Automated drone dispatching
On-site awareness with one click

Uncrewed aerial systems (UAS) are becoming increasingly commonplace as organisations discover the benefits of deploying them for tasks that are time-critical, dangerous or lengthy for human teams. However, integrating these systems into operations and obtaining the necessary permissions can be daunting. The Frequentis automated drone dispatching solution is designed to fit seamlessly into existing control centres and their workflows, enabling automated remote control of UAVs beyond visual line-of-sight (BVLOS) with minimal additional effort.

Key facts

UAS at scale

Frequentis brings decades of domain-specific experience of creating safety-critical control centres for the civil, defence, public safety, public transport, and maritime industries and is able to help organisations achieve large-scale, highly automated drone operations.

Public transport organisations can use drones to respond to incidents faster and to gather data that minimises line closures across their networks.

For public safety organisations, automated drones have been found to reduce the average response time to emergency calls by as much as 75%.

In the maritime industry, dispatching drones could replace or augment crewed inspection boats, acquiring information faster and more cost-efficiently and even saving lives.

For defence organisations, UAVs launched remotely could replace the costly, risky practice of observing critical objects or areas with lots of manpower and equipment, preventing people being exposed to threats and increasing situational awareness.

Ensure regulatory compliance

By combining our profound regulatory experience with automated information exchange, stay ahead of fast-evolving regulations to get the necessary per-mits to fly UAVs with minimal effort.

Tailored to conditions

Our automated drone dispatching solution is inde-pendent from UAS hardware and tailored to your flight permit. Thus, it ensures operations are always compliant.
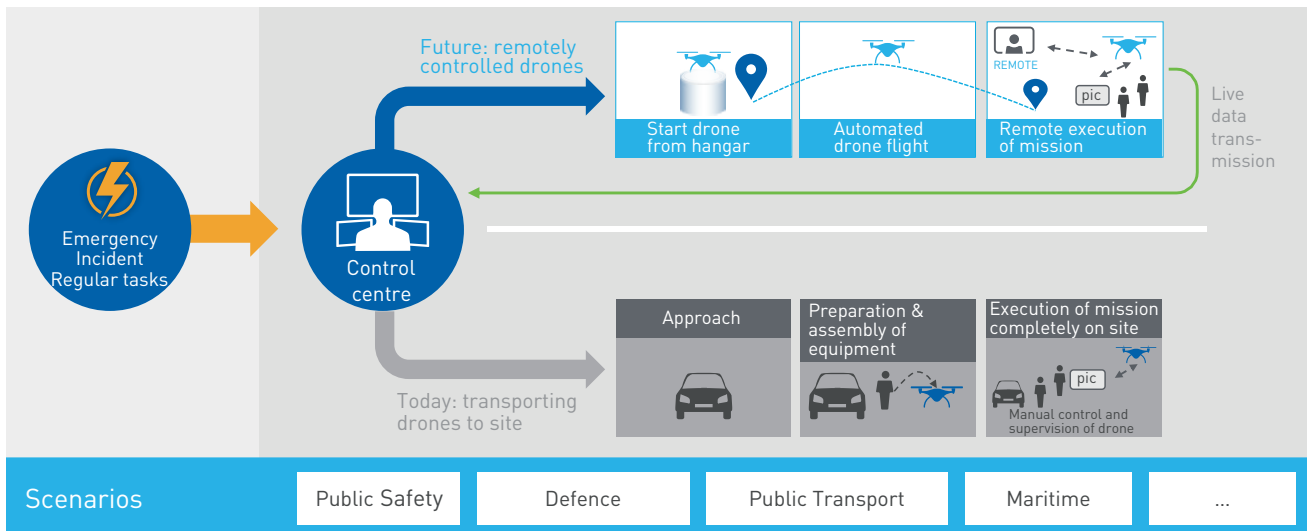

Automated drone dispatching at a glance

- Independent of UAS hardware
- Regulatory compliant
- Customisable and secure
- Easy to operate through high level of automation

FREQUENTIS
FOR A SAFER WORLD

| Scenarios | Public Safety | Defence | Public Transport | Maritime | ... |

Benefits

Respond faster

UAS can travel more swiftly than human teams, cutting response times, increasing situational awareness and accelerating resolutions.

See further

An automated drone dispatching solution can help you capture and share mission-critical information speedily and efficiently.

Optimise use of resources

Improve planning and workflows and augment human teams with UAVs, reducing risk and cost.

Fast ROI

Thanks to low operating costs following the initial purchase cost, UAS offer a rapid return on investment, allowing users to cost-efficiently accomplish more tasks.

Key tasks for automated drone solutions

Dispatch use cases	Design and analyse automated drone dispatching use cases, ensuring legal feasibility and realism
Route planning	Design and check flight routes for safety and efficiency
Automated failure management	Design and implement automated procedures to manage drone failures safely
Regulatory approval	Cut through regulatory red tape to obtain necessary approvals from technical and operational perspectives
Communication integration	Integrate mission-critical-critical communications over wide areas, including public network integration
Data integration	Use data from multiple sources
Operational workflows	Design and implement operational workflows and plan organisational change management
Deployment & compliance	Help deploy automated drone hangars and drones, including sensors and telemetry, customise solution server, integrate control room solution, and maintain regulatory compliance