



SCALABITOLEO, LDA

**Fire Safety and Emergency Public
and Private Security and Safety.**

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SCALABITOLEO, LDA

EMERGENCY MANAGEMENT

The unmanned aircraft (UAV) has developed and manufactured SCALABITOLEO can be a determining and effective agent in the fire monitoring (before, during and after them), as they can perform the flights both in daytime and at night. In addition, the flights of the UAV in our fleet can be used to assess the potential damage that may have occurred in desastresnaturales (earthquakes, floods, volcanic eruptions, etc.), and can be useful in locating people in complex environments and difficult access. Thanks to its capacity, can also be used as a method of delivering small objects in places where they are not accessible.

In addition, the flights of the UAV in our fleet can be used to assess the potential damage that may have occurred in natural disasters (earthquakes, floods, volcanic eruptions, etc.), and can be useful in the location of people in complex environments and difficult access. Thanks to its capacity, can also be used as a method of delivering small objects in places where they are not accessible.

COMMERCIAL APPLICATIONS:

- Monitoring of fire (before, during and after) both day and night.
- Assessment of damage in natural disasters (earthquakes, floods, volcanic eruptions)
- Location of people in complex and difficult to access environments.
- Delivery of small items in areas of difficult access.

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SCALABITOLEO, LDA

DEFENSE AND SECURITY



The UAVs of SCALABITOLEO are able to recognize chemicals in the soil during their journeys, and are a useful tool in the control of borders and critical infrastructure.

Furthermore, its use as a traffic control system is increasingly widespread as it is capable of real-time information of the tracks placed on the flight path.

SCALABITOLEO UAVs are also designed to provide support to state institutions in combating illegal activities (drug trafficking, illegal immigration, illegal fishing ..). They can also participate in humanitarian or command and control, intelligence, and reconnaissance missions WATCH.

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Furthermore, its use as a traffic control system is increasingly widespread as it is capable of real-time information of the tracks placed on the flight path.

COMMERCIAL APPLICATIONS:

- Support to state institutions in combating illegal activities (drug trafficking, illegal immigration, illegal fishing ..)
- Support for humanitarian missions
- Recognition of chemicals
- Support missions of command and control, intelligence, and reconnaissance WATCH.
- Control of borders and critical infrastructures
- Traffic control

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SCALABITOLEO, LDA

MONITORING AND INSPECTION OF INFRASTRUCTURE

The unmanned aircraft (UAV) which develops and manufactures SCALABITOLEO are ideal tools to conduct surveillance and inspection of infrastructure, such as lines of high and medium voltage, oil and gas pipelines, cerreteras, railways, and civil works. Similarly, you can participate in studies of energy efficiency in telecommunications, as well as surveying linear infrastructure, wealth management and asset inventory.

COMMERCIAL APPLICATIONS:

- Lines of high and medium voltage
- Pipelines
- Pipelines
- Roads
- Railways
- Civil works
- Efficiency EnergéticasTelecomunicaciones
- Estudios topográficos linear infrastructure

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SCALABITOLEO, LDA

UNMANNED AERIAL VEHICLE

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SCALABITOLEO, LDA



FILM AND VIDEO SERVICES



We offer consulting services and development of complete systems for streaming audio / video for customers who want to broadcast or start events broadcast channels through the Internet. We have professional servers and the need to provide all services related to professional broadcast audio and video systems by qualified personnel.

The diversity of movements and rotations of the drones, the functionality and stability of the gimbals, plus the extended range of trajectories that offer these systems I can capture unusual, attractive and high quality images that create impact and capture the attention of consumers, because to the limited inclusion of this type of air audiovisual promotional videos and all kinds of events.

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- Documentary
- Environmental Studies
- Television Productions
- Forensic Reconstructions
- Exploration, as a result of natural disasters
- Inspections of roofs, towers, bridges, viaducts

- Corporate Videos
- Sporting Events
- Concerts
- Fashion shows



SCALABITOLEO, LDA



AERIAL DRONES FOR STABILIZED RECORDINGS



We offer a range of drones for aerial footage stabilized and unmanned drones for aerial shots. All drones are equipped with stabilizers (Gimbals) in three axes for smooth shots, and vibration.

Drones can be equipped with all the (GoPro, Canon 5D, Sony Z7) for stabilized aerial camera recordings, and has a monitor for ground control.

Thanks to the active stabilization systems for stabilized aerial drones recordings, allowing the camera to fluid dynamic movements, better than those obtained with the crane and dolly.

The drones are operated by sensors and GPS to ensure the continued stability during flight may also be performed via remote control, flight beyond the field of view of the pilot.

Configuring the route on a map the drone will move to the desired height by the pre-determined path.



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SCALABITOLEO, LDA



PHASES OF A PROJECT OF SHOOTING

Analysis

Our specialists will meet with you to map out the strategy for carrying out your story.



Preparation

We will implement the strategy initially studied, preparing locations, flight permits, etc ...



Shooting

Recording the story starts as you control the whole process from the ground through our monitors. Currently we conducted two technical recordings, one manager and one flight controls the recording chamber, both with their respective monitors where you can view the entire process.



Production

Our specialists perform post-production shots to deliver a single and unique story.



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SOME CASES OF APPLICATION

Industrial Videos

Movie Production
Industrial

3D Video

Corporate Videos

Production of industrial
videos

Stereoscopic Videos

Video for business

Video Production for
Business

Forensic
Reconstructions

Movies Land

Production of corporate
videos

3D Video Production

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SCALABITOLEO, LDA

DRONES FOR AGRICULTURE, LIVESTOCK AND FISHERIES

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USE OF DRONES IN AGRICULTURE

One of the applications with the most potential, in addition to public safety is precision agriculture and monitoring fields. Precision agriculture, in short, is the use of new technologies for a detailed study of the plot, so that each treatment can be applied in a localized manner.

Specific applications in Agriculture:

- Controls crops, agricultural extensions and control farms.
- Early detection of diseases and pests in crops.
- Indices on crop quality (eg. Vid)
- Generation of inventories of cultivated
- Supervision of sprayed areas.
- Detection of water stress (non-irrigated) crops betting on efficient water management.
- Detection of nutritional stress in crops (optimal use of fertilizers only in areas where their application is necessary).



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PRECISION AGRICULTURE

Some History: Precision agriculture began to be studied in the eighties, but it was from the new century technological development and access to all the cheap technology have allowed its final takeoff.

Our unmanned aerial vehicles (UAV) can be used in monitoring crops and in what is called 'precision agriculture', which works to optimize plantation management and better assess the optimal seeding plus make decisions about the use of fertilizers, irrigation frequency and other possibilities such as more accurately predict crop yields.

The UAV can perform flights scheduled to carry out controls in culture (an intended use, for example, to control agricultural farms), or detecting water stress (lack of irrigation) in plantations betting on the efficient use of water.

Also, UAVs are also able to detect nutritional stress in crops (optimal use of fertilizers only in areas where their application is necessary) and make an early detection of diseases and pests in them. UAVs are also able to make a single pass slash plant to determine the main quality indices of a culture as well as to generate and monitor inventory sprayed areas, among other applications.



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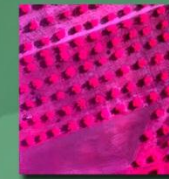
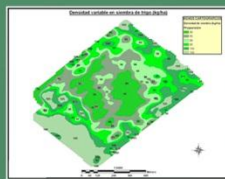
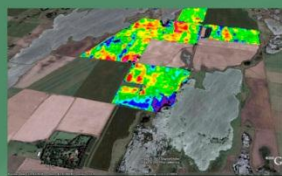
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PRECISION AGRICULTURE

The benefits of precision agriculture triples, reducing costs, improving profitability of crops and reduces the environmental impact, since the application of agrochemicals is directed and adapted to the real requirements of the crop.

Examples of countries that have been using drones in agriculture has long are Japan and Brazil. In the case of Japan, Yamaha in 1991, he released a self unmanned helicopter designed for spraying herbicides and fertilizers.

Today, they are known under the trade name RMAX and are Task alkylated fumigation. Brazil is among the few countries that have regulations governing the use of drones and are often used in soybean fields.



Therefore, the advantages of drones in agriculture is giving farmers an information service on water status, level of development and health of crops, obtained in near real time, to make health treatment, irrigation or fertilizer run to areas where the need is detected at the right time to apply.

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SCALABITOLEO, LDA

LIVESTOCK, HUNTING AND FISHING

LIVESTOCK

Control of cattle ranching: using aerial HD video and aerial thermography locating and counting cattle is provided, being able to monitor large areas in a short time.

Help grazing: Regarding livestock, DRON can fly a hacienda and count the number of head of cattle. Also if cattle have implemented DRON one the chip can read all about these chips provide using RFID technology. Chips are small devices that can be implanted in animals, contain antennas to enable you to receive and respond to requests by radio into a transmitter / receiver located in the DRON.

FISHING

The drones (unmanned aerial vehicles) may be used to control or wildlife research, finding fish stocks, as well as firefighting and rescue at sea.



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SCALABITOLEO, LDA

LIVESTOCK, HUNTING AND FISHING

HUNTING

It is a technology that will give much to talk about in the next few years as they are cooking the perfect ingredients: batteries increasingly longer duration, minicomputers more powerful Arduino and Raspberry Pi rate at a very affordable cost, mass production, lightweight materials as graphene-based autopilots IMU's for everyone. "

The company Airwave without going further in Kenya are using drones to help protect a species of endangered rhinos. These aircraft incorporate an infrared camera that sends streaming video to alert the authorities against poachers.

There are still a lot of work to do, however, say they are very excited and very proud to be pioneers in using drones to preserve some of the most endangered species on earth.

"Given the substantial cost of conventional ships, this technology may also apply to conduct wildlife surveys more frequently thus providing more reliable data for the management of animal populations", explains on their official website .

The ultimate goal of these robots is not much police are able to detain suspects but rather to detect threats and report to another body defense and security takes charge of other work. One way to avoid problems early.



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