

ABOUT US



Shetland Flyer Aerial Media are UK CAA approved commercial UAS operators with Permission for Commercial Operations in congested areas. We hold £10M public liability insurance and our experienced pilots are professional photographers, videographers and surveyors who hold international SUAS pilot certification.



SHETLAND FLYER AERIAL MEDIA

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SHETLAND FLYER AERIAL MEDIA



**Aerial Inspection
and Survey Services:
Buildings, Roofs,
Land & Marine
Infrastructure**

Our fleet of advanced small unmanned aircraft systems are equipped with 3-axis fully stabilised gimbals carrying professional digital cameras and sensors. Our radiometric thermal sensor can provide high resolution blended thermal imaging to visualise damage and heat loss.

Our RGB aerial cameras provide a minimum of 20MP photos and 4K video, with our Inspire 2 system offering prime lenses from ultra-wide 15mm to 90mm telephoto.

Rigorous risk management, maintenance and safety controls are in place to ensure all our operations are carried out efficiently and safely.



INSPECTION AND SURVEY SERVICES

We offer a range of specialist services for aerial inspection and survey of buildings, roofs, land, marine assets and critical infrastructure. Services include mapping and 3D modelling, detailed roof and building surveys, construction site monitoring, and asset inspection including thermal imaging for insulation and heat loss. We supply detailed reports of all our survey and inspection tasks.



Advanced unmanned aircraft technology with high quality sensors operated by experienced pilots

Shetland Flyer Aerial Media offer a wide range of media, survey and inspection services for buildings, roofs, land and marine assets using our fleet of advanced small unmanned aircraft systems (SUAS) and elevated pole cameras. Our specialist survey drone uses RTK or PPK positioning providing centimetre level accuracy even over extensive sites. All survey and inspection products are processed in-house using purpose built workstations, so your data is always safe and secure.

4K video, 20MP+ photos and thermal imaging are ideal for survey and inspection of your assets with minimal downtime. Drone survey and inspections are not only faster than traditional methods but also much safer, avoiding the cost of scaffolding and risk of your personnel working at heights.

MAPPING AND 3D MODELLING

We provide highly accurate orthomosaic maps and 3D models using our specialised RTK / PPK SUA, ideal for planning applications, building and roof inspections, insurance claims for storm and fire damage, construction and environmental monitoring. Georeferenced orthos, DSMs and 3D models can be imported into CAD and GIS applications for further analysis and processing.



Accurate 3D models of entire buildings and sites



Full digitised linework and drafting service

ROOF AND INFRASTRUCTURE SURVEYS

Using high resolution aerial video and photographs we can provide detailed surveys of roofs, masts, chimney stacks and other high infrastructure avoiding the expense of scaffolding and risks of personnel working at heights. A full report of methodology and conditions is provided with all our survey data, and each image is referenced to an overview image to easily locate specific problem areas.



High resolution surveys of live infrastructure



Difficult to access roof surveys even in congested areas

INSPECTION AND THERMAL IMAGING

Our Anafi survey drone is fitted with a Sony 4K RGB camera and FLIR radiometric thermal sensor on a single 3-axis stabilised gimbal. The gimbal can tilt a full 180° allowing inspection of structures from below. The sensors can provide blended RGB/thermal images with a thermal resolution of -10°C to +400°C. This compact SUA can operate safely in gusty winds over 30mph.



4K Video, 20MP RGB images and a high resolution thermal sensor with our Anafi thermal SUA system

