



# DISCOVERY

## 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:** 1 day ( hours)

**Schedule:** 9:30am – 17:30pm

**Prerequisites:** None

**Course Objective:**

- Know the national and European legal framework in which you can fly a drone
- Know the different components of a drone, their properties and their uses
- Know the fundamentals of drone piloting and master the environment in which we pilot
- To know the evolution of the professions related to the civil drone and to seize their ranges

**Syllabus :**

Chapiter	Topic	Description
1.	Legal framework	<ul style="list-style-type: none"><li>• New European regulations on drones</li><li>• National (CH) and European (EASA) aviation law</li><li>• DPA Federal law on data protection</li></ul>
2.	Components	<ul style="list-style-type: none"><li>• Electrical circuit</li><li>• Battery technology</li><li>• Remote control and control station</li><li>• Sensors</li><li>• Motors</li><li>• Propellers</li><li>• Applications (DJI Go 4, Litschi ...)</li></ul>
3.	Navigation	<ul style="list-style-type: none"><li>• Human Factor</li><li>• Safety rules</li><li>• Meteorology (METAR)</li><li>• Map reading</li><li>• Flight planning (U-Space)</li><li>• Flight performance</li><li>• Pilot mode (GPS, Atti)</li></ul>
4.	Industry & jobs	<ul style="list-style-type: none"><li>• Applications and industries</li><li>• Trends and market</li><li>• Swiss Products</li></ul>