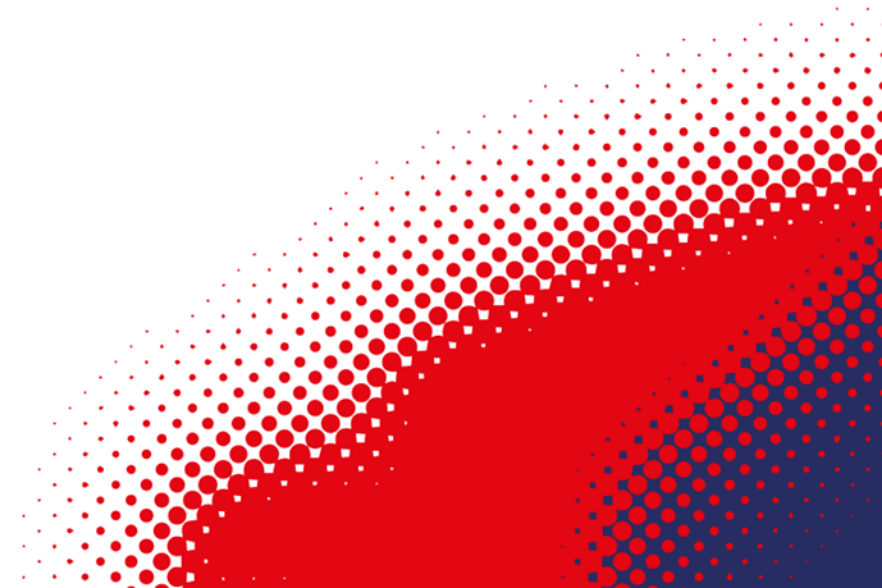




Aerial Solutions Company for Aircraft
Company Profile



WHO WE ARE

Aerial Solutions a subsidiary of ACES launched in 2022 focused and specialized in UAV integrated systems, solutions and equipment. Aerial Solutions in conjunction with its partners cross the globe is aiming to become one of the top leading Drones and Anti-Drones Solutions providers in the region. Our business models varies. We provide latest-generation industrial equipment, Aerial intelligence along with quality and reliable capabilities at a cost-effective manner to provide fully scalable and tailored integrated systems, which provides Sky coverage, video analytics and maximum protection of areas and facilities of various sizes, forms and functions. We serve a various range of industries in Broadcasting, Events, Security, Civilian, Military and Agriculture.

Vision & Mission

VISION

To be a world-class UAV solution provider that develops critical technologies that enable challenging and exceptional missions to be accomplished.

MISSION

- Committed to embracing and developing local talents.
- Enhance the state of the art of UAV technology through research and development
- Design and manufacture innovative high quality UAV products
- Deliver first-class UAV services to our clients"



DRONES

- Rapid setup and assembly
- Secured communication channels
- Increasing situational awareness
- No operational specialty required



DRONES' INDUSTRIES

BROADCASTING

Drones are becoming an essential news gathering tool to increase situational awareness and provide live stream as the situation occurs.



EVENTS

A new way to document and promote events with creating Immersive experience by providing bird's-eye to generate up to the minute updates to your audience.



SECURITY

A reliable and cost-effective way to allow real-time visibility, scan the perimeter, detect vulnerabilities and provide immediate response when a breach occurs.



DRONES' INDUSTRIES

MILITARY

An artificial intelligence (AI) weapon to be integrated into your military forces to rove on land, streak through the skies, and dive under the seas.



CIVILIAN

A rapid situation awareness and monitoring for civil protection, rescue activities, fast first line response to your emergencies.



AGRICULTURE

A modern farming machine to perform precision agriculture, efficient dispersing of grass and fertilizers, for increasing yield rate.



TYPES OF DRONES



Single Rotor Helicopters



Vertical Take-off and Landing (VTOL) Drones



Fixed Wing Drones.



Multi-Rotors Drones

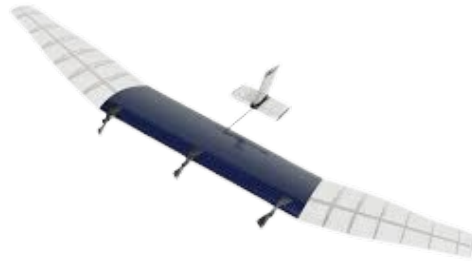


Underwater/Maritime drones [UUV]

TYPES OF DRONES



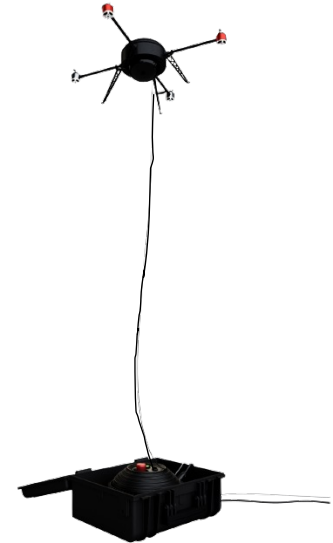
Electric drones



Solar-powered drone



Fuel engine drone



Tethered drones

COMBAT DRONES



HOW WE WORK DRONES

1. DATA LINK

We provide various types of data link to connect to and exchange data with your drone's fleet:

- Global Navigation Satellite Systems [GNSS].
- Fixed Wireless Data Link Towers.
- Cellular Data Link.
- Permanent physical link.

2. GROUND STATION

We provide various types of ground control station to monitor and control your drone's fleet:

- Fixed station in your command center.
- Fixed station in outdoor container.
- Portable station ready to go anywhere [Rigid Laptop].
- Vehicles Station [full vehicle customization].

3. PAYLOADS

We provide various types of payloads to be attached to your drones for a usage of massive applications:

- FHD Infrared Camera.
- FHD PTZ Camera.
- Thermal sensing camera.
- Laser scanners [LiDAR].
- Meteorological sensors.
- [sniffers] biological sensors that can trace microorganisms and chemical sensors.

E6 eVTOL



Widely used in Security Patrol, Oil and Gas Pipeline Inspection, Power Grid Inspection, Emergency Delivery and other fields. Compared with similar products, it has obvious advantages and outstanding performance in terms of range, flight time and plateau performance.

Full safety design with multiple anti-failure function design like Auto Return Home and etc.

Item	Parameter
Wing Span	3.8 m
Length	2.3 m
Practical maximum takeoff weight	36 kg
Empty Weight	16kg (No battery),26kg (4 suits battery),31kg (6 suits battery)
Max Load Capability	10 kg
Endurance/Range (No Wind, Altitude 300m)	4.5 hours > 350 km
Package Size	2m*0.6m*0.6m
Economic cruising speed	75km/h (27kg Takeoff Weight) , 86km/h (32kg Takeoff Weight) , 94km/h (36kg Takeoff Weight)
Maximum cruising speed	150 km/h
Practical vertical takeoff altitude	5000 m
Practical Ceiling	> 7000 m
Datalink control range	Up to 50 km
Takeoff and landing anti-wind capability	> 12 m/s
Deploy/Pack time	< 2 min
Takeoff and landing location accuracy	0.5 m
Anti-rain capability	Light rain
Operation temperature	-20~55°C

Current Clients



Security
Department

Production
Department



نيوم NEOM



ANTI-DRONES

- Precise location targeting
- Silent killer equipment
- 24/7 Protected perimeter
- Spy-free sky



HOW WE WORK ANTI-DRONES



Radar

We provide UAV Target search , Detect, track and range classifications.



Navigation Spoofing / GPS Simulator

We provide equipment to generate and transmit false satellite navigation signals to decoy the UAV



UAV Radio Detection System

We provide equipment to telemetry access to the UAV and image transmission signals.



Control Station

We provide Fixed station in your command center, Fixed station in outdoor container, Portable station ready to go anywhere [Rigid Laptop] or Vehicles Station [full vehicle customization].



Radio Link Jammer/Signal Hacking/Blocking

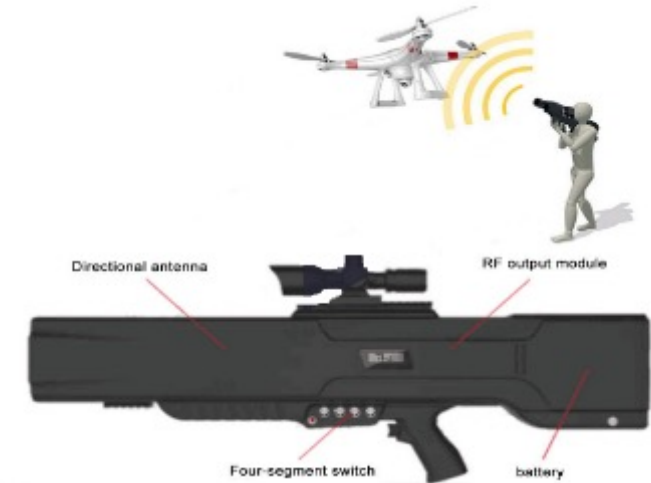
We provide UAV Remote-Control link jamming, UAV Navigation signal jamming, UAV Signal hacking, UAV signal blocking and mobile jammer [Gun].



EO/ IR Camera

[Electro-Optical/Infra-Red] systems to have both visible and infrared sensors for total situational awareness both day and night and in low light conditions

COMBAT ANTI-DRONES VEHICLES



ANTI-DRONES APPLICATIONS



Public Transportation
AIRPORTS



Public Safety
BORDERS



Public/Private Premises
VITAL ASSETS

ANTI-DRONES APPLICATIONS



Ships
MARITIME TRANSPORT



Private Facilities
MILITARY



VIP Factories
INDUSTRIAL

Thank You !