ALTUS
Land Sea Air

Drone Hangar
Solution

ALTUS Drone Hangar is a specialized facility designed to house, maintain, and operate drones autonomously. It is designed to streamline drone operations, making them more efficient and less dependent on human intervention.

Main Characteristics

- High resistance to rain, dust and corrosion from a marine environment Ip67
- Integrated air conditioning system to maintain stable environmental conditions within the hangar
- Built-in weather station to identify local weather conditions
- Internal camera for the visual observation of the drone during its storage

Use Cases
(Combined with ALTUS Drones)

- Real Time Security Patrol & Reconnaissance
- Support for Crisis Management
- Enhanced Cargo Detection
- Maritime Equipment Inspections

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ALTUS Drone Hangar Solution

Core Functionalities

Autonomous Operation:
The drone can take off, land, and return to the box autonomously, minimizing the need for human intervention.
Charging and Maintenance:
The docking station includes charging capabilities, ensuring the drone is always powered and ready for deployment.
Data Collection and Delivery:
Drones gather various types of data, such as aerial imagery, environmental monitoring, or delivery of goods.
Remote Monitoring and Control:
Operators can manage the drone remotely, adjusting its flight path or tasks as needed through a software interface.
Safety and Security:
The box provides protection for the drone from environmental factors and theft.

Technical Specifications

Deployment Time: 40 Seconds
Station Dimensions: (LxHxD) & Weight 2.78m X 1.42m X 1.96m | 450kg
Drone-to-station Integration Kit: Autonomous Precision Landing, Centering & Charging
Station-to-drone Communications: Remote Control (Radio Frequency) + GSM, LAN
Weather Station Comms: RJ45 Ethernet Local Area Network
VMS-to-Station Communications: RTMP Streaming Via 4G/5G
Live Video Streaming: 1080p/720p/480p Resolution
Built-in Weather Sensors: Rainfall, Wind Speed And Direction, Luminescence Sensor
Electrical Grid: 110 To 230 VAC
Automatic Charging Current: 10A
Security Layers: AES 256 Payload To GCS, Firewall, SSL
Environmental Conditions: IP67