



The ALFA project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 700002.



# ALFA H2020 PROJECT:

**Coordinator:**

Technikon Forschungs- und Planungsgesellschaft mbH

[coordination@alfa-h2020.eu](mailto:coordination@alfa-h2020.eu)

Advanced Low Flying Aircrafts Detection and Tracking

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# General Project Information

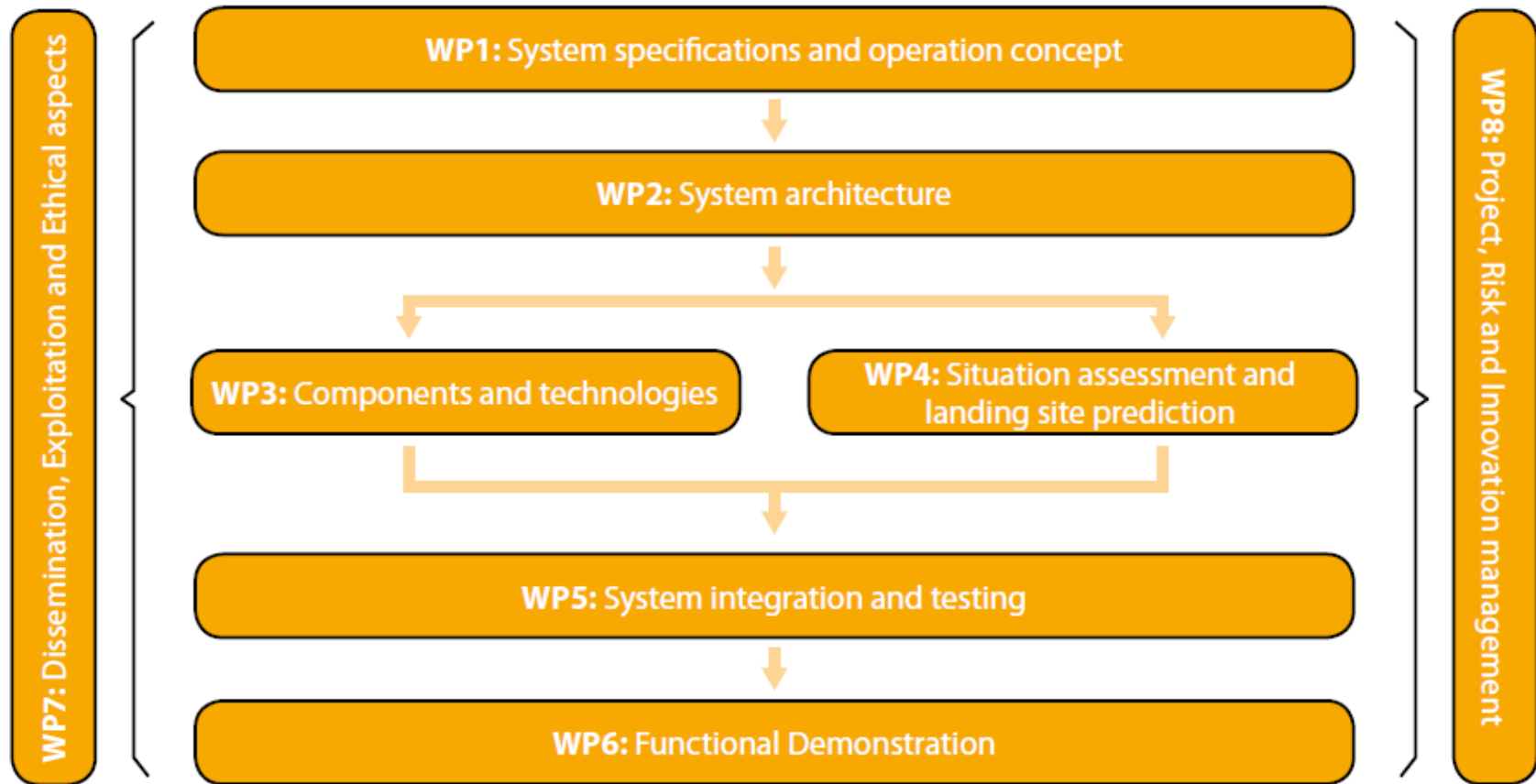
- Project reference: **700002**
- Project start: **1<sup>st</sup> January 2017**
- Duration: **3 years**
- Total costs/EC contribution: EUR 4,613,831.25
- **9 partners** from **6** different **European countries**
- Mission: ALFA **will bridge the existing capability gap of current operational surveillance systems** for border control with respect to detection, classification and identification of Low, Small and Slow flying vehicles.
- Website: [www.alfa-h2020.eu](http://www.alfa-h2020.eu)

# Project Goal

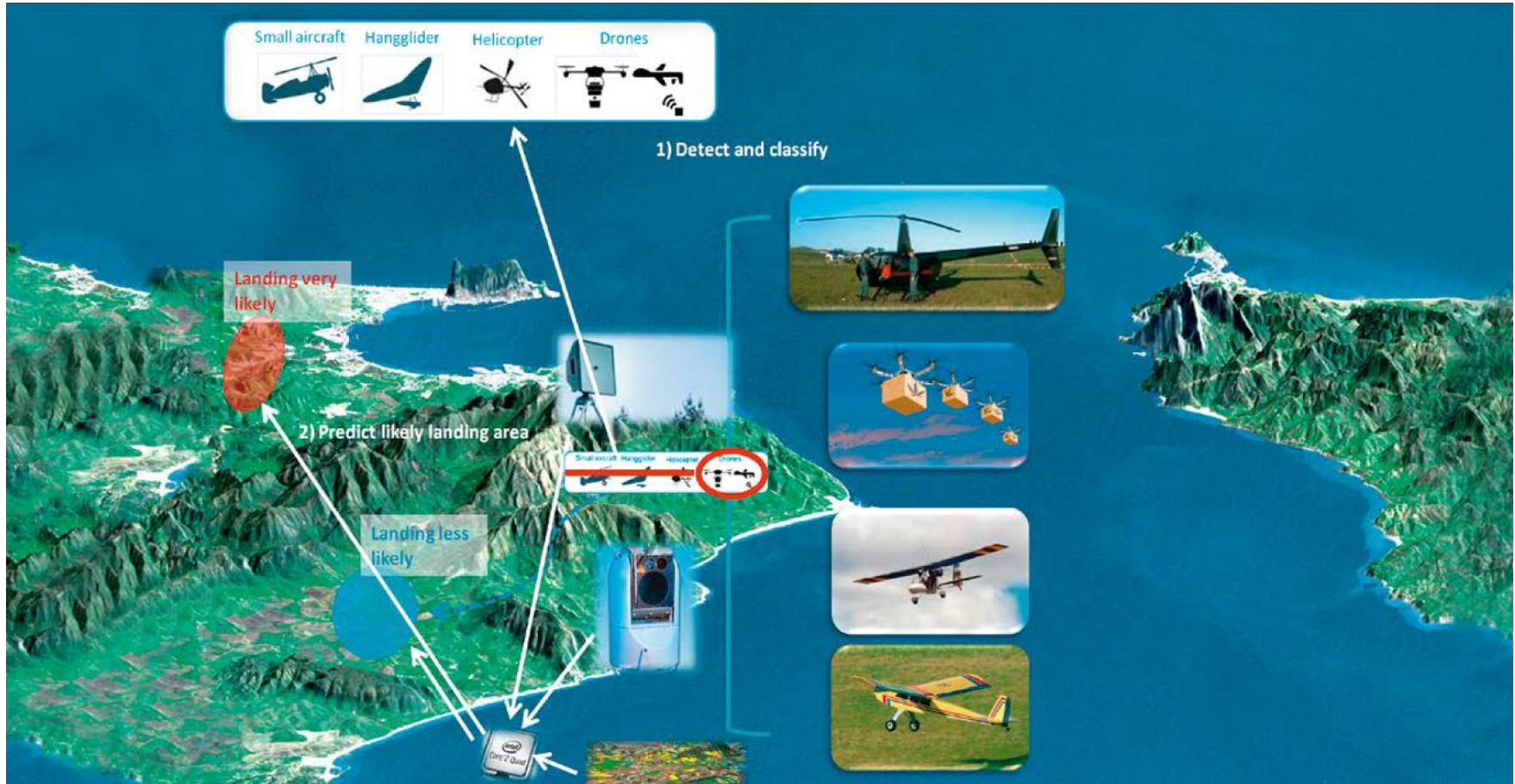
The main objective of **ALFA** is the development of a system for timely detection, classification and understanding of the intentions of suspected air targets. The system will also provide a prediction of the landing site or dropping zone. ALFA will contribute to the following EU strategic goals:

- ◆ **Increasing the EU internal security** by the reduction of cross border crime
- ◆ The **interdiction of drug trafficking**
- ◆ Assistance in the **prosecution of drug trafficking criminals**
- ◆ The **confiscation of drugs and aircraft**
- ◆ The **interdiction of weapon and illicit substance trafficking**

# WP Interaction



# The ALFA system (schematic representation)



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# Impact

ALFA is expected to **increase surveillance capabilities** contributing to the **prevention of cross border crimes**, in particular in terms of reduction of the traffic of drugs, weapons and illicit substances. The focus will be put on the improvement of the skills for **combating drug smugglers** that exploit a new modus operandi for crossing borders undetected **using small low flying aircrafts** loaded with drugs. According to the intended objectives, the **impact of ALFA** will be measured in accordance to its ability to:

- contribute further to the **development of EUROSUR and**
- **complement existing surveillance tools and strategies,**
- **be adaptable** (the system itself and the developed technologies) in other missions/area of interest

# Contacts

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# ALFA Grant Agreement No. 700002

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