AirShare
Uncrewed traffic management

AIRWAYS
International

Airspace intelligence & management for uncrewed traffic

9 years
operating in live airspace

300,000+
flights managed

Enhanced
situation awareness

About AirShare

Airways New Zealand has developed AirShare, a 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 $57.8 billion by 2028 – with more than 250 businesses planning to build or operate UAM vehicles.[1]

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/FIMS 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.

Flight information management

Integration with multiple data

Manage UA flight requests

Tactically manage airspace

View UA traffic maps

[1] Markets and Markets, *"Drone Services Market by Type (Platform Service, MRO, and Training and Simulation), Application, Industry, Solution (End-To-End, Point), and Region (North America, Europe, Asia Pacific, Middle East and Row) - Global Forecast to 2028",* (October 2023).

Safer skies with AirShare UTM

AirShare Airspace Manager

Flight information management system

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

Talk to us today

international@airways.co.nz

www.airshare.co.nz

AirShare
Uncrewed traffic management

AIRWAYS
International