Contacto: info@applus.com

Photogrammetry / Aerial Mapping Services

Aerial-mapping, photogrammetry and other UAV (drone) services can be used to deliver various forms of data output including: DTM models, 3D models / as builts, contour surveys, thermal-imaging surveys, LIDAR surveys, environmental monitoring, stockpile surveys, pipeline surveys, railway track surveys, powerline easement surveys, waste-water treatment plant surveys.

NUESTRA SOLUCIÓN

With some of the most experienced and skilled UAV operators in the world, Applus+ has achieved things that were previously deemed unrealistic or even impossible. We pride ourselves on being able to complete highly complex surveillance tasks and overcome unusual technical challenges by drawing on the skills of some of the field's foremost experts, our professional-grade equipment and our specialist innovation centre.

Applus+ is well equipped to provide professional-grade aerial surveys and photogrammetry services using state-of-the-art UAVs and camera technology. We use micro-drone multi-rotor UAV systems that allow us to choose the precise direction in which, and height and speed at which, we fly, thereby offering a more controlled and accurate aerial survey. This is particularly important when performing intricate and narrow surveys such as railway and pipeline projects, which require very precise flight lines and controlled parameters.

The micro-drone UAV system offers a number of other key benefits over fixed-wing UAVs:

- This type of multi-rotor UAV aircraft does not require large amounts of clear area for take-off and landing and is also much more resiliant to bad weather
- Loaded with a full-frame, professional, colour camera, the micro-drone can fly for over 30 minutes at a lower altitude with much less image overlap and therefore

more efficient reporting – resulting in a faster, more precise and more efficient survey

We offer conventional photogrammetry, hyperspectral cameras and multispectral cameras as well as laser-scanning services such as LIDAR. We even provide in-house 3D printing and CAD design services if customers wish to use a custom sensor or camera. In addition, we can offer centimetre-resolution models (even sub-millimetre if required) with the data processed in-house.

Applus+ is also able to provide a cost-effective way of producing frequent and highly repeatable surveys of the same area to produce an ongoing dataset for customers who have an ongoing-survey requirement.

Our UAV systems can be easily transported anywhere in the world and operate on site with minimal impact and no plant downtime.

Clientes

These specialist techniques can be put to use in a wide variety of contexts in a range of industries.