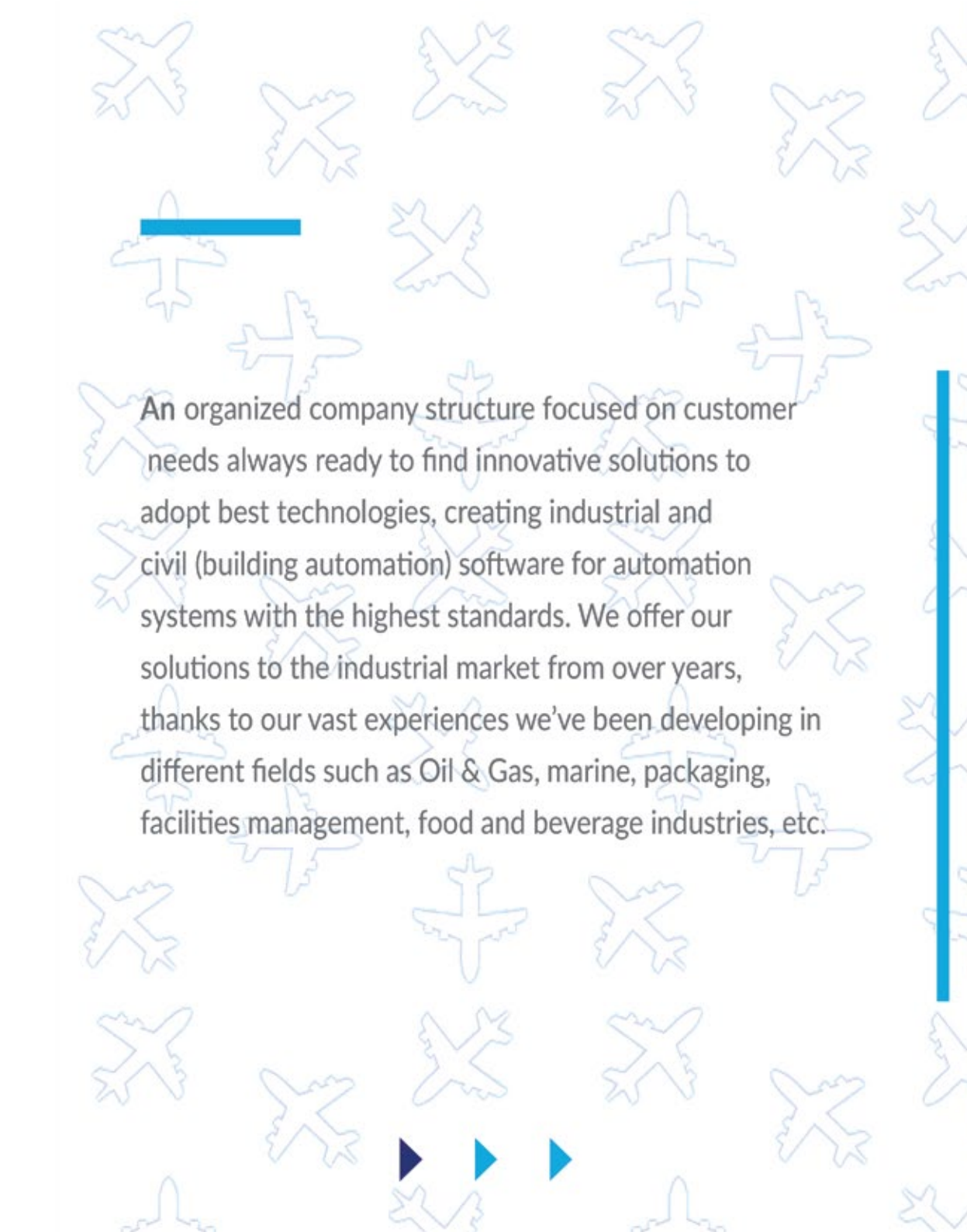
“EQUAL FUNDAMENTALS ARE PRODUCT & PROCESS OF INNOVATION”

For us, the human factor is mandatory: talent, meritocracy in addition to soft skills must be recognized and valued. Interpreting our interests in collaboration with universities also research center, we are able to increase the know-how of our company. In the same way should be read also our constant vocation for continuous improvement. We invest intensely about 10% of our turnover every year in continuous R&D program.

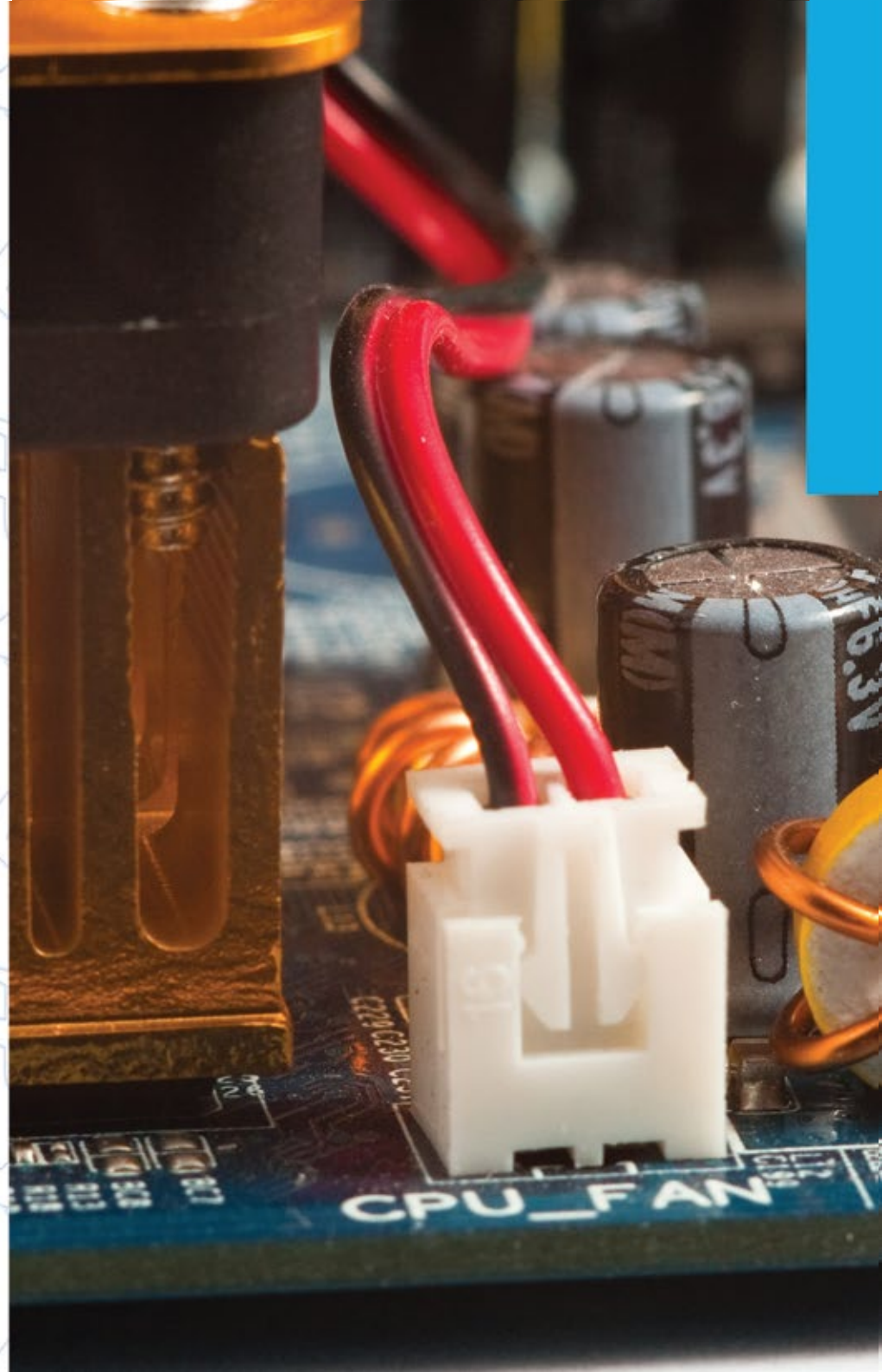


An aerial photograph of a white commercial airplane parked on a tarmac. The tarmac is a light-colored, flat surface. To the left of the plane, there are several bare trees with dark branches. To the right, there is a road with a yellow line and some green bushes. The overall scene is captured from a high angle, looking down at the plane and the surrounding area.

INDUSTRY



An organized company structure focused on customer needs always ready to find innovative solutions to adopt best technologies, creating industrial and civil (building automation) software for automation systems with the highest standards. We offer our solutions to the industrial market from over years, thanks to our vast experiences we've been developing in different fields such as Oil & Gas, marine, packaging, facilities management, food and beverage industries, etc.



FOR
TEAM
TO DAY

OUR
TEAM



Passionate towards technology innovations with experience in developing Research & Development practices with a solid experience in management and aviation technology.

"Imperatively doing our best to generate new drone ideas bringing them into life on a global scale"

AHMED AL RAEESI
CO-FOUNDER



Fadi El Amin is the Founder & CEO of MySkies. Being well experienced technologist with 12+ year of experience in the UAE & the MENA. He is highly qualified for leading with his expertise in drone & Artificial Intelligence (AI) proving his brilliance in the defense forces and public sector.

"We invite you to join us in creating the future of the sky through technology"

FADI EL-AMIN

CHIEF EXECUTIVE OFFICER
(MSC - SAFETY & SECURITY
BSC - AIR TRANSPORT MANAGEMENT)



Co-founder & Chief operations officer for MySkies specialized projects
Being highly perceptive towards aerospace technologies holding 10+ Yrs of dynamic management.
Well versed with engineering & operational roles for 7+ Yrs in the defense & commercial sectors.
Creativity has always been at the heart of technology.

"Sourcing our ideas into drawing on the right minds to develop technology in the right space & time"

MOHAMED OGAIBAN

CHIEF OPERATIONS OFFICER
BSC - AEROSPACE & TECHNOLOGY



A BRIEF HISTORY OF DRONES





An unmanned aerial vehicle (UAV) is a remotely operated vehicle. The first unmanned vehicles were developed in the United Kingdom & the United States during WWI. Showing promising results in flight tests, but neither used drones during their war. Reconnaissance UAVs were first widely used in the Vietnam War. After the Vietnam War, countries other than the UK and US began researching unmanned aerial vehicle technology. The new model is more challenging, with improved endurance and altitude holding capabilities.

Drones today can monitor climate change, searching for natural disasters, photographing, filming, delivering relief supplies, and much more. Their most famous use, however, is in the military for reconnaissance, surveillance, and targeted attacks.





PRODUCTS



HARWAR -V8

FLIGHT SPEED

Maximum Flight - 18m/s
Maximum Climb - 7m/s
Maximum Descend - 3m/s

LONG ENDURANCE

Flight Range - 22km back & forth
Flight Time - 60mins hover;
45mins flying
GPS Position Accuracy -
 $\pm 0.5\text{m}\updownarrow$; $\pm 1\text{m}\leftrightarrow$



MATERIAL

3K Carbon Fiber,
Aluminum, Magnesium
and Titanium Alloy

PAYLOAD

Maximum Payload - 5kg
Net Weight (w/o payload) - 5.8kg
Remote Video Receiver
Distance - 10km
Legs Extending Time - 10S

PENGUIN C UAS 3M

COST EFFICIENCY

capabilities extension, radio
signal repetition or signal
source detection

LONG-ENDURANCE

long range unmanned aircraft
system design for professional use

HIGH EFFICIENT

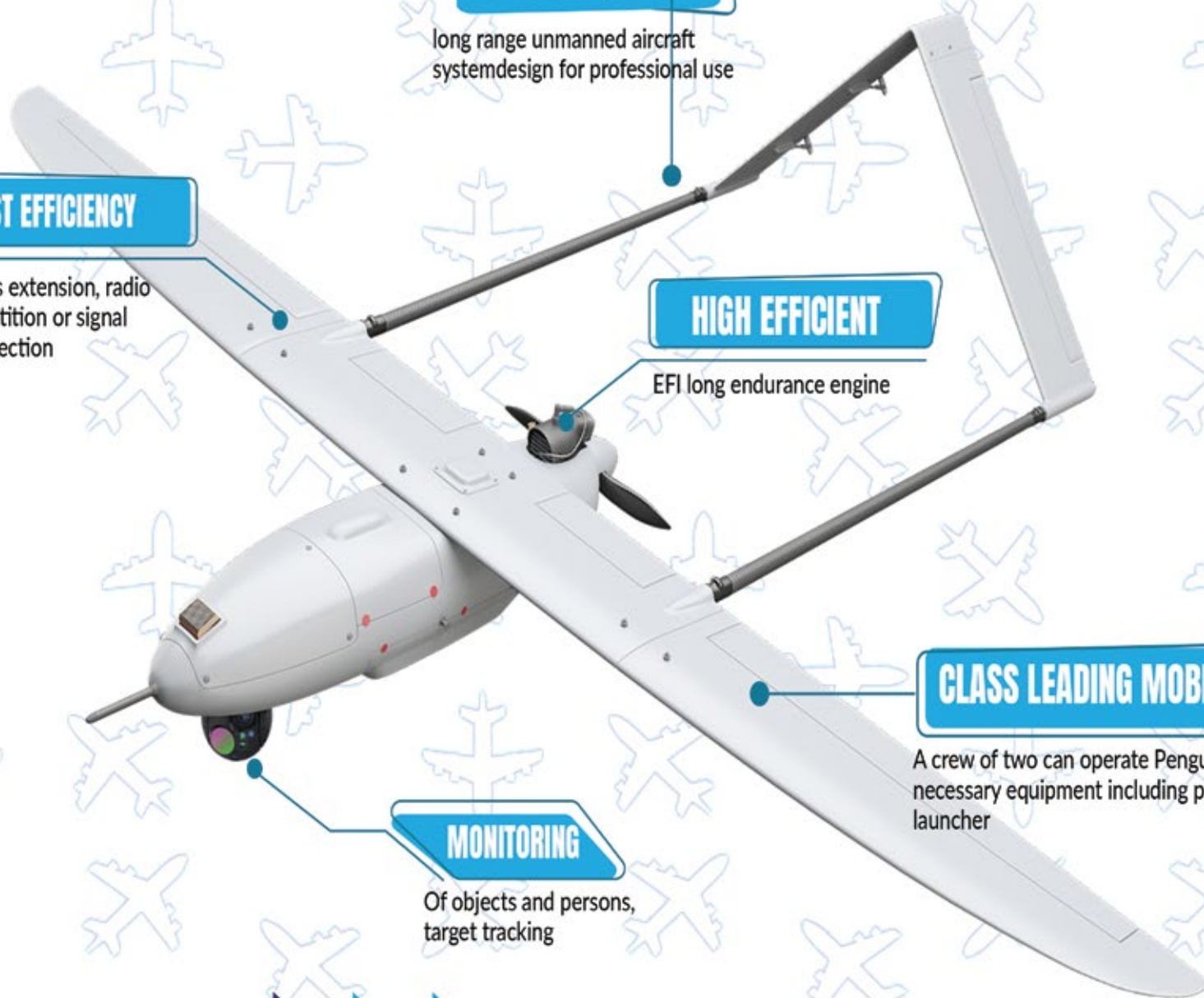
EFI long endurance engine

CLASS LEADING MOBILITY

A crew of two can operate Penguin and all
necessary equipment including pneumatic
launcher

MONITORING

Of objects and persons,
target tracking



SWAN 3.8M

GROUND STATION

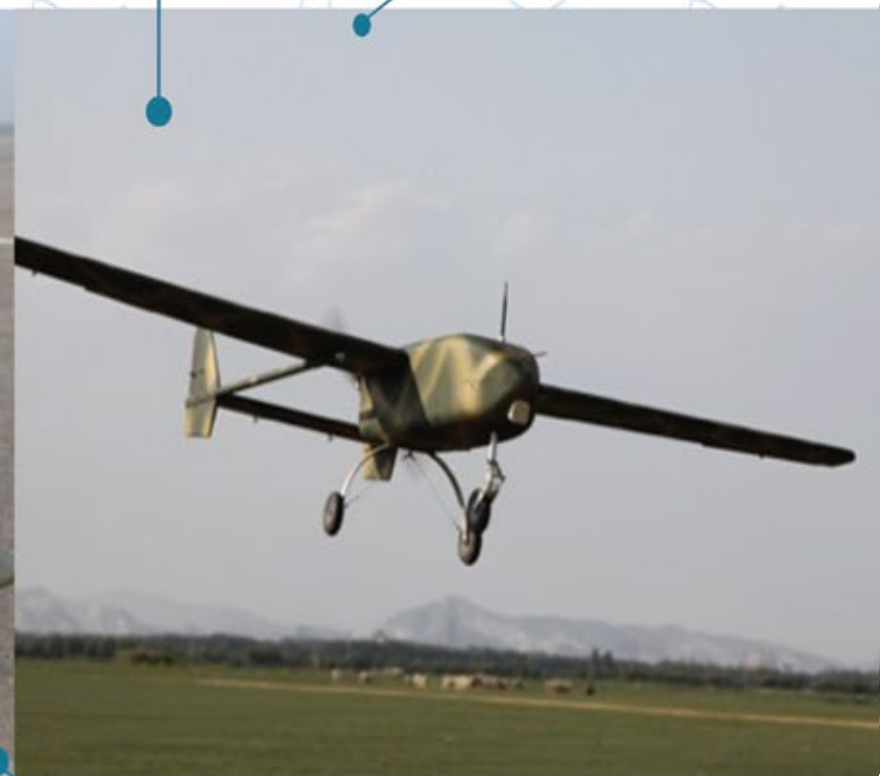
to control flight path and camera

IMAGE TRANSMISSION

live image sending back to
ground station

AUTO PILOT

control UAS to fly as per path



EARLY STAGE

technical support for flight
services and training

SWAN 6M

MAXIMUM PERFORMANCE

up to 130 km/h cruise airspeed,
stall speed up to 65 km/h

MAXIMUM TAKEOFF

Weight 75 kg,
wing area 2.64 m²
power plant 150-220 cc
takeoff method -
runway/vehicle

RPM sensor
Cylinder temp. sensor
Fuel tank and sensor
Stall speed

ELECTRIC STARTER



AUTOPILOT

and CGS with Data/video
link

VTOL-UAS

MAXIMUM PERFORMANCE

up to 80-100 km/h cruise airspeed,
max climbing speed 6m/s

ENDURANCE

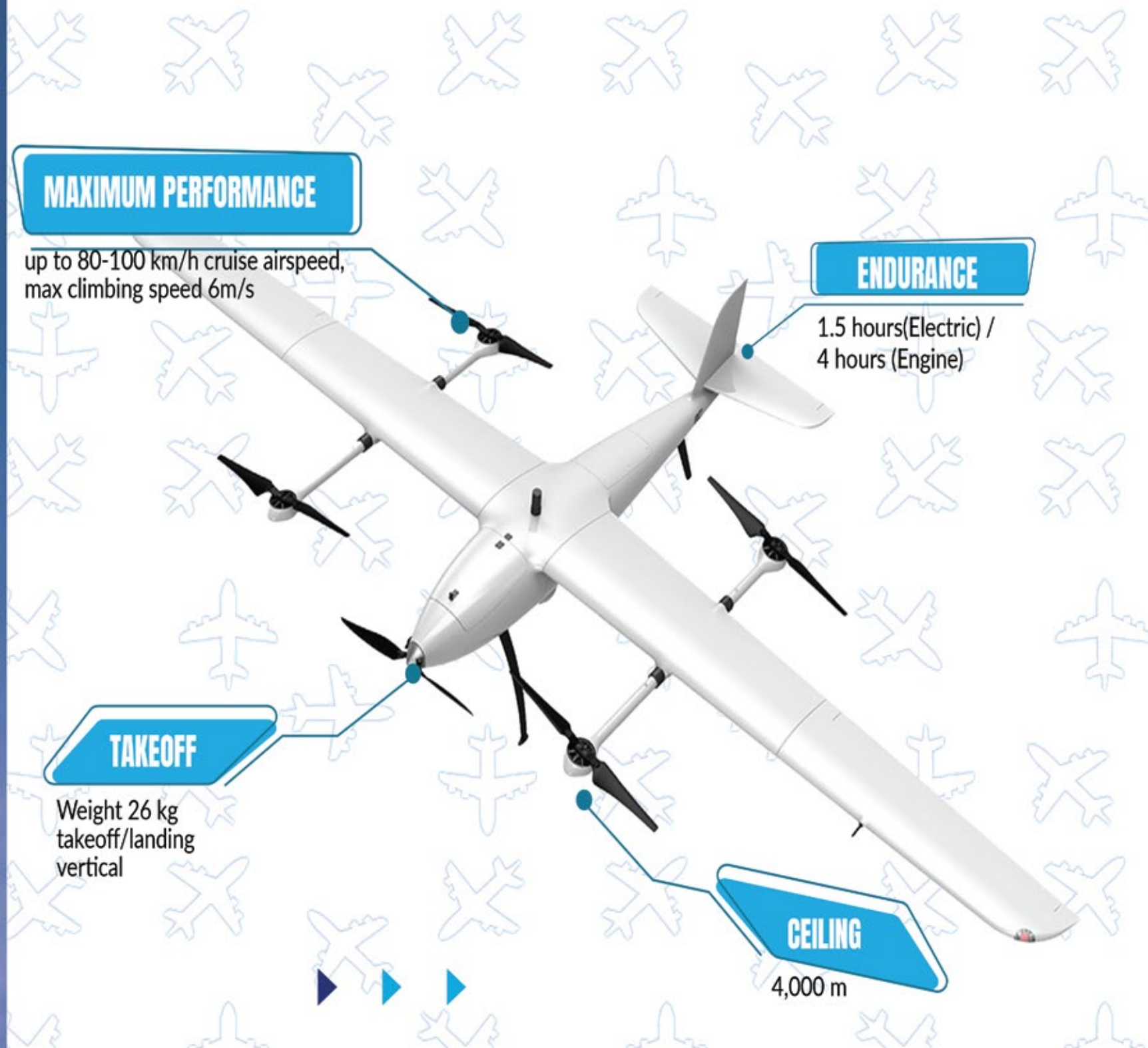
1.5 hours(Electric) /
4 hours (Engine)

TAKEOFF

Weight 26 kg
takeoff/landing
vertical

CEILING

4,000 m



HELICOPTER UAS CZ-3

MAXIMUM PERFORMANCE

Engine power 34 Hp
Engine type - Water cooling rotary
Fuel 92#Gas

START-UP

Startup mode - Motor starter

WEIGHT

65 Kg
Payload 35 Kg

CONTROL

Radius <30 Km
Auto mode | Semi auto



5H GEH

FLIGHT SPEED

Max flight time: Over 5 hours
Max speed: 15m/s
Flight time: 3 hours(4L fuel)

FUEL GENERATOR

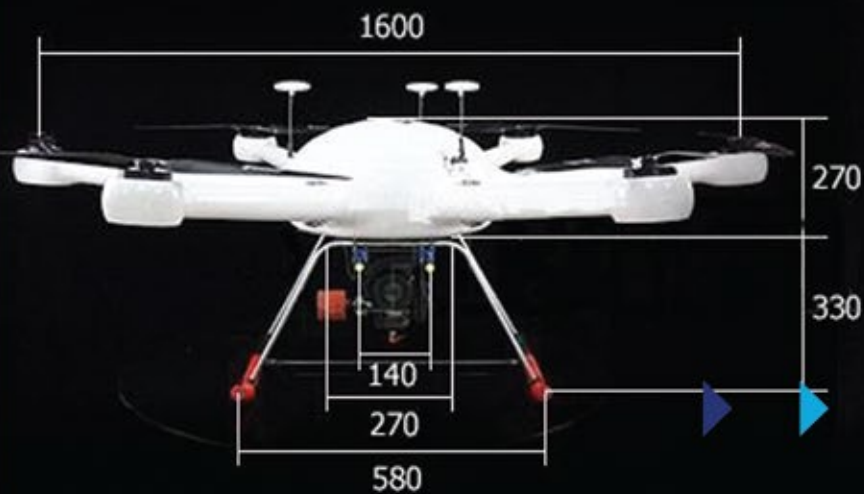
1800W / 2000W Output
4kg weight

POWER

Voltage: 48V
Fuel tank: 4L
Fuel consumption:
1.5L/H(Max)

PAYLOAD

Weight: 14.5kg(no fuel)
Max take-off Weight: 19.5kg
Payload up to 5kg



Unit: mm

HARWAR -V8

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Maximum Climb - 7m/s
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SENSORS



The UAV Aerial Command System Module

Sony Alpha a7 II Mirrorless Digital Camera with Gimbal



The UAV Smoke Projectile Projection System Module



FLIR Vue Pro R 640 Camera Gimbal with Sony X10 Camera



The UAV Tear-Gas Projectile System Module



The UAV Ground Command and Control System

The 36x Zoom Camera



The UAV Net Throwing Gun System Module



The 18x Zoom Starlight Night Vision Camera



The UAV Gas Detection System Module



The UAV Airborne Lighting System Module





APPLICATIONS



- 
- 
- 
- 
- Agriculture
 - Arts, Entertainment and Recreation
 - Construction
 - Cargo, Courier Services, Intralogistics & Warehousing
 - Educational, Scientific & Technical Services
 - Energy
 - Healthcare and Disaster Relief

- Information & Motion Pictures
- Insurance
- Mining and Quarrying
- Public Administration
- Public Emergency Services
- Real Estate and Industrial Plants
- Safety and Security
- Telecommunication
- Transportation Infrastructure
- Waste Management and Remediation Services



FIELD CONTROL
P-34.34-3

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SAFETY & SECURITY

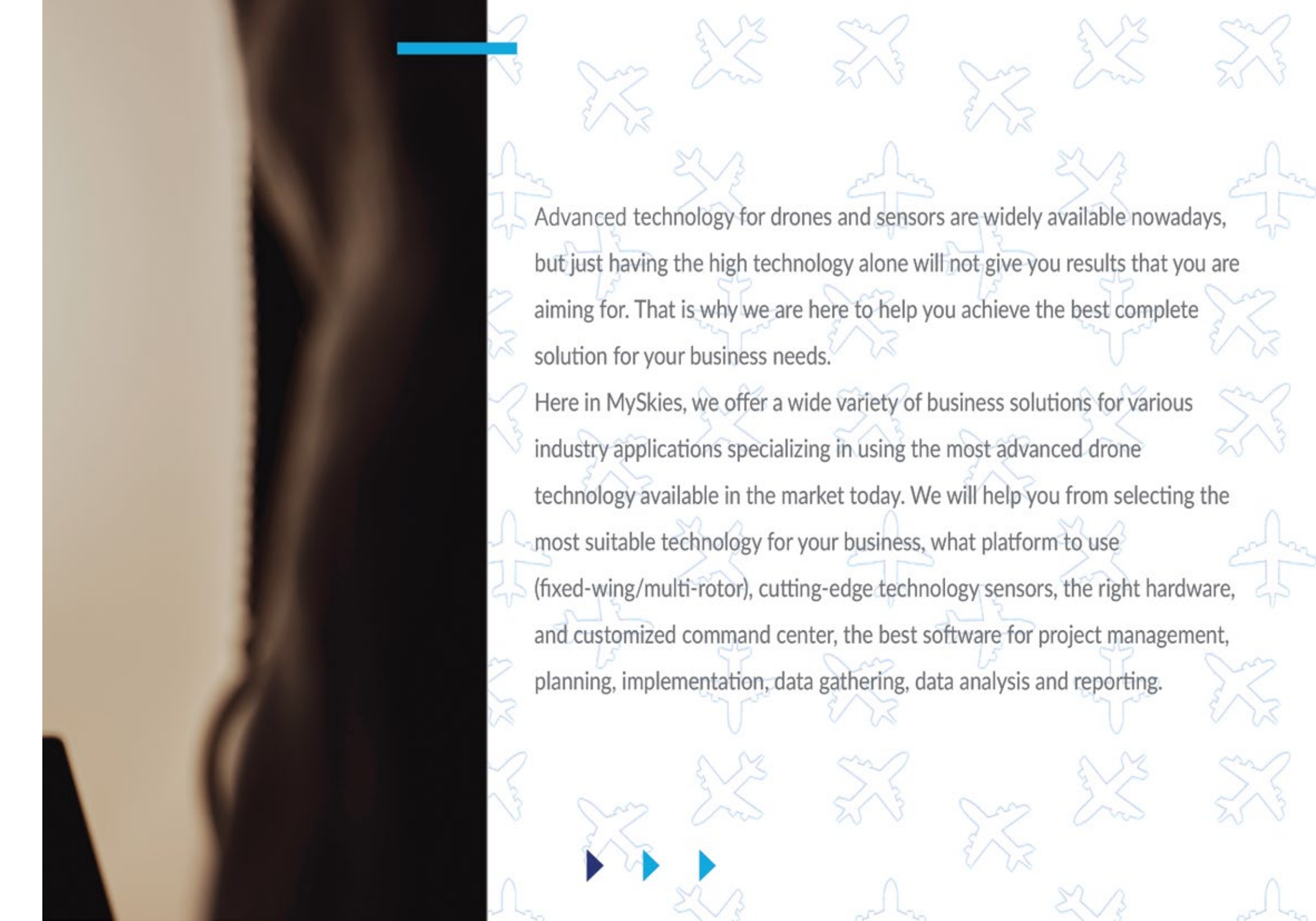
FF-2.3

FF-2.2

POLICE
MILITARY
FIREFIGHTING
ANTI-DRONES

POLICE

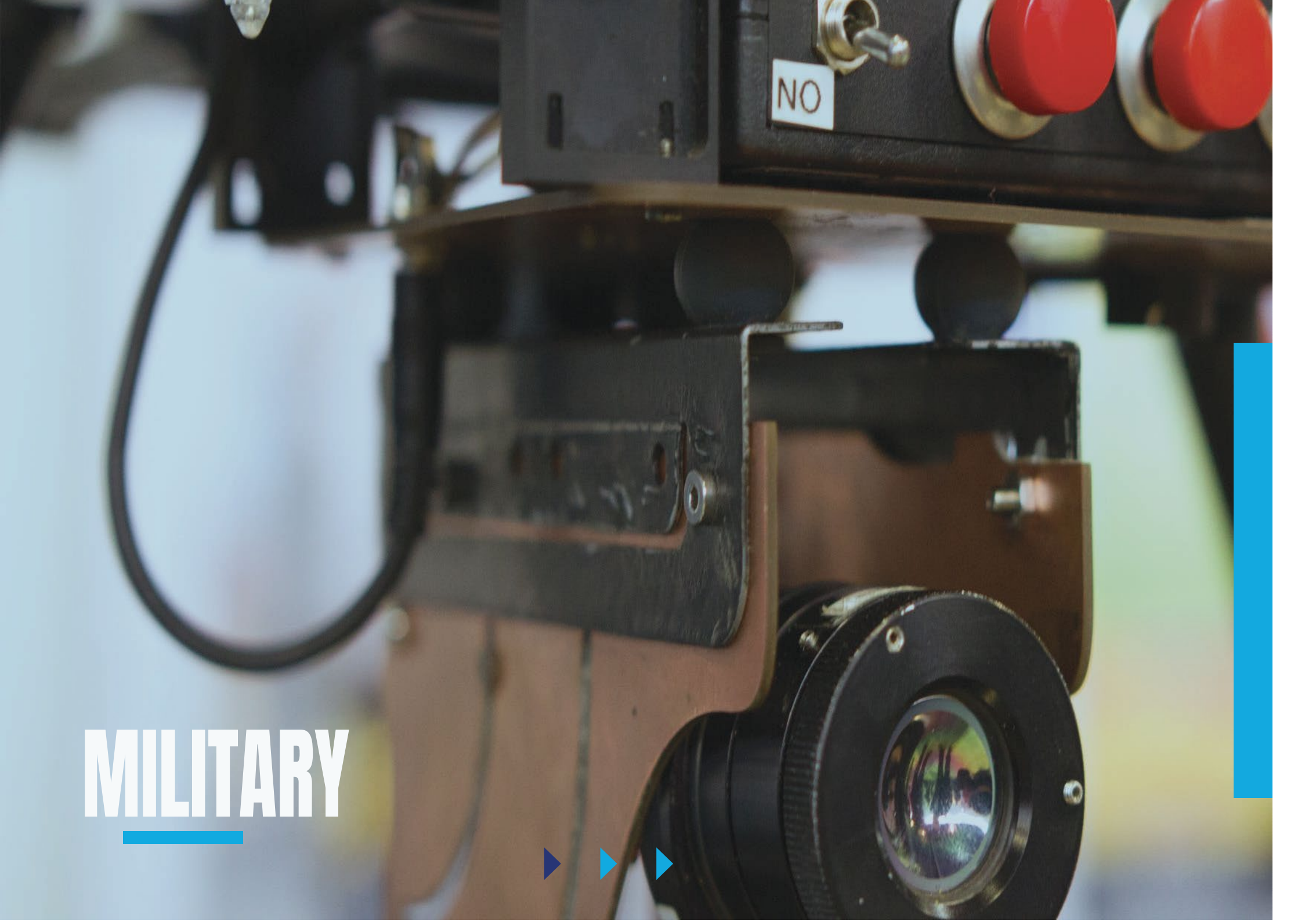




Advanced technology for drones and sensors are widely available nowadays, but just having the high technology alone will not give you results that you are aiming for. That is why we are here to help you achieve the best complete solution for your business needs.

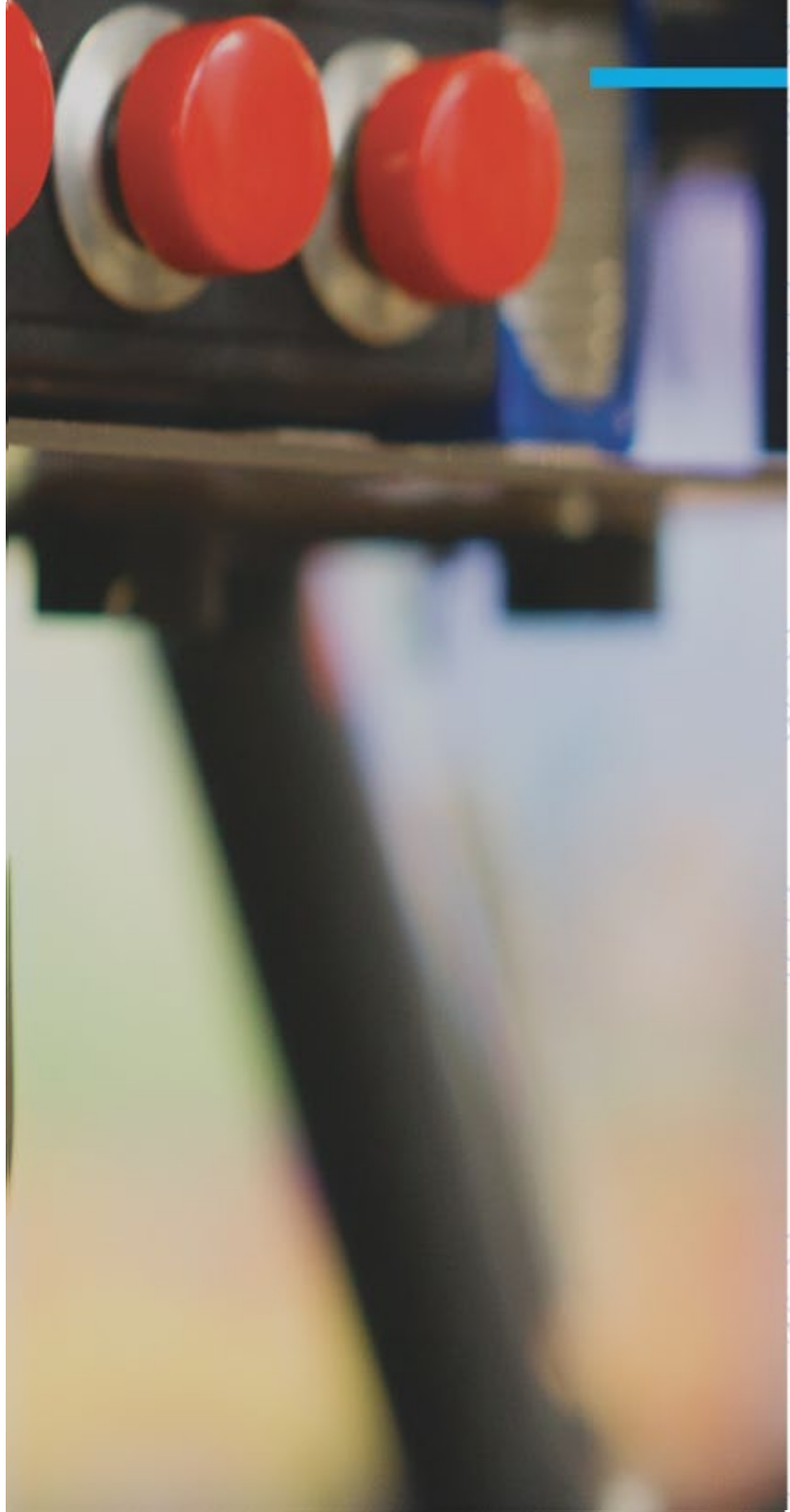
Here in MySkies, we offer a wide variety of business solutions for various industry applications specializing in using the most advanced drone technology available in the market today. We will help you from selecting the most suitable technology for your business, what platform to use (fixed-wing/multi-rotor), cutting-edge technology sensors, the right hardware, and customized command center, the best software for project management, planning, implementation, data gathering, data analysis and reporting.



A close-up photograph of a military electronic device. The device features a black metal frame with a prominent lens in the lower right corner, which reflects a scene of palm trees and a sunset. Above the lens, there is a black rectangular component with a small white label that reads "NO". To the right of this label are two red push-buttons. A black cable is visible on the left side of the device. The background is blurred, showing a light-colored surface.

MILITARY





As the Drones market began growing rapidly more technology is improving, Drone UAV's has shown real & sometimes significant threats for critical infrastructures and people due to their malicious or errant usages. Safety is a vital pillar enduring peace & prosperity thus Myskies has expanded its reach using its internal & external resources to become a leading company in providing counter drone solutions as well as human safety solutions.



FIRE FIGHTING





Knowledge to Technology system's Fire Fighting System provides a complete trunked solution for Fire-Fighting using new technology:

- Headquarter command center
- Mobile command center
- Drones
- Thermal and Video camera for fire truck
- Fire Fighting Management System

The system provides the command centers on the fields, the headquarters and the top management data to follow the incident live with audio and location on the map for the drones, vehicles and for the firefighters.

The system enables to monitor the incident, this will allow them to plan and make decisions during and after the fire incident. For search and rescue also, all the documented data are recorded to the headquarters server and can be used for investigation, making it the main document and reference for the investigating team. It also includes an investigation system for data collection and analysis.

A white, high-wing aircraft with a propeller is shown in flight against a clear blue sky. The aircraft is viewed from a low angle, emphasizing its size and the steep climb of the mountains below. The sun is visible in the upper right corner, creating a lens flare effect. The overall scene conveys a sense of aerial surveillance or defense.

ANTI-DRONE



The Anti-drone system is the number one defense system to counter UAVs in modern-day life since it doesn't involve human interaction on the close range also acts as a front-line defense in hostile situations and fragile scenarios. The Counter UAV system is a comprehensive sophisticated system tailored to combat illegal invasions and protecting prohibited locations. The system comprises detecting and jamming along with thermal camera units to perform the anti-measures.



SKYSAFE



MOBILE ANTI-DRONE PLATFORM



MARITIME



SKYBLADE



SHORT RANGE SOLUTIONS



DRONELOCK



RADAR



360° RF DETECTOR/
DIRECTION FINDER



JAMMER



EO/IR SYSTEM



KNIGHTS DOME



SKYJAM



HARD KILL

WATER RESCUE





The UAV is equipped with an imaging camera that streams live to a second lifeguard operating the UAV, allowing them to easily see the precise location to drop the flotation device. The UAV is able stay in position over the water in strong winds and this can speed up the response rate and to reach the victim with help more quickly by flying over the water than the lifeguard swimming through the water.

UAV become a powerful tool in water rescue operations because of the ease of deployment.





AIRIAL SPRAYING SERVICES



The aerial spraying solution by drone

Powerful

The Hercules 10 can lift up to 7.5 kg and carry a wide variety of payloads.



Hercules 10 Tethered Spray

Equipped with 4 nozzles Pump + Hose / Spray motor pump on trolley with a 80L tank

Resistant

Its carbon fibre frame and anodised aluminium fixings make the Hercules 10 extremely durable.

Light and compact

With its 4 removable arms, landing gear and payload, the Hercules 10 is easy to carry.



Hercules 10 Tank Spray

Equipped with 4 nozzles and a 5L tank

HERCULES 10 TETHERED SPRAY OPTIONS



Pump + Hose + Jerrican (35L)

3 bars max



Spray Motor Pump (80L | Option : 120L)

25 bars max

FEATURES

EFFICIENT OPERATIONS

With the motor pump system, the drone sprays up to 18 litres of liquid per minute for faster and more effective treatment than manual spraying

PRECISE SPRAY

The drone is designed for the precise spraying of liquid products for the treatment of surfaces, roofs and facades. It offers a new treatment solution for many applications.

REDUCED RISK

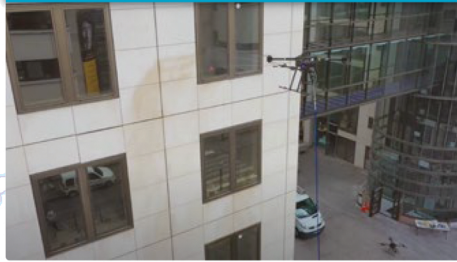
The drone allows quick and easy access to inaccessible and dangerous areas. It is operational in 10 minutes and reduces equipment installation.

APPLICATIONS

ROOF CLEANING



SURFACE CLEANING



SOLAR PANEL CLEANING



AGRICULTURAL SPRAYING



REMOVABLE SYSTEM AND ULTRA TRANSPORTABLE

The drone is equipped with connectors for quick and easy disassembly of arms and landing gear.



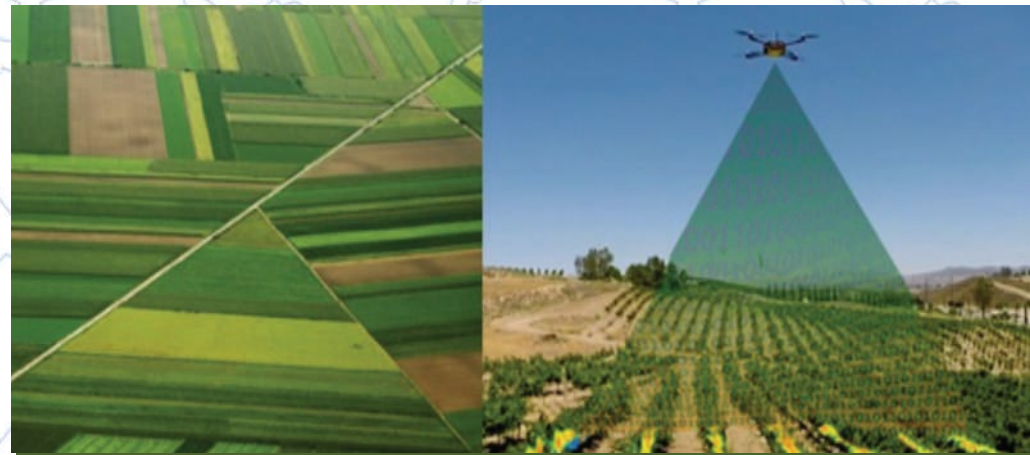
AGRICULTURE





Old Methods farmers carried in the past overspend in their resources such as chemicals & fertilizers in the action of spraying plantations which might be wrongly marked as being unhealthy.

Precision Agriculture is using modern machinery for more precise result oriented tasks, rectifies and alleviates the industry productivity and safety. Introducing Artificial Intelligence to provide more accurate insights cultivating the final decision making. Introducing A.I employment in UAV's to gather insights and processing them into Artificial intelligence algorithm automating the regular analysis tasks such as area measurements, crops health, image processing and segmentation.





MINING



Professionals who adapt drones into their mining operations quickly realize the significant added value they bring to their industry.

Namely, drones in mining improve the overall efficiency of large mine site and quarry management by providing accurate and comprehensive data detailing site conditions in a very short time. They also support better coordination among teams onsite and internationally, offering dynamic oversight of all operations.

Above all, this data can be safely produced by on-site workers who have minimal surveying experience at a fraction of the cost of traditional survey methods. Drone data provides more precise volumetric measurements than traditional surveying methods, such as ground-based GNSS. This allows better valuation of stockpiles, inventory and financial data.





ACADEMY & TRAINING



We serve the academic sector with the help of our global partners and community of professors who excelled in the fields of Robotics, Artificial intelligence, Data science and engineering. We have placed ourselves in the positions of preparing and nurturing the knowledge for the upcoming youth and future professionals.





SEARCH & RESCUE

Under disastrous circumstances such as earthquake, flood, mud slides & etc., which can stop the communication signal, the UAV can use the integrated communication module as a temporary communication station, in order to build up a wireless communication link. Through contact with the affected area. Transportation can be very complex in urban settings, during an emergency, UAV can reach the scene more quickly than ground transportation to collect information that can help rescuers to develop a better situational awareness.



TRANSPORTATION MONITORING

Our UAVs can be an indispensable tool in constructing an intelligent transportation system. UAVs carrying high-resolution DLSR are able to cover long range while capturing real-time traffic flow and also to fly preset waypoints that are also editable during flight to regularly monitor the traffic.

BORDER DEFENSE

Our UAVs solve the difficulties encountered in the traditional methods of border control, long-distance command, obtaining criminal evidence, monitoring & etc. UAVs can also fly between border checkpoints that are far from each other. A batch of UAVs can also be deployed at the same time by one ground control station, to cover a wider range of land for more efficient border reconnaissance.



PUBLIC SECURITY

Our UAVs can be used for aerial surveillance by obtaining real-time information and transmitting it to the command center on the ground to allow real-time situation awareness and decision making. UAVs can take the place of the fixed surveillance cameras installed in public places, since the latter lack flexibility and are constantly under the risk of vandalism in situations of riot or large-scale public gatherings, UAVs can carry audio amplifiers to broadcast important messages to the crowd and also to transmit live video to the police command center to help the police monitor the development of the events and to respond quickly. UAVs can also carry medical equipment or supplies to the crowd when it is difficult to do so through ground transportation. In addition, UAVs can also act as a low-altitude satellite to relay information between the command center and the scene.





CUSTOMS

UAVs can also be useful in the detection of border smuggling, drug dealing, human smuggling and other violations of the law.

POWERLINE INSPECTION BY UAV/DRONE

With accelerating urbanization, more and more extra high voltage and high capacity power lines are needed in cities, which requires traversing all kinds of complex geographical environments. This creates great difficulties for power line inspections; some locations even put workers' lives at risk. Power line inspection by UAV/drone allows real-time transmission of information to ground control centers, utilizing equipment like visible light cameras, infrared thermal imagers & etc.



BRIDGE INSPECTION

Bridges require regular inspections to eliminate potential safety hazards. Traditionally, such inspection is carried out by humans - the workers need to hang beneath the bridge, or start from an elevated platform. However, such traditional inspection methods not only create visual dead zones but also put the workers' personal safety at risk. Alternatively, the use of UAVs allows a rapid and comprehensive examination of a bridge. Each UAV is equipped with a 4K HD camera that can capture high-resolution photos and videos of the bridge's critical structures. Such image data can be transmitted to the ground station for real-time or further analysis later on, so that the engineers can identify the problems of the bridge that need to be attended to immediately.



PHOTOVOLTAIC PLANT INSPECTION

Photovoltaic plant aerial thermography allows, among other things, for the detection of potential failures at the level of individual cells (hot-spots), failures connected with by-pass diodes, indication of possible PID presence, and further potential problems detectable using an IR camera.



OIL & GAS PLANT INSPECTION

Our UAVs can be equipped with different professional cooled infrared detectors according to gas wavelengths to detect different gases. Without an auxiliary light source or a reflective surface, UAVs can finish detecting gas leaks without cutting power in the gas lines. When equipped with the infrared gas leak detector, the UAVs can detect more than 20 organic gases such as Methane (CH_4), Ethylene (C_2H_4), etc.

PIPELINE INSPECTION

The typical aerial pipeline inspection involves a relatively fast and high (and expensive and dangerous) over-flight with either an airplane or a helicopter. That's how it's been done for decades, and the resultant inspection can be fairly accurate and fairly thorough. But, with the inherent risks and potential liability of pipeline transportation of volatile or environmentally hazardous product, there is a better method.



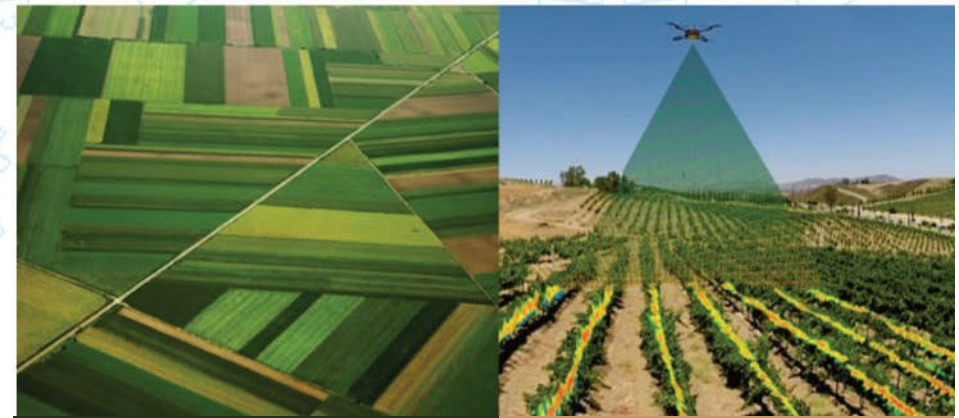
SURVEY & MAPPING

When comparing to current land surveying, conventional, manned aircraft, airborne remote sensing, and satellite remote sensing, UAV aerial shooting has the following advantages:

1. Low cost, making it viable for information acquisition even in small areas.
2. Highly flexible, with the ability to take-off and land at any time throughout the mission, unrestricted by the geographic position.

PRECISION AGRICULTURE

The introduction of UAVs this small, cheap, and easy to use is due largely to remarkable advances in technology: tiny MEMS sensors (accelerometers, gyros, magnetometers, and often pressure sensors), small GPS modules, incredibly powerful processors, and a range of digital radios.



WILDLIFE PROTECTION

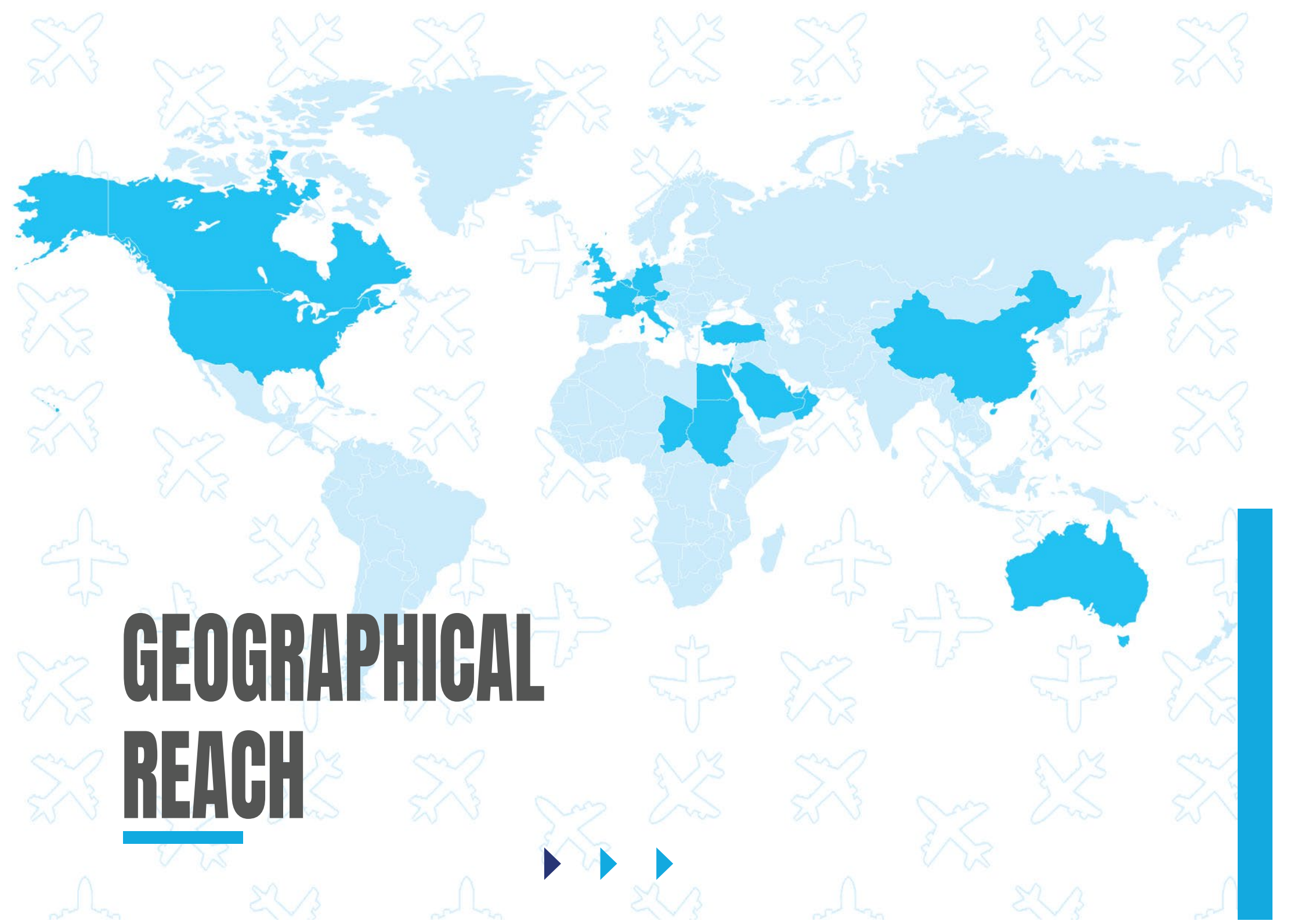
UAV technology can be used to help humans protect wildlife and nature.

There are many ways in which UAVs can help protect the earth and help humans achieve a more sustainable existence.

FILM & TV

With the development of the global film industry and innovation in the world of technology, new ways of filming will make room for creativity and added value in quality of images and videos today. Our drones are equipped with high definition cameras, customizable lenses as well as vibration control units to reduce fluttering and time wasted on filming ensuring high production capabilities.



A world map with a light blue background. The map is overlaid with a pattern of white airplane icons. Several regions are highlighted in a darker blue color, including North America, South America, Europe, Africa, Asia, and Australia. The text "GEOGRAPHICAL REACH" is written in bold, black, sans-serif capital letters in the bottom left corner. A thick blue vertical bar is on the right side of the image. Three small blue triangles are at the bottom center.

GEOGRAPHICAL REACH



CLIENTS & PARTNERS



TECHNOLOGY . AVIATION . FUTURE



info@myskies.net



+971 4 591 4111



**Office 505, Saheel 1 Tower,
Ittihad Road, Nahda 1 - Dubai, UAE**



www.myskies.net
www.myskies.ae



@myskiesworld

