

AIRWAYS
making your world possible

AirShare Update

George Ridd
AirShare Head of Operations

 AirShare

NEWS

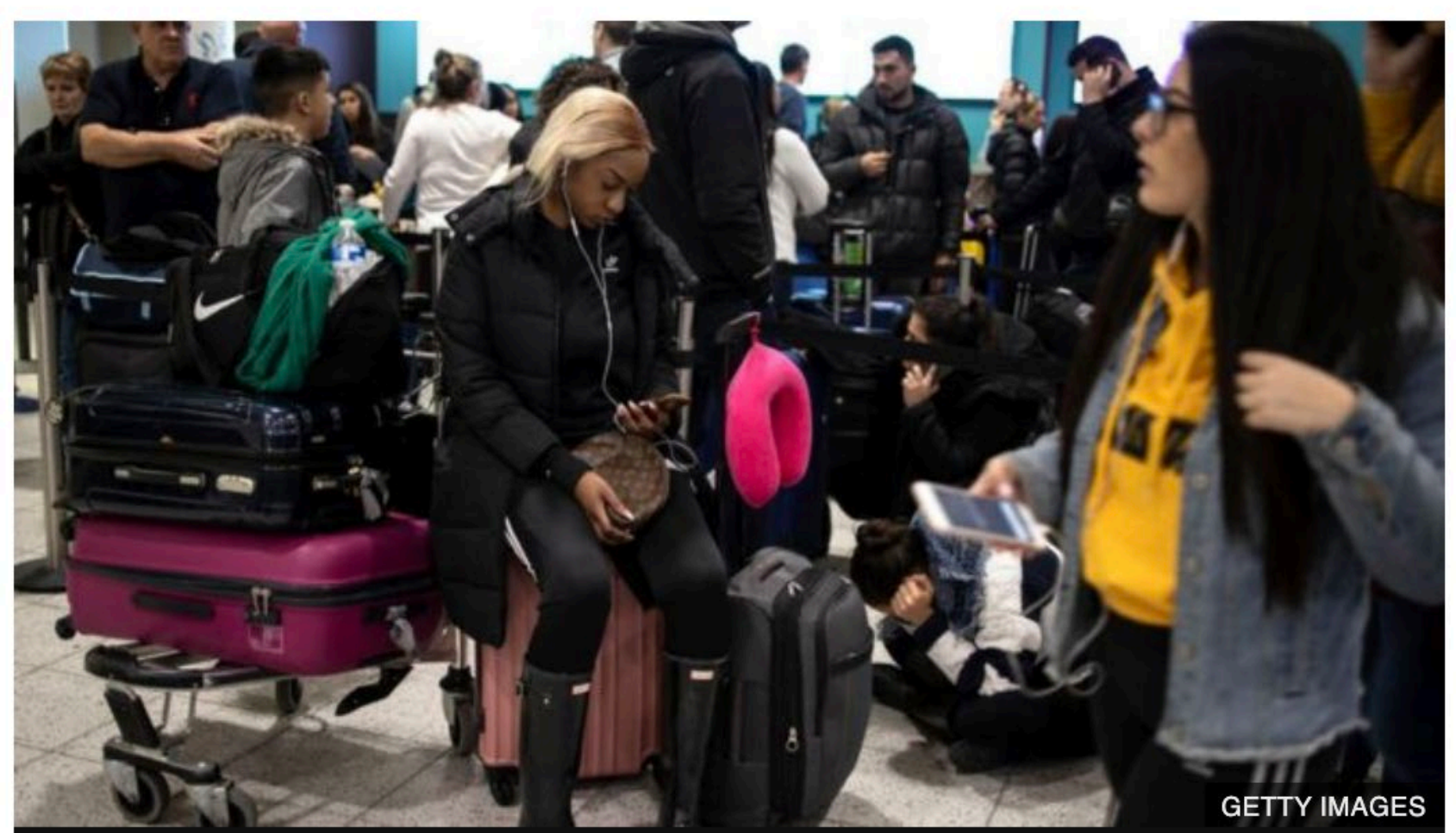
Gatwick drone attack possible inside job, say police

By Justin Rowlatt
BBC News

14 April 2019



Gatwick drone shutdown



The travel plans of about 140,000 people were disrupted as a result of the drone attack

Otago Daily Times

Dunedin 14 | 6 Monday, 21 October 2019 Send us news & photos

Tuesday, 23 October 2018

Rescue chopper in near-miss with drone

1175 4

News > National

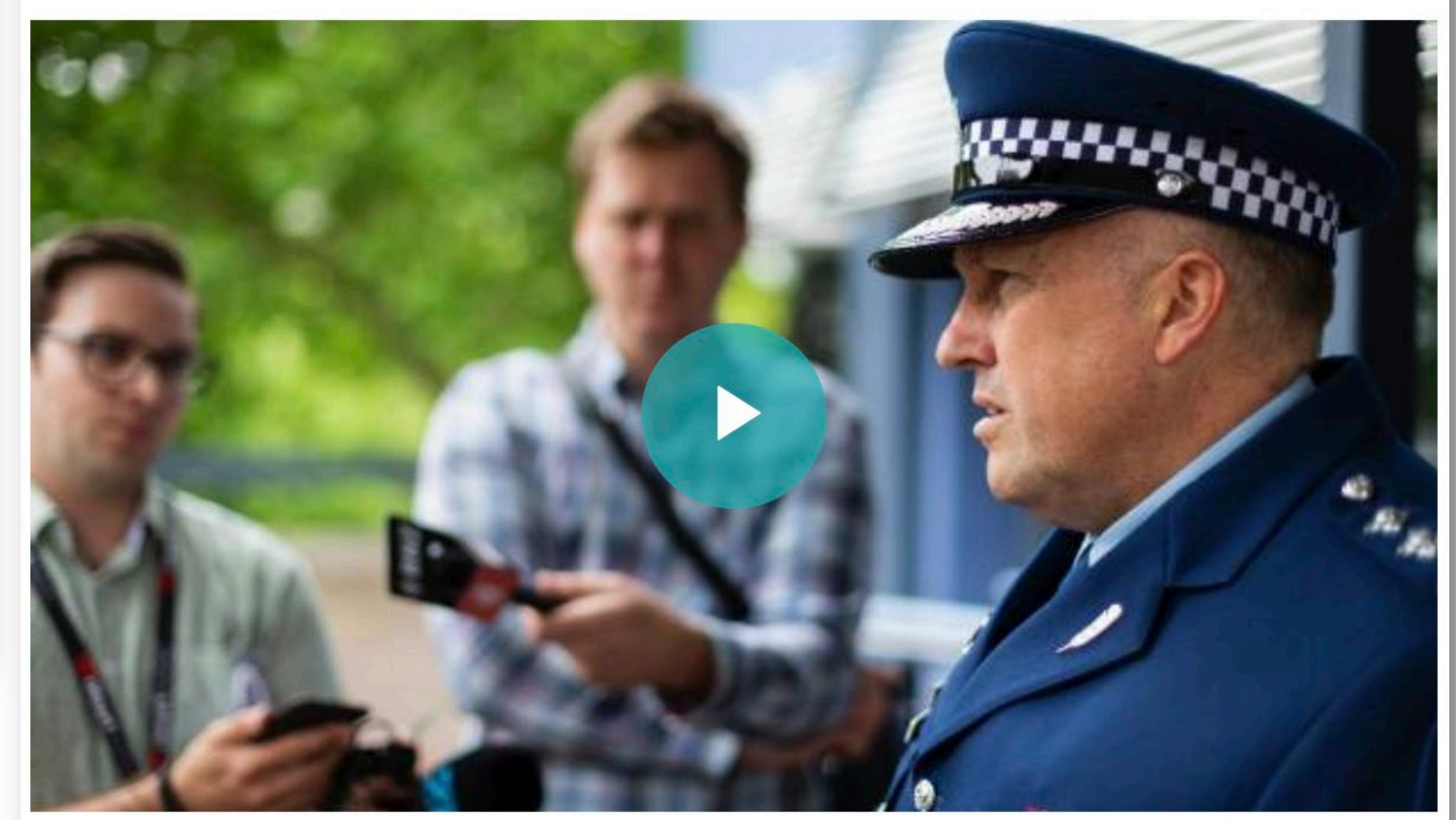


The pilot of the Auckland Westpac Rescue Helicopter was horrified when the drone came within 4m of the aircraft. Photo / ARHT



Call for public assistance after police Eagle helicopter's near-miss with drone

Anna Loren • 16:07, Jan 02 2019



Inspector Jim Wilson says the Police Eagle helicopter's near-collision with a drone could have easily been fatal.

AirShare Statistics

Avg. # incursions/
week

1.5

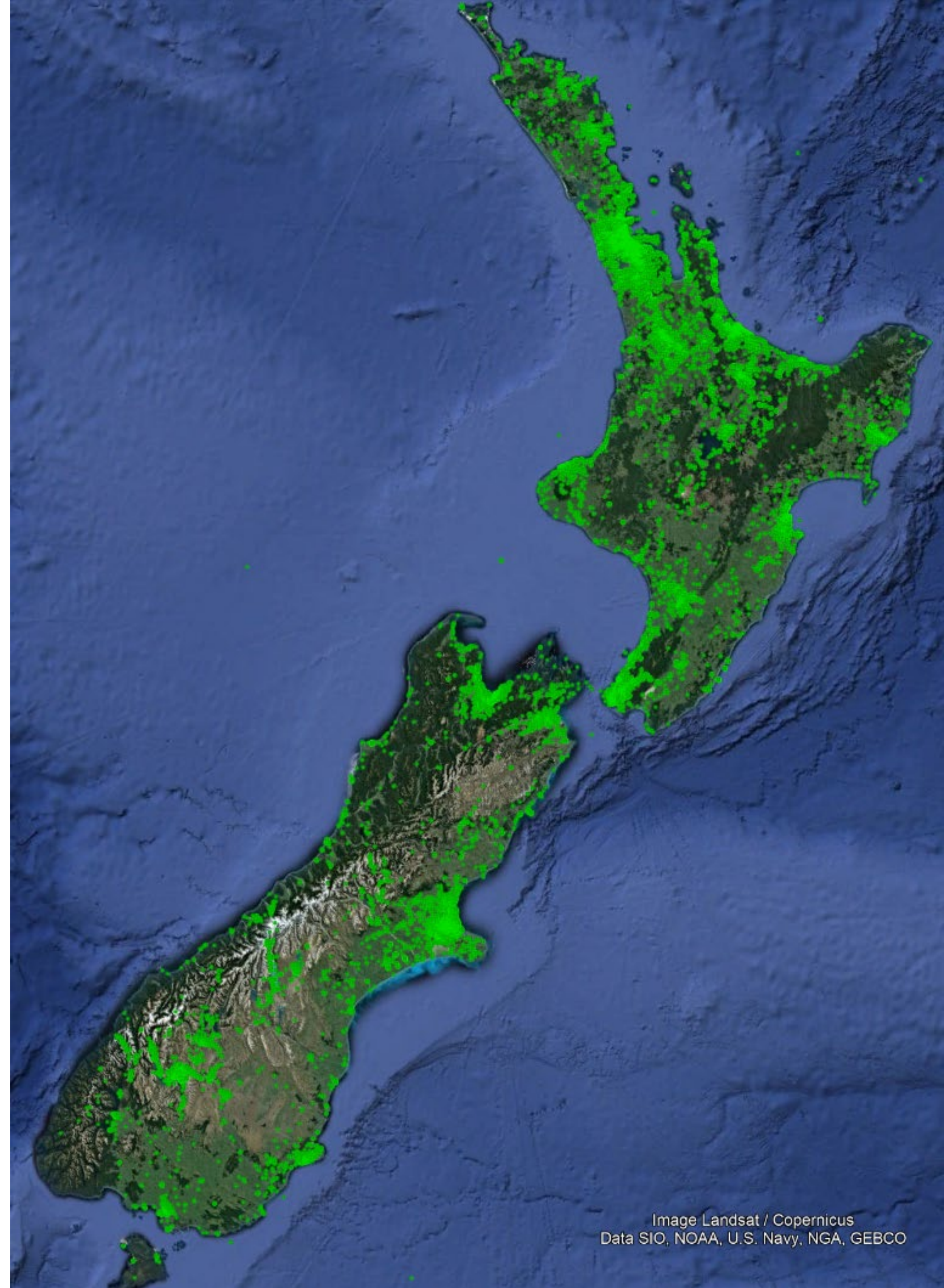
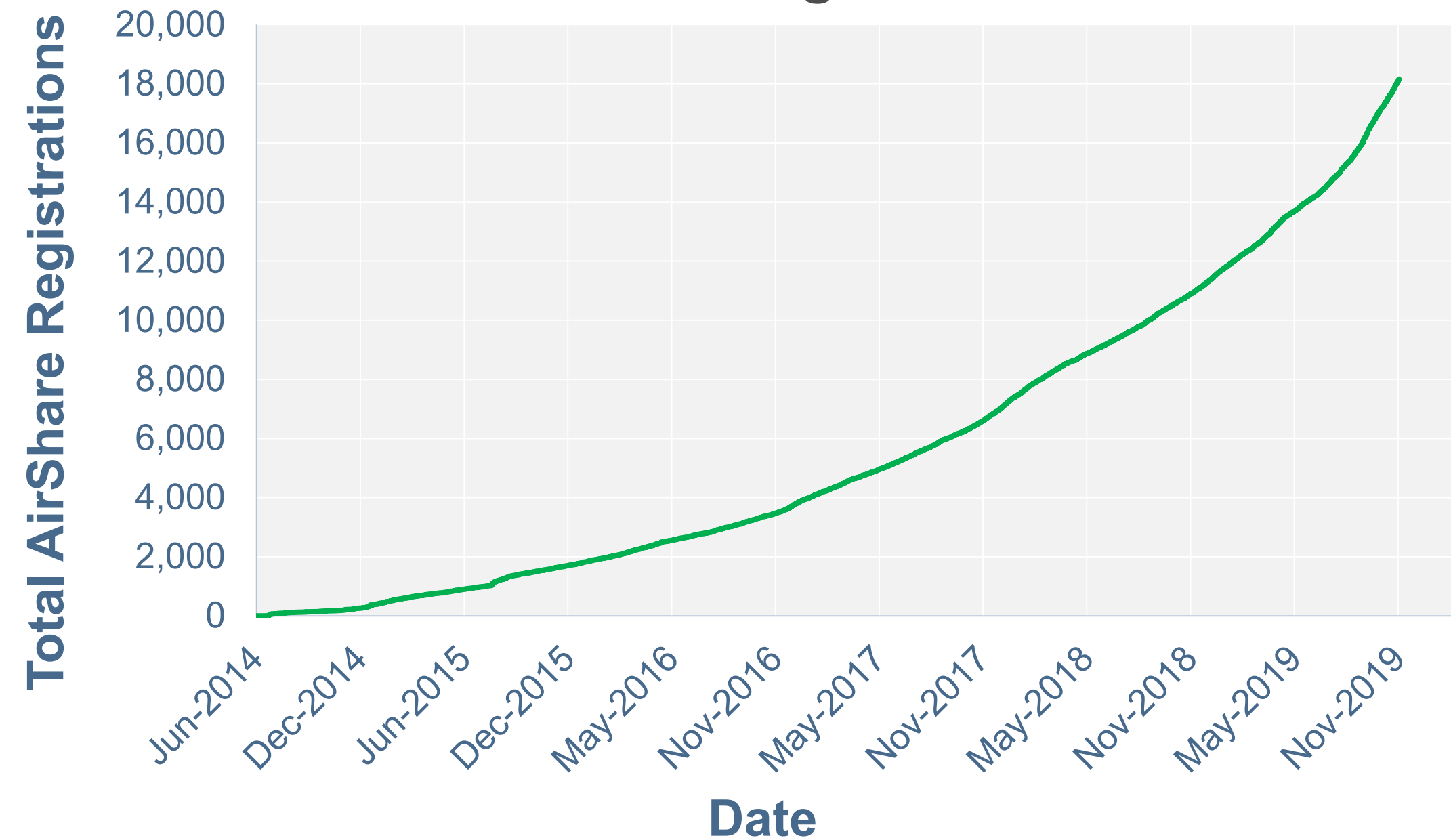
Registered AirShare
Operators

18,500

Avg. # AirShare
Flights/week

1,000

AirShare Pilot Registration Growth



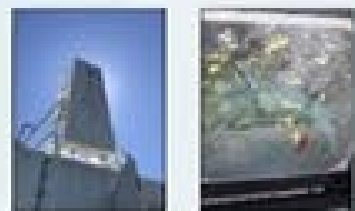
AIRWAYS

UAV INFRASTRUCTURE FOCUS

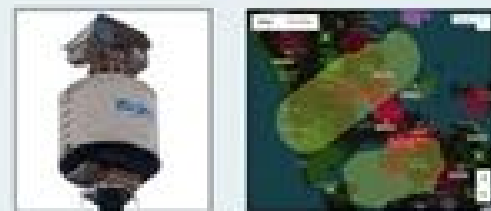
AERODROME SAFETY

- Detects potential UAV targets in/near the control zone
- Identifies drone identity and location of UAV operator

UAV DETECTION



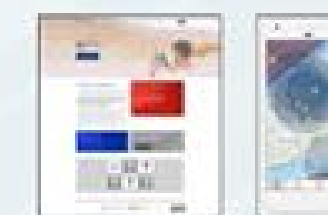
UAV IDENTIFICATION



UAV AIRSPACE MANAGEMENT

- Digital tools help UAV operators fly by the rules
- Enables UAVs to be seen by each other and GA

UAV PILOT TOOLS



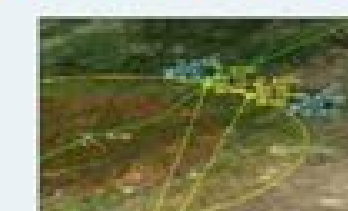
UAV TRACKING



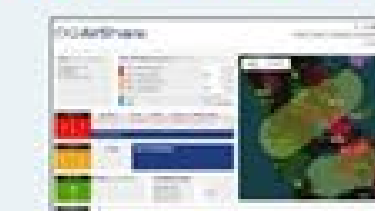
ENABLING UAV INFRASTRUCTURE

- Enables beyond-visual-line-of-sight operations
- Humanitarian and commercial operations
- Optimal procedures and routes to fly

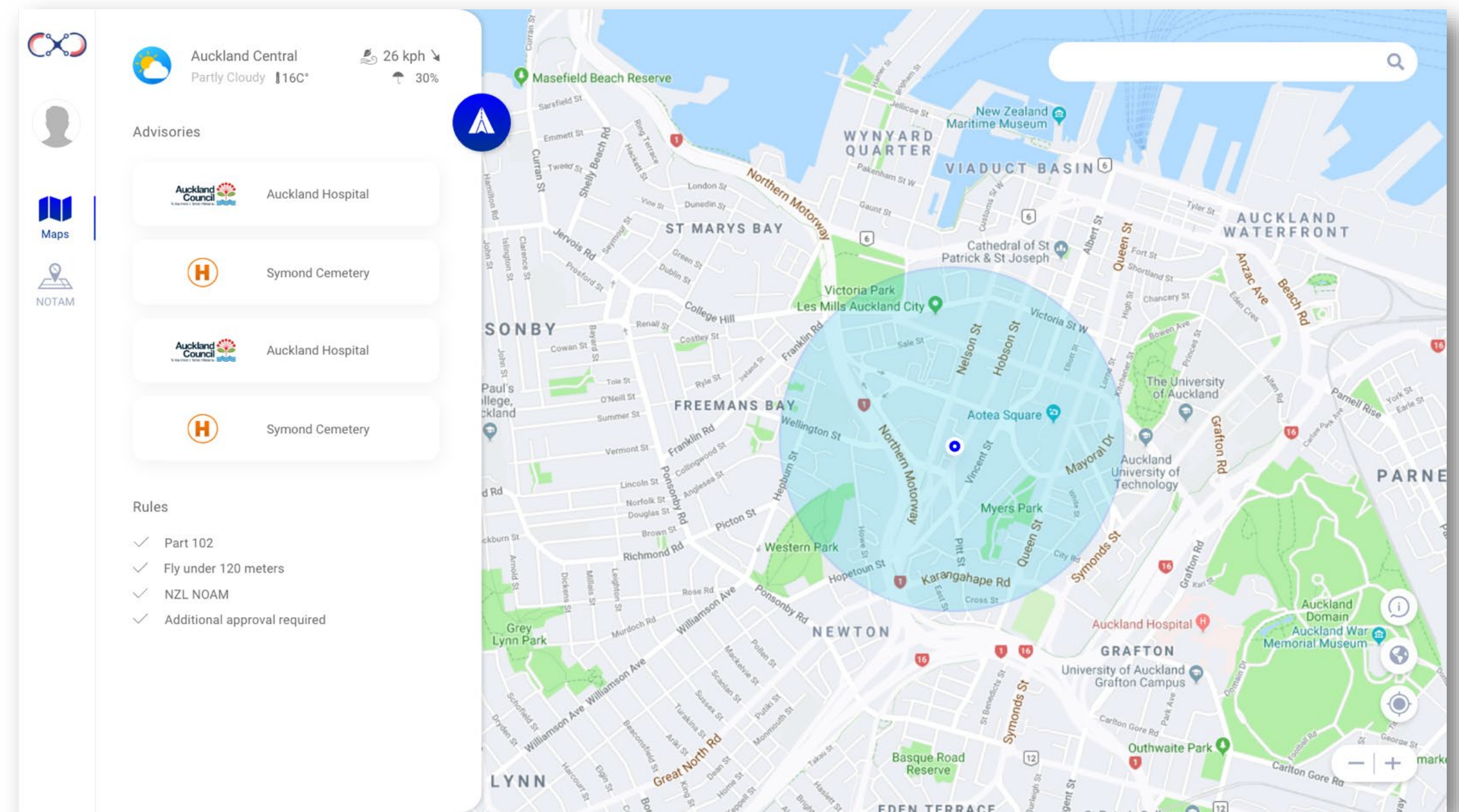
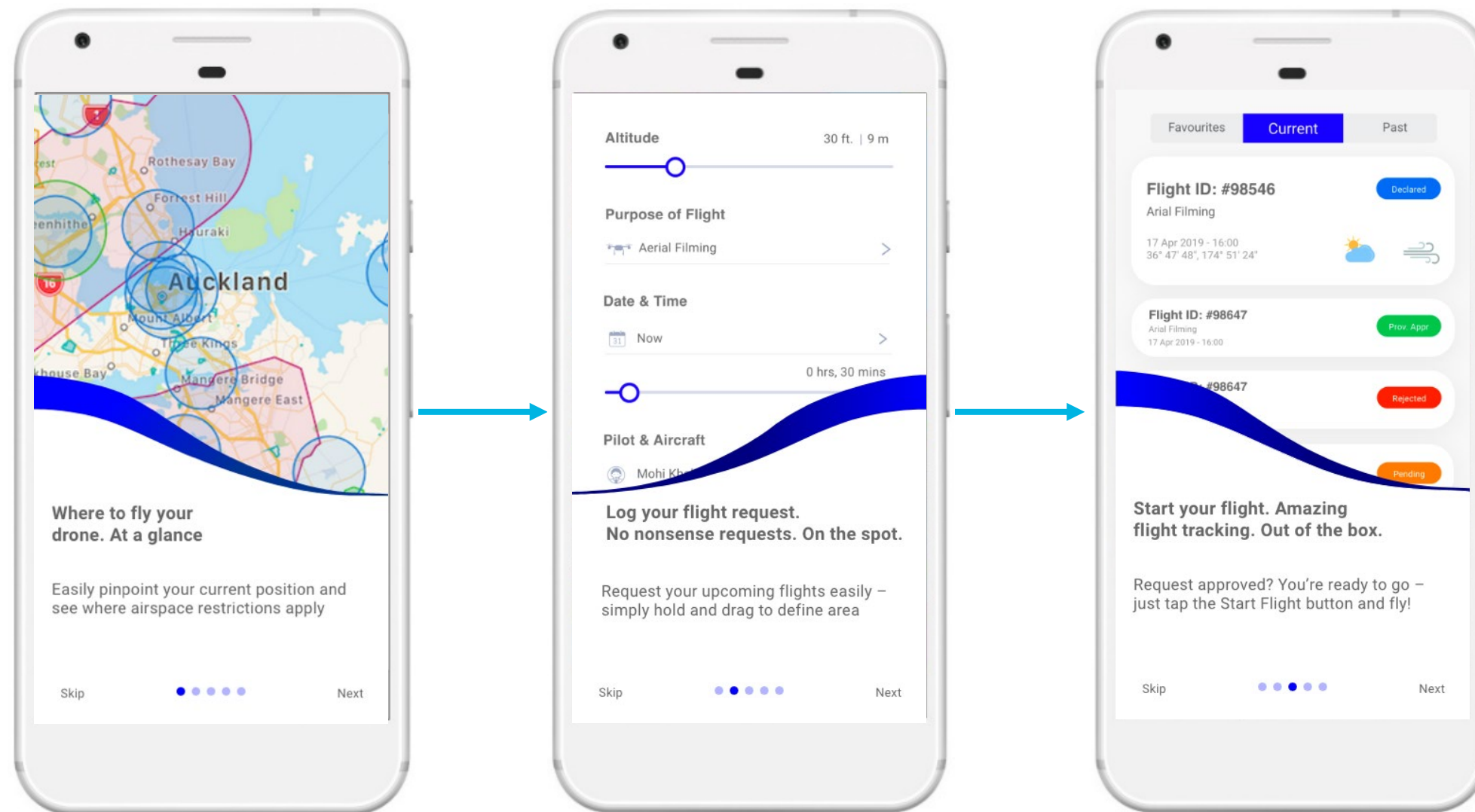
BVLOS OPERATIONS



AIRSPACE PROCEDURES

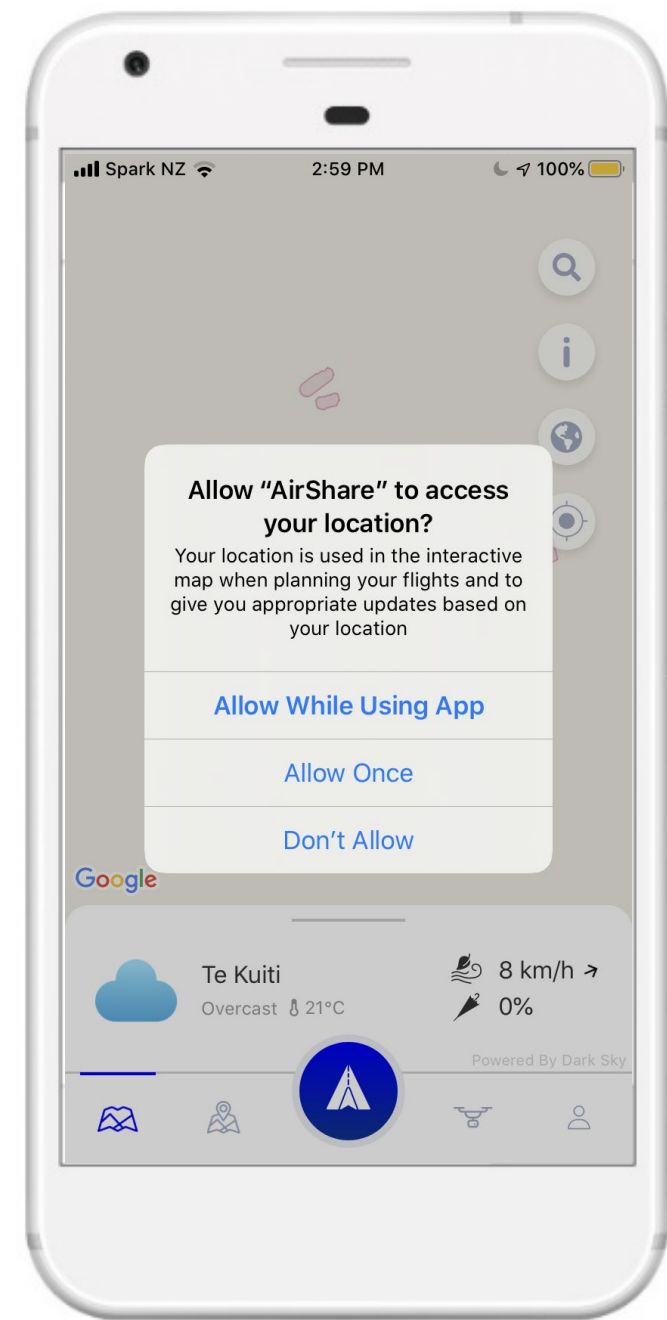


Objective: Make it easy for cooperative users to fly safely and by the rules



UAV Live Flight Tracking

Objective: Visibility and comms with live UAV flights



The screenshot shows the AirShare web dashboard for a user named Trent Fulcher. It displays flight details for a flight by Mohi Khalili using a Freefly Alta Hexcopter. The dashboard includes a table of flight data, a 'COMMS MODULE' section with a chat interface, and a map showing the flight path over a green field.

Time	Lat	Lng	Alt	Speed	Pitch	Roll	Yaw	Dist
22:38:08	-36.846779	174.754181	16.4	2.70	-8	-18	231	202
22:37:34	-36.847214	174.755295	6.6	2.87	-5	-18	93	63
22:36:54	-36.847321	174.755264	0.2	0.02	-2	-20	0	0
22:43:22	-36.847569	174.755356	0.9	0.00	-6	-19	34	514
22:43:42	-36.847576	174.755356	0.9	0.00	-7	-19	34	515
22:41:15	-36.847549	174.755325	2.2	0.01	7	-18	167	499

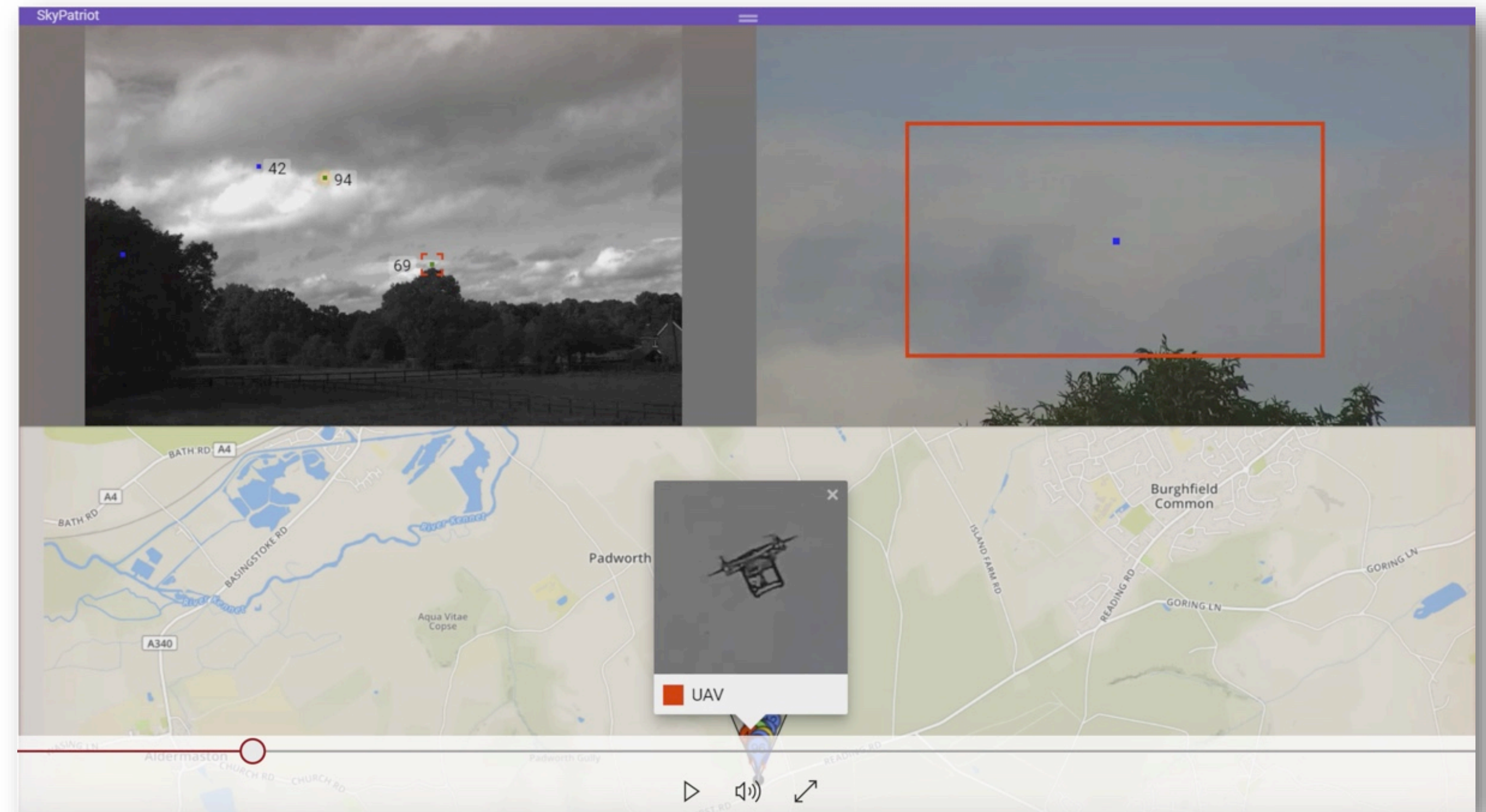
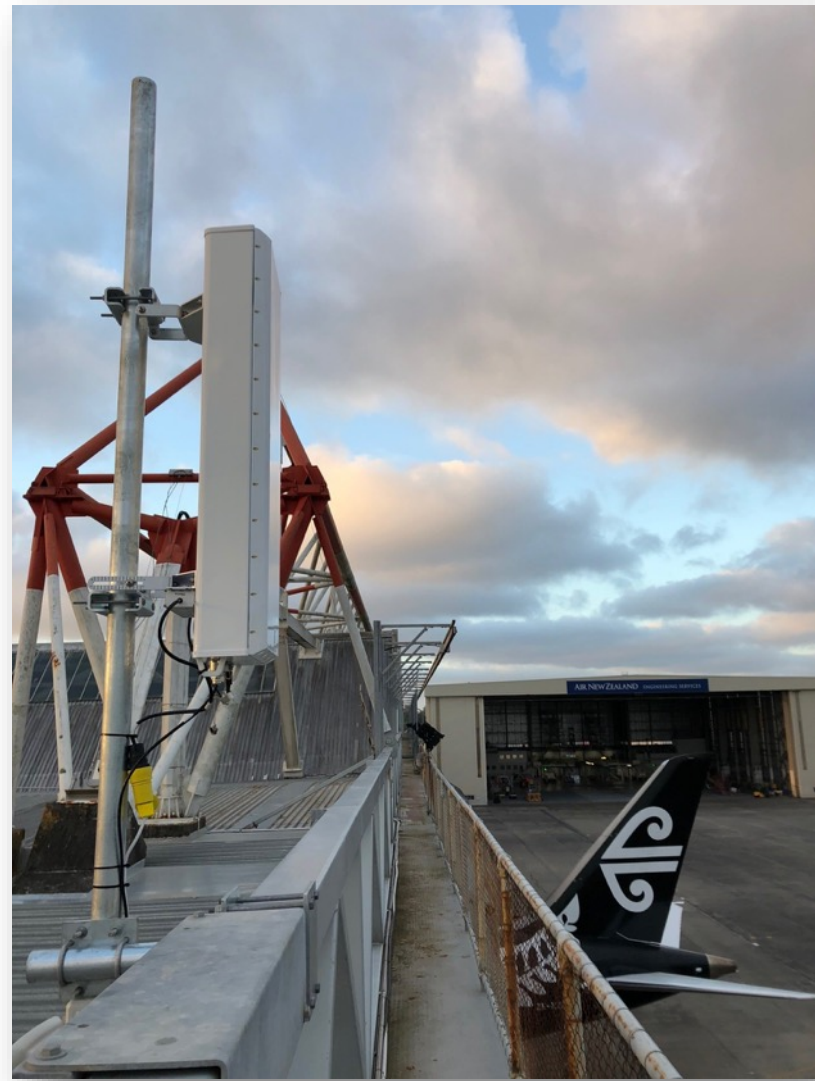
COMMS MODULE

FLIGHT ID: 52
DATE: 2019-01-07
TIME (UTC): 22:43:40
NOC #: 51
MAX HEIGHT: 31.65 Meter

Mohi Khalili
-36.846806S 174.755768E
Altitude: 6.33 Meter
UTC 07-Jan-2019 22:38:50
Ref: 52

Skytrax Critical Alert:
Boundary
Airways
Mohi Khalili
-36.847549S 174.755341E
Altitude: 1.47 Meter
UTC 07-Jan-2019 22:41:20

Objective: Detect and identify UAVs in/near the control zone



Acknowledge All Active Tracks

Track: HD74 - **HOSTILE: OTHER**

Summary		Detailed		Classification	
Classification	OTHER (Amber)	Drone Make	Not Identified	Avellant GameKeeper Hits	17
Track Start	22/10/2019 06:21:16	Last Sensor Hit	22/10/2019 06:22:02	Bearing	137
Distance	1769	Heading	32.4	Speed	20m/s
Elevation	0	Last Altitude	None Record	Closest DA	No Ops (827.888m)
BDA Tool	All Clear				

Go To Track Acknowledge

- Track: HD74 - **HOSTILE: OTHER**
- Track: PU66 - **PENDING: OTHER**
- Track: PU60 - **PENDING: OTHER**
- Track: PU58 - **PENDING: OTHER**
- Track: PU63 - **PENDING: OTHER**
- Track: PU55 - **PENDING: OTHER**
- Track: PU56 - **PENDING: OTHER**
- Track: NB47 - **NEUTRAL: OTHER**
- Track: NB48 - **NEUTRAL: OTHER**
- Track: NB35 - **NEUTRAL: OTHER**



