

Drones112

DRONES112



Digital Cities



Drones management for safer cities

Drones112 platform enables to plan and monitor drone deployments and services. It allows local agencies and drone operators to deploy fleet of drones for diverse applications for safer cities.

Civilian drones are an important tool in the cities, for both emergency and prevention tasks. For instance, the eye of the drone can soar ahead of congested roads to reach accidents and evaluate the scene before emergency services arrive, drones fitted with infrared sensors can help firefighters spotting people trapped in blazes or missing people.

Drones112 will tackle the complexity of coordinated drones operations allowing an

effective use of resources (drone, pilots). To streamline drones deployment and harness the benefits of this technology, Drones112 solution includes mission-planning tools, checklists and priority management, real-time Monitoring and Control tools and an application for in-field operators.

Competitive Advantages

- Live data transmission during drone operations, over multiple network connections
- Cloud-based tools for mission definition, drone and team management and optimal assignment
- Video analytics with object and scene recognition for real urban life scenarios.
- Cloud platform for data/video harvesting and analysis

Target Markets

Entities/agencies operating drone-based services for either:

- local and large-scale emergency response and disaster recovery (Search&Rescue forces, local police, fire brigades, etc.)
- monitoring and situational awareness tasks (pollution, crowd surveillance for accident prevention, vegetation, infrastructures)

Status and Traction

- Scenario definition with the active collaboration of multiple stakeholders: Local Police of different cities, Emergency Medical Services in Spain, Fire Brigades, large-scale emergencies coordinators, emergency intervention services in UK roads
- Experimentations in Italy and Spain, led by Ferrovial Group global operator of transport, urban and service infrastructures
- With partners Universidad Politécnica de Madrid, Politecnico di Milano, Santer Reply, CEA, Eurecom, and Ferrovial Group

Road Map

2018

- Definition of scenarios
- Integration of technologies
- Validation in Italy and Spain
- Feedback collection and product iterations

2019

- Broadening of applications in different scenarios
- Roll-out of services

Connect



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Location

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