# The one true secured platform for 4G / 5G autonomous drones ✔

✚ uavia

### COLLABORATIVE & USER FRIENDLY

A web-based solution allowing users to manage drones from distance without specific aerial skills. Thanks to APIs, URP can be integrated with other software solutions like VMS for instance.

### ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

UAVIA DroneOS provides AI to perform native autonomous navigation and machine learning models in edge computing that can be provided by end customers or third parties, with the possibility to integrate cloud acceleration for demanding edge applications using machine learning.

### TAKES ADVANTAGE FROM LTE CAPABILITIES, PROTECTS DATA

LTE 4G/5G opens the way for structured and secure data acquisition, allowing for large space coverage for different use cases in a fraction of time.

# The Master Data Management Platform for drones operations ✔

# Uavia Robotics Platform
# Key Principles

**uavia**

### HARDWARE AGNOSTIC ✔

Manage your own drones made autonomous and deploy your business data analysis algorithms within your organization.

### INTEROPERABILITY & COMPATIBILITY ✔

Integrate the solution into your Cloud infrastructure and connect your existing IT services via APIs.

### CYBER SECURITY ✔

Protect your sovereign data and guarantee secure access to your users in accordance with your internal policies.

### SCALABILITY ✔

Take advantage of new UAVIA standard features and benefit from a service-oriented architecture with high availability.

# URP Data processing pipeline for integrators

uavia

**DATA**

**collected by drones**

**Secure the data**

UAVIA ROBOTICS PLATFORM helps IT departments to secure the end-to-end data acquisition, by ensuring a high level of cybersecurity/traceability and preventing from hacking threats, availability, integrity and confidentiality issues.

**Execute optimized applications on the data**

UAVIA ROBOTICS PLATFORM helps R&D and Digital departments to deploy their optimized algorithms (AI, ML, etc.) at different levels within the data processing pipeline, from the Edge to the Platform, and accelerate the data analysis by using state-of-the-art cloud acceleration technologies.

**Provide third party systems with data**

UAVIA ROBOTICS PLATFORM helps business domains to collaborate, to explore and exploit datasets by supporting connections with data science, data visualisation or computing tools.

# Micro Drones Uavia Inside

uavia

"**Light and affordable solution for remote surveillance**"

**Key advantages:** sovereignty, reliability and cost effectiveness
**Description:**
- **Parrot ANAFI Ai & next generation, Dji**
- **Docking station (US manufacturer)**
- **Uavia Robotics Platform license**
- SORA certification (BVLOS, urban areas, etc.)
- 4G LTE or 5G communication

UAVIA is orchestrating in coordination with a US manufacturer the integration between the drone, the docking station and its software in order to package the technical solution. UAVIA is dealing with certifying this solution through a SORA application.
The hardware distribution and maintenance is performed by resellers.

# DJI M300 / M350 compatibility



**"The industrialized solution to embed payloads"**

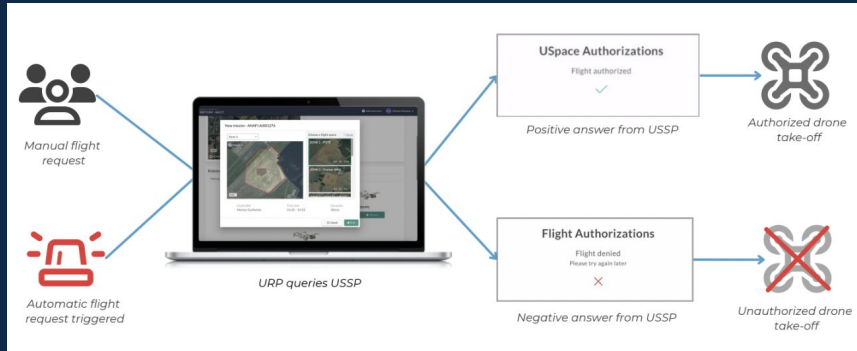**Key advantages :** reliability, worldwide retail and maintenance
**Description :**
- **DJI M300 - M350**
- **Uavia Robotics Platform license**
- **Uavia Embedded Module with LTE communication**
- SORA certification (BVLOS - no remote pilot) pending

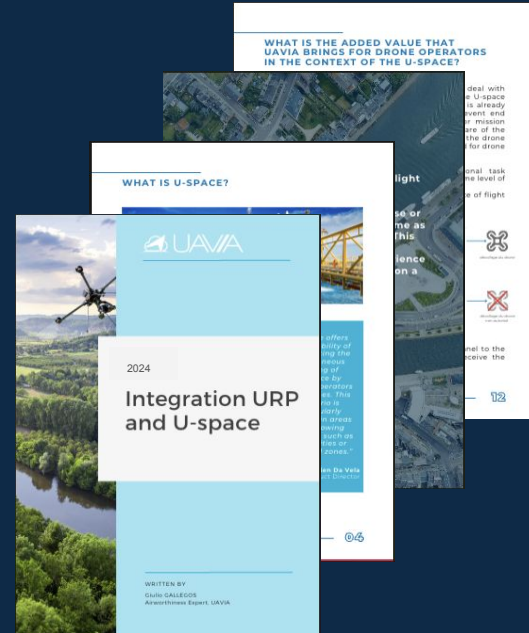UAVIA has integrated the best seller M300-M350 by DJI.
The key point of this integration is to make the drone acceptable for end customers over the world in terms of data sovereignty by segregating the UAVIA's Data Processing Pipeline from the DJI means of communication.

# UTM / U-space integration



UAVIA ←→ USSP (U-space Service Provider) integration already exists and used by one major O&G Customer in Europe for daily operations with docked autonomous drones, within a smart port.



**U-space integration whitepaper**