



VISUAL INSPECTION

Syllabus

Course provided by Vertical Master and in compliance with:

COMMISSION IMPLEMENTING REGULATION (EU) 2019/947 / EASA

Open and specific category operations



Certified Institut

Duration: 2 days (14 hours)
Schedule: 9:30am – 17:30pm
Prerequisites: Discovery, Photogrammetry

Course Objective:

- Understand the general basics of the professional use of UAVs.
- Know the industries and sectors in which UAVs are used.
- Be able to interpret a customer request and to capture or add value
- Carry out a control taking into account the various constraints.
- Be able to process and analyze data.

Syllabus:

Chapter	Topic	Description
1.	Basic Principles	<ul style="list-style-type: none"> • Work methodology • Interpret the client's request • Possible restrictions
2.	Equipment selection	<ul style="list-style-type: none"> • Drone, remote control • Sensor: visible spectrum, infrared, multispectral, laser, ... • Monitor • GPS positioning, indoor vs. outdoor • Avoiding obstacles • Exposure, aperture, ISO • Pixel resolution • Choice of software
3.	Professional usage	<ul style="list-style-type: none"> • Construction Industry • Civil Engineering • Ancient buildings and monuments • Industry • Energy
4.	mission preparation	<ul style="list-style-type: none"> • Flight Plan • Exercise 1: Practical work (roof inspection) • Exercise 2: Practical work (Electric pylon inspection) • Exercise 3: Practical work (image processing)