

dts

Drone Technology Solutions
Inspecciones Técnicas Aéreas



DTS

SERVICE CHARTER

ABOUT US

DTS Drones is an Aeronautical Operator of professional RPAS (drones), authorized by the State Agency for Aviation Safety (AESA) that offers all kinds of services.

Formed by an integral multidisciplinary team in the field of aerial inspections with unmanned aircraft, we seek to solve the demand of our clients with the highest quality and speed, adapting to their needs.

We are skilled in carrying out Infrastructure Technical Inspection Operations, both at the Maintenance and Work Control level.

We have Aircraft enabled to perform indoor and outdoor flights, increasing work efficiency and productivity, decreasing workload and production costs, improving accuracy, refining service and customer relations, and resolving security issues.

We work every day to achieve the highest level of quality by rigorously accomplishing procedures and betting on training in a process of continuous improvement.

Creativity, dynamism and versatility help us to face new challenges and generate opportunities for your Company.

OUR SERVICES

INDUSTRIAL

With our drones and associated technologies, we find solutions that facilitate surveillance, control and industrial maintenance with safety, effectiveness, efficiency, lower costs and sustainability, addressing all types of facilities.

- ✓ Gas pipe inspections.
- ✓ Oil inspections.
- ✓ Inspections of solar and electrical installations.
- ✓ Power lines / cable inspections.
- ✓ Inspections of cooling towers.
- ✓ Inspection of wind turbines.
- ✓ Inspection of bridges.

TOPOGRAPHY AND CARTOGRAPHY

The appearance of UAVs is leading to a transformation in the world of topography, as they improve quality and efficiency compared to traditional surveying methods.

The applications of these products cover multiple disciplines, from agronomic and forestry analysis, monitoring of civil works, buildings under construction, to carry out volumetric measurements and calculations of material volumes in quarries and other facilities, to carry out precision mapping, surface checking and cadastral data, extraction of coordinates and so on so forth.

- ✓ Digital terrain models.
- ✓ LIDAR System
- ✓ Orthomosaics.
- ✓ Preparation of precision 2D or 3D orthophotography.
- ✓ Mines and quarries.
- ✓ Assistance for construction supervision.
- ✓ Infrastructures; linear works.
- ✓ Analysis of the Environmental Impact of Works or Operations.
- ✓ Heritage and Archeology.

PRECISION AGRICULTURE

The objective of precision agriculture is to achieve the maximum possible production by optimizing the amount of resources, so that the necessary treatments are applied only in localized areas that require it. This entails a reduction in production costs and a more environmentally friendly agricultural management, preventing the deterioration of the fields due to the depletion of fertility or available water, and avoiding the contamination of soil and aquifers.

And what about drones?

Drones are used in precision agriculture to acquire a wide variety of image-based data:

- ✓ Height of the plant.
- ✓ Counting the plants.
- ✓ Plant health.
- ✓ Presence of nutrients.
- ✓ Presence of diseases.
- ✓ Presence of weeds.
- ✓ 3D modeling / volumetric data.

And what types of jobs can you improve?

The data provided by the drones and the different built-in sensors are used to perform agricultural work more effectively and efficiently, including:

- ✓ Crop surveillance.
- ✓ Crop health monitoring; best rate of return on investment made.
- ✓ Nitrogen recommendation.
- ✓ Harvest monitoring, selective planning.
- ✓ Plant stress monitoring.
- ✓ Water análisis.
- ✓ Tree classification.
- ✓ Creation of intervention maps.

TRAINING

Training is basic in working with unmanned aircraft, in addition to the theoretical part, our students carry out flight practices with drone models corresponding to each subject. We have an online platform for the theoretical part, where the student has all the syllabus and personalized tutorials. The flights are carried out in different areas depending on the content of the course in order to carry out work in a real context.

- ✓ Drone pilot course.
- ✓ Industrial inspection course.
- ✓ Photogrammetry course.
- ✓ Precision agriculture course.
- ✓ Fumigation course.
- ✓ XAG drone specific course.

AERIAL PHOTOGRAPHY AND VIDEOS

Drones allow obtaining images and videos from unimaginable points of view, from the open field to indoors, in places inaccessible to other types of aircraft, with higher image quality, greater safety and at reduced costs.

- ✓ Corporative videos.
- ✓ Promotional videos.
- ✓ Panoramic view.



COMPREHENSIVE COUNSELING SERVICES

Our company offers technical support service, sale and drone maintenance in order to provide our customers with any kind of assistance to optimise the use of their aircrafts. We work with brands of multirotor and fixed wing drones. We are aware of the latest developments in the industry.

THANK YOU FOR YOUR ATTENTION

