



AirShare

Uncrewed traffic management



Airspace intelligence & management for uncrewed traffic



10 years
operating in live airspace



400,000+
flights managed



Enhanced
situation awareness

About AirShare

Airways New Zealand has developed AirShare, an uncrewed traffic management (UTM) system to help air navigation service providers and regulators safely and efficiently integrate uncrewed aircraft (UA) into their airspace and aviation system. AirShare is built to create a UTM ecosystem and is aligned with U-Space concepts.

AirShare provides real-time display and management of UA activity, integration with UA detection systems in and around aerodrome control zones, and a one-stop shop for drone pilots to plan flights, gain approvals, and operate safely.

The global market for UAs is expected to grow to USD \$43.54 billion by 2030 - almost doubling from the 2024 market value at USD \$27.13 billion¹

A UTM that fits your needs

As UAs continue to rapidly increase in both numbers and capability, with advanced air mobility nearing take-off, the need to ensure the safe integration of UAs into our global airspace requires careful planning and strong cooperation. With the ever-growing changes in airspace, ANSPs and regulators need to ensure they have the right tools to support safe and scalable skies. AirShare can provide an ecosystem-ready solution, underpinned by our CIS solution providing a single source of the truth via APIs to all stakeholders. The outcome is improved management of uncrewed traffic, greater situational awareness and reduced risk.

With AirShare on board, ANSPs and regulators can:

- ▶ Manage UA flight requests
- ▶ Build UTM ecosystem
- ▶ Reduce ATC workload
- ▶ Reduce risk and increase compliance.



UA information management



Integration with multiple data



Manage UA flight requests



Tactically manage airspace



View UA traffic maps

¹ Markets and Markets, "Unmanned Systems Market by Type (Unmanned Aerial Vehicle, Unmanned Marine Vehicle, Unmanned Ground Vehicle), Application (Defense, Government & Law Enforcement, Commercial, Consumer, Other), Mode of Operation, and Region - Global Forecast to 2030", (February 2025).

Safer skies with AirShare UTM



AirShare Airspace Manager

Airspace Management for UA

The Airspace Manager module provides real-time display and management of nationwide UA activity.

- ▶ Manage flight requests from a single operational console
- ▶ Provide geo-awareness, flight authorisation, traffic information and remote ID services
- ▶ Communications with pilots to ensure flight operations are adhered to
- ▶ Dashboards for airspace managers

Ecosystem ready

AirShare aggregates data from various sources to provide an operational picture to reduce risk from drones.

Options include:

- ▶ USSPs, PSUs, pilot and drone registries
- ▶ UA detection systems
- ▶ Remote ID and UA flight positional data
- ▶ Digitised airspace charts and NOTAMS



Airways has used AirShare in our tower operations across New Zealand since 2014. AirShare helps us to manage drone operations by providing accurate information to air traffic controllers. Drone operators can log their flight details into AirShare which then generates information for our controllers in the tower.

This information allows us to make timely decisions and approvals on safe areas and altitudes for drones to operate in the vicinity of the aerodrome, which in turn assists with managing the workload involved in drone operations.

Tim Bradding

Head of Aerodrome Services, Airways

Safety at the heart

AirShare is New Zealand's UTM and was first launched as an online hub for New Zealand drones in 2014 with the aim to "share the air" by developing a safe, transparent and efficient UA traffic management system.



"The AirShare team have been fantastic to work with. Exceptionally flexible and demonstrating a great level of knowledge regarding UTM/ATM integration. We have worked with the team at AirShare in a highly agile and dynamic way, which provided us with a great outcome."

Low Level Airspace, Program Manager, ANSP



"AirShare is an important tool for Lyttelton Port Company, enabling our drone pilots to efficiently plan and lodge flight plans. This significantly enhances our Permits Office ability to monitor UAV flights within LPC's airspace, protect our operations and maintain the highest standards of safety."

Mike Simmers

Lyttelton Port Company Chief Marine and Infrastructure Officer

Talk to us today

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