

certiflight

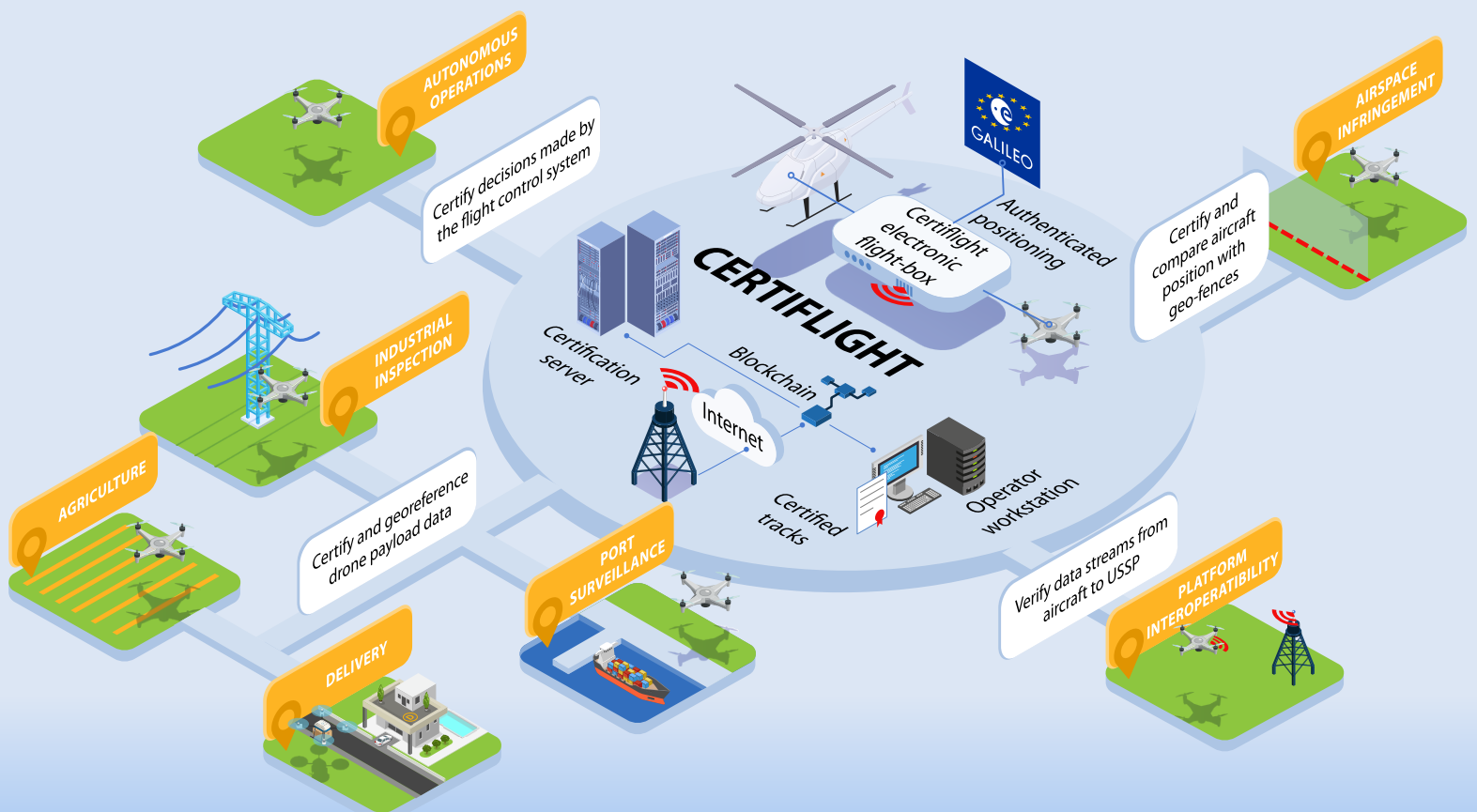
Certified E-GNSS remote tracking of drone and aircraft flights

The Certiflight solution

The Certiflight platform offers a digital service for the generation of certified reports of flight tracks and the flight logs of UAS and GA aircraft, especially for safety-critical and commercially valuable applications. The service will also be included in the USSP/UTM service provider's software. In addition, the recorded tracks may be useful for law enforcement, for instance sanctions for airspace infringement, as well as for possible accident or incident investigations.

The core of the system is a Digital EGNSS/IoT Device installed on UAS and General Aviation manned aircraft, equipped with an OSNMA Galileo/EGNOS enabled receiver, capable to guarantee the authenticity of their position information at the origin, without the possibility to be counterfeited or spoofed. Tracking information is encrypted and once transmitted to the Certiflight platform is permanently stored by automation software to an unalterable blockchain private node.

Certiflight concept



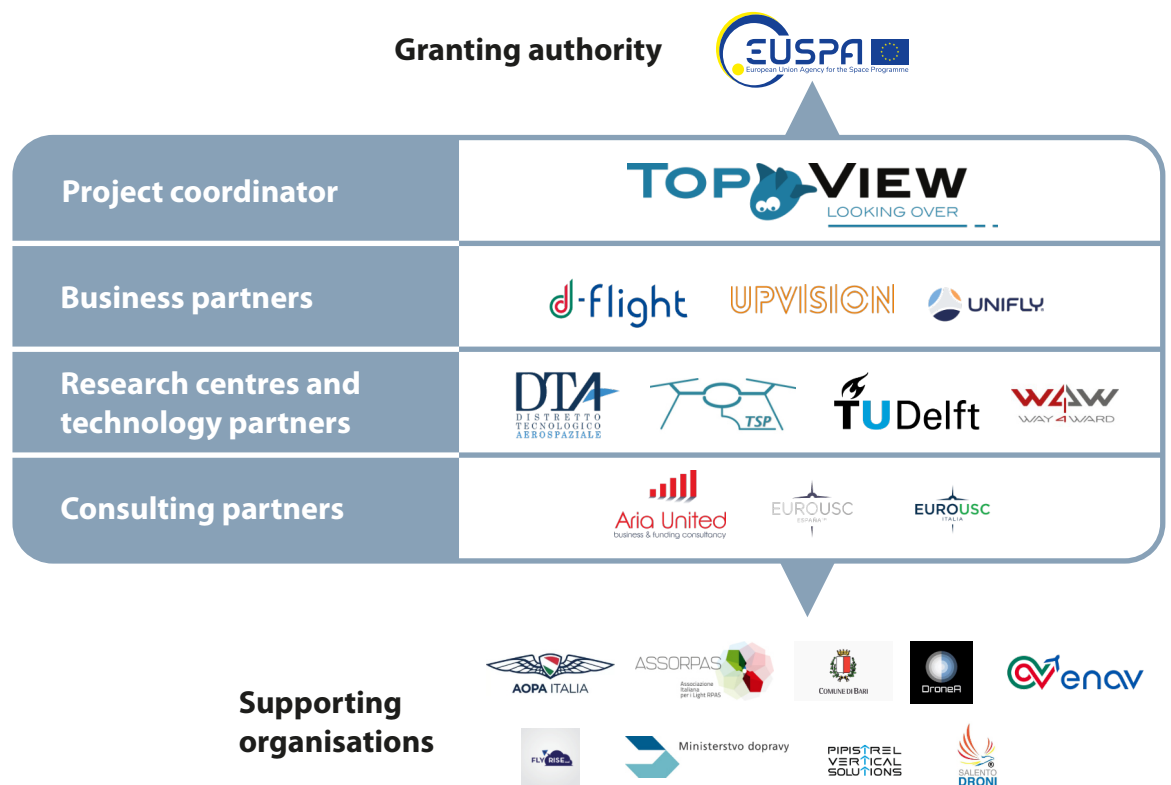
Validation campaign

An extensive validation and demonstration campaign will start after the successful conclusion of the integration and verification phases. The campaign will take place in three European countries: Belgium, Czech Republic and Italy.

The validation campaign will demonstrate the added value of the Certflight solution in operational environments, interacting with three different UTM service providers that are partners of the consortium.



Project consortium



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