



SkyVision

Aiming higher.

Using aerial imagery to protect your assets

Much of our day to day fixed wing oblique photography is taken by our air surveillance team, SkyVision. With 60 years' experience in patrol flying in the United States and approaching twenty years in the UK. SkyVision was set up in Texas in the 1950s to patrol pipeline right-of-ways, is now active across the world.

In aerial surveillance, observers are the single most important success factor, followed by relevant data capture and effective reporting. Our years of aerial patrols have shown us just how quickly new developments appear, often without prior notice. It is therefore becoming more critical to have a complete understanding of the existing threats to your pipeline's integrity. Capturing high-resolution, oblique aerial photography along pipeline routes has helped our clients ensure that all Building Proximity Distance (BPD), Land Use Planning (LUP) and Inner Zone Infringements are identified, photographed and mapped. We then report against existing BPD and aerial survey reports to categorize the 'known' infringements, the 'known-but-changed' and the 'New' infringements.

That is why we rate our surveillance personnel as one of our most valuable business assets. Spending hours in the air and being able to concentrate on minute detail on the ground is something that very few can do and even fewer do well. Our team of 'observers' are picked for their attitude, aptitude and background experience.

The observers train scrupulously for a range of jobs from pipeline inspection to environmental monitoring, from airport landing, light surveys to aerial-traffic patrols.

Knowing what to report is one thing; how to do it, quite another. SkyVision develops a bespoke reporting method to suit each client. Orbital knows that delivery of succinct informative data in near real time is essential for many surveillance applications.



Overlapping photography is integrated into Visivi, which facilitates an online fly-through of the pipeline asset with sightings overlaid onto the imagery and mapping. Visivi is a fantastic pipeline management tool and provides a superb overview of assets.

The result is an exhaustive database of all buildings and activities surrounding the pipeline, which are easily accessible, hosted on our secure server, and linked to the applications.

The generation of the database within Visivi allows further analysis to be undertaken, all from the oblique aerial photography, such as the incorporation of:

- As-built data
- PIG data
- Land use planning data
- Land owner records
- Environmental issues
- Third-party notifications
- Population density studies
- Infringement proximity calculations
- Year on year comparisons
- Counter compensation claims

Visivi AIS provides a superb database of an entire network against which future patrol reports can be cross-referenced giving the user a before/after picture of any incident. Mapping societal risks and occupied buildings, managing pipeline data in one user friendly tool, optimises resource management and cost efficiency whilst prioritising high risk areas and developing mitigation strategies.