



Innovating aerial Excellence across Industries



OUR MISSION STATEMENT

At Aerosky Technology Ltd, our mission is to design, manufacture, and deliver innovative drone solutions that transform industries and improve lives in Nigeria and beyond.

OUR VISION STATEMENT

Our vision is to be a leading drone manufacturing company in Africa, recognized for our excellence in innovation, quality, and customer satisfaction.

OUR OBJECTIVES

1. DESIGN AND MANUFACTURING:

Design and manufacture high-quality drones that meet international standards and cater to various industries, including agriculture, construction, and security.

2. INNOVATION:

Continuously invest in research and development to improve drone technology, features, and applications.

3. CUSTOMER SATISFACTION:

Provide exceptional customer service, training, and support to ensure customer satisfaction and loyalty.

4. MARKET EXPANSION:

Expand our market reach in Nigeria and beyond, targeting key industries and sectors.

5. PARTNERSHIPS AND COLLABORATIONS:

Foster strategic partnerships with local and international organizations to enhance our technology, expertise, and market reach.

6. REGULATORY COMPLIANCE:

Expand our market reach in Nigeria and beyond, targeting key industries and sectors.

7. CAPACITY BUILDING:

Ensure compliance with relevant regulations and standards, including those related to drone manufacturing, safety, and security.



Welcome to Aerosky Technology Ltd

Revolutionizing Drone Manufacturing in Africa, by Africans, for Africa



At Aerosky Technology Ltd, we're proud to be an indigenous African company, driven by a passion to harness the power of drone technology to transform industries and improve lives across the continent. As a leading drone manufacturing company in Africa, we're committed to designing, manufacturing, and delivering innovative drone solutions that meet the unique needs of our customers.

OUR STORY

Aerosky Technology Ltd was founded by Africans, for Africa, with a strong foundation in research and development. We've assembled a team of experts who share our vision of using drone technology to drive innovation and growth in Africa.

Why Nigeria Needs Drone Technology Now

Nigeria, as the largest economy in Africa, is poised to lead the continent in the revolution of drone technology. With its vast agricultural lands, rapidly growing cities, and diverse industries, Nigeria presents a fertile ground for the adoption and development of drone technology.

Drones can transform various sectors in Nigeria, including:

- **Agriculture:** Precision farming, crop monitoring, and spraying/seeding can improve crop yields and reduce waste.
- **Photography and Media:** Aerial photography and filming can revolutionize the photography and film industries.
- **Security and Surveillance:** Border patrol, crime prevention, and disaster response can be enhanced with drone technology.
- **Infrastructure and Development:** Mapping and surveying, environmental monitoring, and conservation can support sustainable development.

By embracing drone technology, Nigeria can:

- Set a precedent for other African countries to follow.
- Develop a thriving drone industry, creating jobs and generating revenue.
- Improve food security through precision agriculture and crop monitoring.
- Enhance national security through border patrol and crime prevention.
- Support sustainable development through environmental monitoring and conservation.

Why Choose Aerosky Technology Ltd?

Indigenous African Expertise: We're an African company, with a deep understanding of the continent's unique challenges and opportunities.

Innovative Solutions: We design and manufacture drones that meet the unique needs of our customers.

Quality and Reliability: Our drones are built to last, with a focus on quality and reliability.

Exceptional Customer Service: We provide training, support, and maintenance to ensure our customers get the most out of our drones.

WHAT'S INSIDE

In this brochure, you'll learn more about our company, our mission, and our innovative drone solutions. You'll also discover how our drones are transforming industries and improving lives in Nigeria and beyond.

Thank you for considering Aerosky Technology Ltd. We look forward to working with you to harness the power of drone technology and drive growth and development in Africa.

CW-25E Long Endurance Electric Fixed-wing VTOL Drone



OUTSTANDING PERFORMANCE

Vertical takeoff and landing, 4000m max take off attitude, 6000m max flight ceiling, up to 210 min with different payloads.

MODULAR DESIGN

Utilizes quick connection structures and disassembly to 10 parts for transportation in SUV type vehicle.

SUPER ENVIRONMENTAL ADAPTABILITY

Fly in high altitude, high humidity, low temperature, and light rain condition with self-heating airspeed pitot tube.

HIGHER ACCURACY

Integrated high precision MEMS inertial sensors, high-performance CPU, Dual-GPS position system, strong anti-EMI and anti-vibration capability.

HIGH RELIABILITY

Excellent aerodynamic layout, high loading capacity and high flight stability. Lower noise and easy for operation and maintenance.

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PH-20 Heavy Payload Multirotor Drone



LONG ENDURANCE

The upgraded PH-20 has a longer flight time.
70 minutes with gimbal camera,
75 minutes with LiDAR.

HEAVY PAYLOAD

Maximum load 10kg, all
common payloads can be equipped,
such as LIDAR, camera, spectral imager,
aeromagnetic, miniSAR, etc.

MORE CONVENIENT

The arm is pluggable, easy to use
and maintain; unified load electrical
interface, one key installation.

MORE RELIABLE

The whole machine is made of high-performance
carbon fiber composites, lightweight, rigid
and high strength. The rotor system's inward tilt
enhances stability, wind resistance, and interference tolerance

SUPER ENVIRONMENTAL ADAPTABILITY

Equipped with millimeter wave radar
for four-way obstacle avoidance.
After high and low temperature, plateau,
high wind, rain, and another harsh
environmental testing, higher safety.

SMARTER

Multi-sensor redundancy technology,
control distribution reconfiguration technology,
all-digital bus avionics technology,
fully closed-loop health monitoring,
and management technology.

CW-30E Hybrid Gasoline & Battery Long Flight Time UAV



LONG DATA LINK

The max 200km control link greatly increases the CW-30E's flight distance. This gives the CW-30E huge advantages for tasks such as long-range surveillance.

LARGE PAYLOAD

Maximum load 10kg, all common payloads can be equipped, such as LIDAR, camera, spectral imager, aeromagnetic, miniSAR, etc.

LONG ENDURANCE

Up to 8 hours of endurance with 6kg of payload. It can meet the requirements of long-duration, large-area work. This means less work for you and huge cost savings.

MORE RELIABLE

Integrated advanced flight control and navigation system, the CW-30E can realize fully autonomous and all-day flight under complex meteorological conditions.

VTOL MARINE VESSEL

Equipped with millimeter wave radar for four-way obstacle avoidance. After high and low temperature, plateau, high wind, rain, and another harsh environmental testing, higher safety.

AVIATION GRADE RELIABILITY

The drone can automatic recovery from the fault and balance the abnormal actuation unit. It can also automatic return and land in the emergency situation.



AEROSKY Industry Applications

AERIAL MAPPING & SURVEYING

AEROSKY DRONE delivers high-precision aerial mapping and surveying, creating accurate 2D maps, 3D models, and topographic surveys for industries like construction and agriculture. With advanced GPS and imaging technology, it ensures fast, cost-effective, and reliable data collection, covering large areas with precision.

SECURITY & SURVEILLANCE



AEROSKY DRONE enhances security and surveillance with real-time aerial monitoring, offering high-resolution imaging, night vision, and automated patrolling. Ideal for law enforcement, perimeter security, and crowd management, it provides faster response times, wider coverage, and enhanced situational awareness to ensure safety and efficiency.



AEROSKY Industry Applications

MINING & AGGREGATES

AEROSKY DRONE optimizes mining and aggregates operations with precise aerial mapping, stockpile measurement, and site monitoring. It enhances safety, improves efficiency, and provides accurate volumetric data, reducing manual surveys and operational costs. With real-time insights, it streamlines decision-making for better resource management.




AEROSKY Industry Applications

POWER LINE INSPECTION

AEROSKY DRONE revolutionizes power line inspection with high-resolution imaging, thermal sensors, and automated flight paths. It enhances safety, efficiency, and accuracy, reducing the need for manual inspections in hazardous areas. By providing real-time data, helps detect faults, prevent outages, and ensure reliable power distribution.

AEROSKY Industry Applications **EMERGENCY RESPONSE**



AEROSKY DRONE provides rapid aerial assessment for disaster response, search and rescue, and firefighting. With real-time imaging, thermal sensors, and automated deployment, it enhances situational awareness, speeds up response times, and improves decision-making in critical situations—helping to save lives and minimize damage.

UNLOCKING UNTAPPED POTENTIAL IN NIGERIA

While drone technology has advanced rapidly around the globe, its adoption in Nigeria remains in its early stages. This untapped potential offers a unique opportunity to transform various industries. Drones can revolutionize agriculture with precision farming, enhance public safety through efficient surveillance and rapid emergency response, and improve infrastructure monitoring and environmental management.

With AEROSKY TECHNOLOGY LIMITED at the forefront, Nigeria is poised to harness these transformative benefits. By introducing advanced UAV solutions, we empower businesses, government agencies, and communities to access cost-effective, data-driven insights that drive sustainable growth and innovation. Our leadership in UAV technology not only positions Nigeria as a regional pioneer but also paves the way for a more connected and resilient future

Innovative Solutions in Action: Proven UAV Applications

Case Study 1: Enhancing Marine Conservation with VTOL Drone Surveillance

Overview

In regions with extensive marine fisheries, protecting aquatic resources during critical fishing bans is essential. Our CW-25E VTOL drone delivers unparalleled surveillance capabilities, enabling authorities to monitor vast ocean areas with precision and speed.





Challenge

Monitoring expansive maritime zones with traditional methods—such as limited patrol vessels and aircraft—has proven costly and inefficient. These conventional approaches often leave large portions of the coastline unmonitored, allowing illegal fishing activities to go undetected.

The AEROSKY Solution

Our CW-25E VTOL drone is engineered for maritime surveillance:

- **High-Endurance and Speed:** With a maximum speed of 72 km/h and up to 4 hours of endurance per flight, the drone can cover up to 700 kilometers over a 12-hour operational period.
- **Extended Range:** A control and video transmission range of 35–100 km ensures comprehensive monitoring of remote coastal areas.
- **Advanced Imaging and AI Integration:** Equipped with a state-of-the-art MG-150E gimbal camera, the drone captures high-resolution images in both visible and thermal spectrums. Its AI-powered analysis automatically identifies and tracks suspicious vessel activities, while real-time live streaming enables immediate decision making.

Impact

Local maritime authorities have reported that the deployment of the CW-25E has significantly enhanced their ability to detect and investigate illegal fishing activities. By rapidly scanning large ocean areas and providing clear, actionable intelligence, our UAV solution streamlines enforcement efforts and optimizes resource allocation for marine conservation.

Case Study 2: Revolutionizing Coal Mine Mapping in Indonesia

Overview

Efficient mapping is critical for optimizing mining operations, particularly in rugged terrains.

Our CW-007 VTOL drone, equipped with a high-resolution CA-103 61MP RGB camera, has transformed the way coal mines are surveyed.





Challenge

PT Bukit Makmur Mandiri Utama (PT BUMA), a leading mining contractor in Indonesia, faced the challenge of accurately mapping vast mining pits using conventional methods, which were both time-consuming and labor-intensive. Traditional UAVs struggled to cover extensive areas with the necessary resolution and speed.

The AEROSKY Solution

Our CW-007 VTOL drone offers a breakthrough in mining mapping:

- **Efficient Area Coverage:** In just 90 minutes and over two flights, the drone mapped an area of 13.7 km² at an altitude of 630 meters.
- **High-Resolution Imaging:** Achieving a ground resolution of 6.45 cm/pixel, the drone provided detailed imagery that supports precise topographical assessments.
- **Optimized Flight Performance:** With an average cruising speed of 20–21 m/s and a tailored flight plan, the system efficiently gathers comprehensive data critical for operational planning.

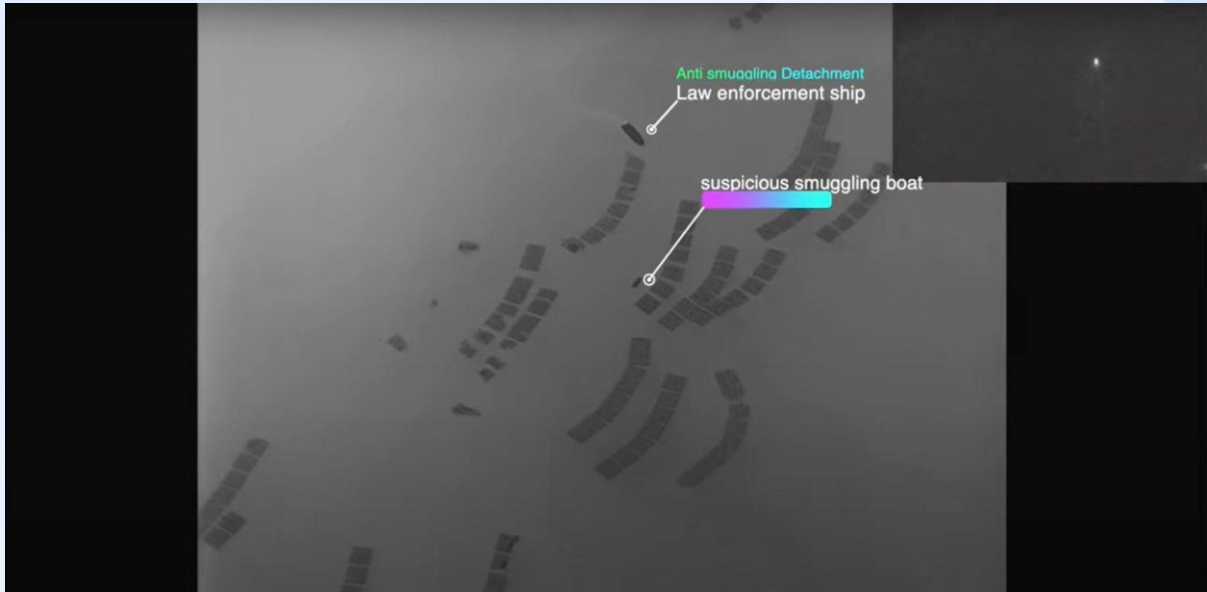
Impact

The introduction of the CW-007 has dramatically reduced mapping time while enhancing data accuracy. PT BUMA's engineering team now benefits from reliable, high-resolution mapping data that drives improved operational decisions, ultimately boosting productivity and reducing downtime.

Case Study 3: Strengthening Maritime Security with VTOL Drone Technology

Overview

In the realm of coastal security, rapid and effective surveillance is key to combating smuggling and other illicit activities. Our CW-25DE VTOL drone offers a cost-effective, agile solution that significantly enhances maritime law enforcement capabilities.



Challenge

Traditional surveillance methods—relying on fixed cameras or expensive helicopter patrols—often fall short when monitoring vast and dynamic port areas and coastal regions.

These limitations make it difficult for law enforcement agencies to detect and respond to criminal activities in a timely manner.

The AEROSKY Solution

Our CW-25DE VTOL drone is designed for demanding maritime operations:

- **Wide-Area Surveillance:** With a control range of up to 100 km, the drone efficiently covers large coastal areas, ensuring no zone is left unchecked.
- **Superior Imaging Capabilities:** Integrated with the MG-150E gimbal camera, the drone captures both thermal and high-zoom visible imagery, providing clear visuals in various lighting conditions.
- **Real-Time Intelligence:** During operational sorties lasting four hours (with multiple flights), the drone delivers live video feeds to command centers, enabling rapid identification and intervention.
- **Cost-Effective and Agile:** Offering a lower-cost alternative to helicopters, our UAV's ease of launch and low maintenance ensure continuous, reliable operations even in challenging weather conditions.

Impact

Law enforcement agencies have experienced a marked improvement in their operational efficiency with the CW-25DE. Its real-time data transmission and high-definition imaging have enabled quicker response times and more effective interdiction of smuggling activities, reinforcing maritime security and reducing reliance on traditional, resource-intensive methods.

Scaling New Heights: Our Blueprint for Advanced UAV Assembly and Production

At AEROSKY TECHNOLOGY LIMITED, we are elevating our UAV operations by leveraging advanced technology transfer from our esteemed technical partner, JOUAV. This initiative is central to our strategy to independently produce, assemble, and support our VTOL drones with world-class efficiency. Our comprehensive Drone Production Line is built on three core pillars:

1 Assembly Line Transfer

Objective: Establish a parts-based assembly capability. Under the guidance of our technical partner, we are establishing an assembly facility designed to:

- Design and Layout:** Create an optimal assembly factory layout.
- Workforce Development:** Plan staffing and train production line operators.
- Infrastructure:** Equip the facility with a complete set of production equipment, documentation, and materials.
- Testing & Quality:** Implement robust assembly and testing processes using supplied components.

2 Production Line Transfer: **Objective:** Build raw material-based UAV production capacity.

We are developing a full-scale production line that encompasses:

- **Factory Design:** Customized production facility design and layout.
- **Personnel Structure:** Strategic workforce planning and design.
- **Manufacturing:** Production of drone components, complete assembly, and rigorous testing based on provided designs.
- **Standard Services:** A full set of production documents and materials, along with operator training for composites, CNC, and final assembly.

3 Knowledge Transfer

Objective: Establish an independent VTOL UAV design capability. Our knowledge transfer program ensures that we develop internal R&D expertise by:

- **Technical Documentation:** Receiving comprehensive documentation for drone design, avionics system design, flight control software, and ground command & control system design.
- **Specialized Training:** Equipping our technical personnel with in-depth training across all aspects of UAV design and production.
- **R&d Structure:** Building a dedicated team capable of independently innovating and refining our VTOL drone technologies.

Additional Support Services

To further accelerate our growth and operational readiness, our technical partner provides additional support services designed to assist in the establishment and operation of our UAV production ecosystem:

- **UAV Training Center:**
 - Construction of a comprehensive training system, including course materials, examination systems, and practical flight simulations.
 - Establishment of certification and operational training capabilities for pilots and technicians.
- **Customer Service Center:**
 - Development of an advanced after-sales service system covering product demonstrations, maintenance, troubleshooting, and technical support.
 - Implementation of standardized processes for repair, return, and exchange, ensuring a robust support network for our customers.

Our Commitment

We are dedicated to ensuring that every customer benefits from timely and professional training and technical support. Our technology transfer initiative is a key component of our strategy to build a fully integrated, world-class UAV production and service ecosystem—driving intelligent autonomy and shaping the future of aerial technology.

By combining cutting-edge technology with local innovation, AEROSKY is poised to lead the industry in UAV production and support, paving the way for sustainable growth and operational excellence.

Services & Proposed Offerings

As we prepare for launch, AEROSKY TECHNOLOGY LIMITED will offer a comprehensive suite of services designed to support our customers and maximize the impact of our advanced UAV solutions:

- **Drone Sales and Customization:**

We will provide a range of high-performance UAVs tailored to meet the diverse needs of various industries—including security, surveillance, agricultural monitoring, videography, and many more. Our product offerings will be customizable to fit specific operational requirements, ensuring that each client receives the optimal solution for their challenges.

- **After-Sales Support and Maintenance:**
Our commitment to customer success continues long after a sale is made. We will offer robust after-sales services including regular maintenance, prompt repair services, and timely product updates. Our dedicated support team will ensure that our drones remain reliable and efficient throughout their operational life.
- **UAV Pilot and Technician Training:**
To empower our customers with the skills needed to maximize the potential of our UAV systems, we will establish a comprehensive training program. This will include practical flight simulations, certification courses, and ongoing technical training to ensure that pilots and technicians are well-equipped to operate our drones safely and effectively.
- **Consultation and Integration Services:**
Leveraging our industry expertise, we will provide tailored consultation services to help customers integrate our UAV systems seamlessly into their existing operations.

This includes assistance with payload customization, flight planning, IT integration, and data analytics—ensuring a smooth transition to advanced drone operations.

Through these services, AEROSKY TECHNOLOGY LIMITED aims to deliver a complete, end-to-end UAV solution that not only meets but exceeds customer expectations, setting a new benchmark in the industry.

Thank you for considering Aerosky Technology Ltd. We look forward to working with you to harness the power of drone technology and drive growth and development in Africa.



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