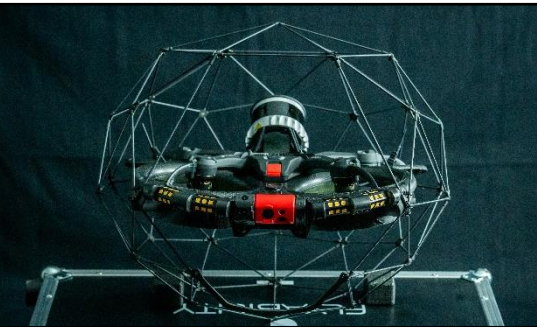
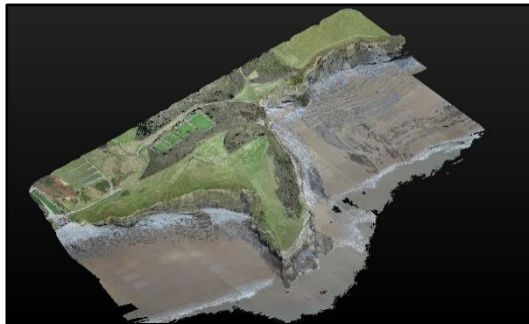




RUAS

RUAS Training Academy Course Prospectus





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Who we are

RUAS are one of the UK's leading drone service and training provider's, RUAS have two strands to the business, **RUAS Training Academy**, providing all levels of training to companies and individuals throughout the UK and worldwide, and **RUAS Commercial Operations**, providing aerial solutions within several sectors since 2012.

Combining the expertise of both departments has resulted in RUAS benefiting from a deep understanding of airspace and navigation, using the skills and experience gained in the commercial sector to provide Remote Pilot Training and Commercial Flying Operations across multiple industries.

RUAS have a full range of UAS that are equipped with the latest technology, utilising these assets to produce exceptional media solutions across many industries including; rail, construction, creative media, surveying, and many more, providing everything from live flare inspections to LiDAR and 3D models.



RUAS Training Academy are an industry leading supplier of drone training and an accredited Recognised Assessment Entity (RAE) as issued by the UK Civil Aviation Authority (CAA).

The RUAS team comprises of experienced instructors, all of which have a military background of flying and delivering training within the UAS sector. We have been delivering drone training for over nine years and are the longest standing NQE, having trained over 4,000 Remote Pilots in gaining their Certificate of Pilot Competency.



RUAS Training Academy utilise their vast experience to provide the best possible training to suit all, from the very basic A2 Certificate of Competency to the more advanced General VLOS Certificate. We are also able to assist organisations in creating Bespoke Training tailored to the specific individual business needs. RUAS offer a full service assisting right through to the CAA application and beyond and also offer an Aerial Data Processing Course to assist you with your post flight data processing.

A2 Certificate of Competency (A2 CofC) (£79 inc. VAT)

Online Theory Training

Level

Beginner

Location

N/A

Course Overview

The A2 CofC course is for anyone wishing to fly a drone in the A2 Subcategory of the Open Category.

This will allow the holder of the A2 CofC to fly any drone with a Maximum Take-Off Mass (MTOM) of less than 2kg. You must keep a minimum of 50m away from any uninvolved persons and can fly at a maximum height of 400ft (120m). You are not permitted to directly overfly anyone and must always maintain Unaided Visual Line of Sight with your aircraft. These restrictions are based on the Transitional Period (which has now been extended to 1st January 2026).

The course is accessible purely online and can be accessed by a computer, laptop or tablet and consists of four online modules. Once all four modules have been completed you will then book and complete your online invigilated exam. The exam is conducted via same system as the learning modules, however, whilst sharing your screen with an invigilator over a Microsoft Teams.

Upon completion of your exam, you must sign a declaration of over 2 hours flying experience proven with a copy of your electronic flight logbook.



Pre-requisites

To undertake the course all students must:

- Hold a Flyer ID
- Hold an Operator ID (if you have the management of your own drone)

Course Structure

- Four online training modules
- Online Invigilated Exam
- Self-Declaration of over 2 hours flying practice proven with an electronic logbook

General VLOS Certificate (£500 inc. VAT)

1-day Classroom-Based Course with a half-day Practical Flight Assessment

Level

Beginner

Location

Online - Newport/Usk, South Wales

Course Overview

The GVC course is for anyone wishing to fly an Unmanned Aircraft in the Specific category.

With a GVC you can apply to the UK CAA for an Operational Authorisation, for most this will be within the bounds of the PDRA 01, which can be considered as a standard Operational Authorisation.

Under the PDRA 01 you must keep a minimum of 50m away from any uninvolved persons, can fly at a maximum height of 400ft (or 120m) and must maintain Unaided Visual Line of Sight with your aircraft at all times. For those whose operations do not fit into the parameters of the PDRA 01 you can apply to the UK CAA for a non-standard Operational Authorisation, to do this you must produce an Operational Safety Case (OSC) outlining the finer detail of your intended operations.

The GVC course includes six online pre-learning modules, that are accessible via a computer, tablet or laptop, a classroom-based theory day at our Newport training facility, Operations Manual development, and a Practical Flight Assessment at our South Wales Flying Site, (date to be booked once your Operations Manual has been verified by our team).



Pre-requisites

To undertake the course all students must:

- Hold a Flyer ID
- Hold an Operator ID (if you have the management of your own drone)

Course Structure

- Six Online Modules
- 1-Day Classroom Based Theory Course & Theory Exam
- Operations Manual Development
- Practical Flight Assessment

General VLOS Certificate - Transition (£350 inc. VAT)

Online theory course with a half-day Practical Flight Assessment

Level

Previous Certificate of Pilot Competency/Legacy PfCO Holder

Location

Online - Usk, South Wales

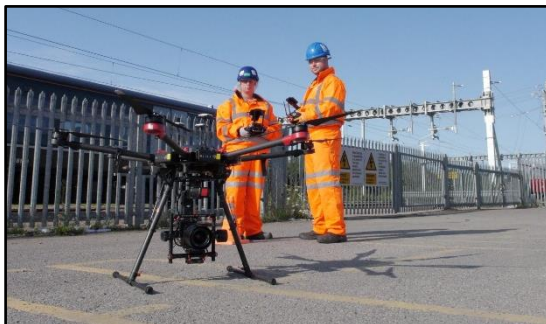
Course Overview

The GVC Transition course is for anyone who has previously completed a 'legacy' Certificate of Pilot Competency and who has previously been operating under a PfCO or Operational Authorisation.

UK CAA regulation has stated that everyone must hold a General VLOS Certificate to operate under an Operational Authorisation by 1st January 2024. If your OA has lapsed in order to submit a new application you must hold a GVC, a 'legacy' certificate of pilot competency will not be accepted.

The GVC transition course includes nine online pre-learning modules, Theory Exam, Operations Manual development and a Practical Flight Assessment.

Once you have passed the theory exam and the Practical Flight Assessment, and your Operations Manual has been completed and verified you will be awarded your General VLOS Certificate.



Pre-requisites

To undertake the course all students must hold:

- A Flyer ID/Operator ID
- Previous Certificate of Pilot Competency
- Legacy Permissions for Commercial Operations/Operational Authorisation

Course Structure

- Nine Online Modules
- Theory Exam
- Operations Manual Update
- Practical Flight Assessment

Aerial Data Processing (£795 inc. VAT)

3-day Classroom-Based Course

Level

Beginner – Intermediate

Location

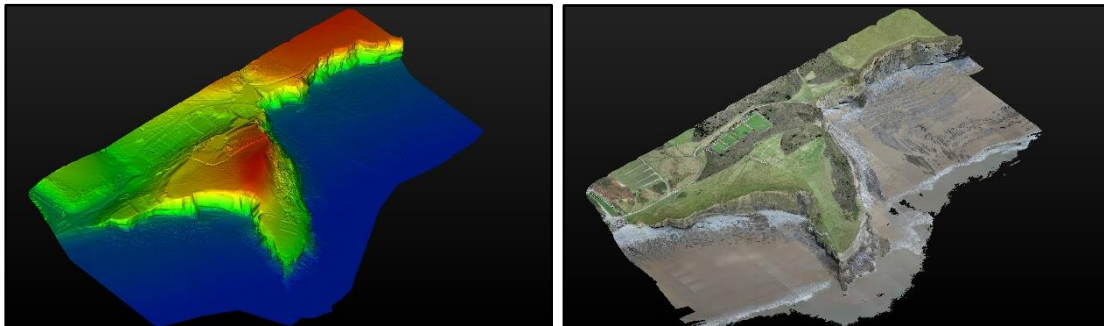
Newport, South Wales.

Course Breakdown

RUAS Aerial Data Processing course is the next step in data capture for image processing of GIS data product generation through Agisoft Metashape/Pix4D/Reality Capture.

The course begins with an introduction to UAV mapping and how it works discovering the varying types of sensors and their uses. We will explore the relation between resolution and accuracy and gain an understanding of Ground Sampling Data (GSD). The course progresses to understand the role of 'Terrain Follow' in surveying and the importance of Survey Control with the inclusion of RTK/PPK georeferencing and GCP based georeferencing.

The aerial image processing steps are explained in detail from image pre-processing/post-processing to accuracy assessment including theory content providing a better understanding of Data Alignment and cleaning/modifying the sparse cloud. Processing Point cloud, Textured Mesh, DEM and Orthomosaics. The final stages include checking the accuracy and decimating the data.



Pre-requisites

To participate in the live flying and data collection element of the course candidates must have:

- A Flyer ID/Operator ID
- A2 CofC/GVC dependent on what type of drone is being utilised
- Use of a UAS

Software Requirements

To participate in the data processing elements of the course candidates should have the use of a laptop, the following software should be downloaded prior to attendance on the course:

- Agisoft Metashape (30-day unrestricted trial available)
- Pix4D Mapper (14-day unrestricted trial available)
- QGIS (Free)

Flight Training (£200 – Full Day/£100 - Half Day inc. VAT)

Half Day/Full Day Practical Flight Training Course (tailored to current skill level)

Level

Beginner - Intermediate

Location

Newport/Usk, South Wales

Course Overview

RUAS Flight Training is designed for anyone wishing to enhance their flying skills, either you have very little or no flying experience and want to learn the basics; or you have a standard level of flight experience but want to tailor the flight training to push your skills to a higher level.

Dependent on the ability of the individual the flight training will include pre-planning, onsite survey, risk assessment, identification and mitigation of the current risks and set up of a flying site. Flight Training will also include aircraft identification and set up, including understanding the controller and the aircraft functions, settings and flying the aircraft through a series of manoeuvres using the basic controls. Practical flying can remain at a basic level or be pushed to a higher more skilled level of flying dependent on the individual's needs. Emergency procedures will be discussed and rehearsed through scenario-based practices.



Pre-requisites

To undertake the course all students must:

- Hold a Flyer ID
- Hold an Operator ID (if you have the management of your own drone)
- Use of a UAS (UAS can be hired from RUAS for the purpose of Flight Training if required)

Course Structure

- Planning and Risk Assessment
- Setting up a Flying Area
- Aircraft Familiarisation and Set Up
- Basic Manoeuvres
- Emergency Procedures

Bespoke Training Courses (Price On Request)

Classroom-Based Theory/Outdoor Practical Training – based on company requirements

Level

Beginner - Advanced

Location

Newport/Usk, South Wales – or can be delivered at the client's own location

Course Overview

Bespoke training courses are developed in accordance with the needs of your company. This can include both Classroom-based Theoretical Training as well as Bespoke Practical Flight Training. The pace and content of the course will be dictated by the individual's current base level of knowledge and skills and the company's individual requirement(s), from a very basic or advanced level. The team will recreate the environment you are likely to be operating in, with the designated kit and equipment required.

Companies often opt for bespoke flight training when their operations are either slightly unusual or require a higher level of skill. Our instructors have experience in training and operating in various environments under different Operational Authorisations including Beyond Visual Line of Sight, Night Operations, Extended and Reduced Distances. They have also operated in many different hostile environments including offshore oil and gas and network rail infrastructure.

RUAS have delivered bespoke training to various emergency services including Police Forces, Search and Rescue and international News Reporters.



Pre-requisites

To undertake the course all students must:

- Hold a Flyer ID
- Hold an Operator ID (if you have the management of your own drone)

Course Structure

The course structure is dependent on the company/individual requirements, please liaise with a member of the RUAS team to tailor your bespoke course to meet your needs.