AIRWAYS

DRONE TRAFFIC MANAGEMENT

MoT Drone Forum

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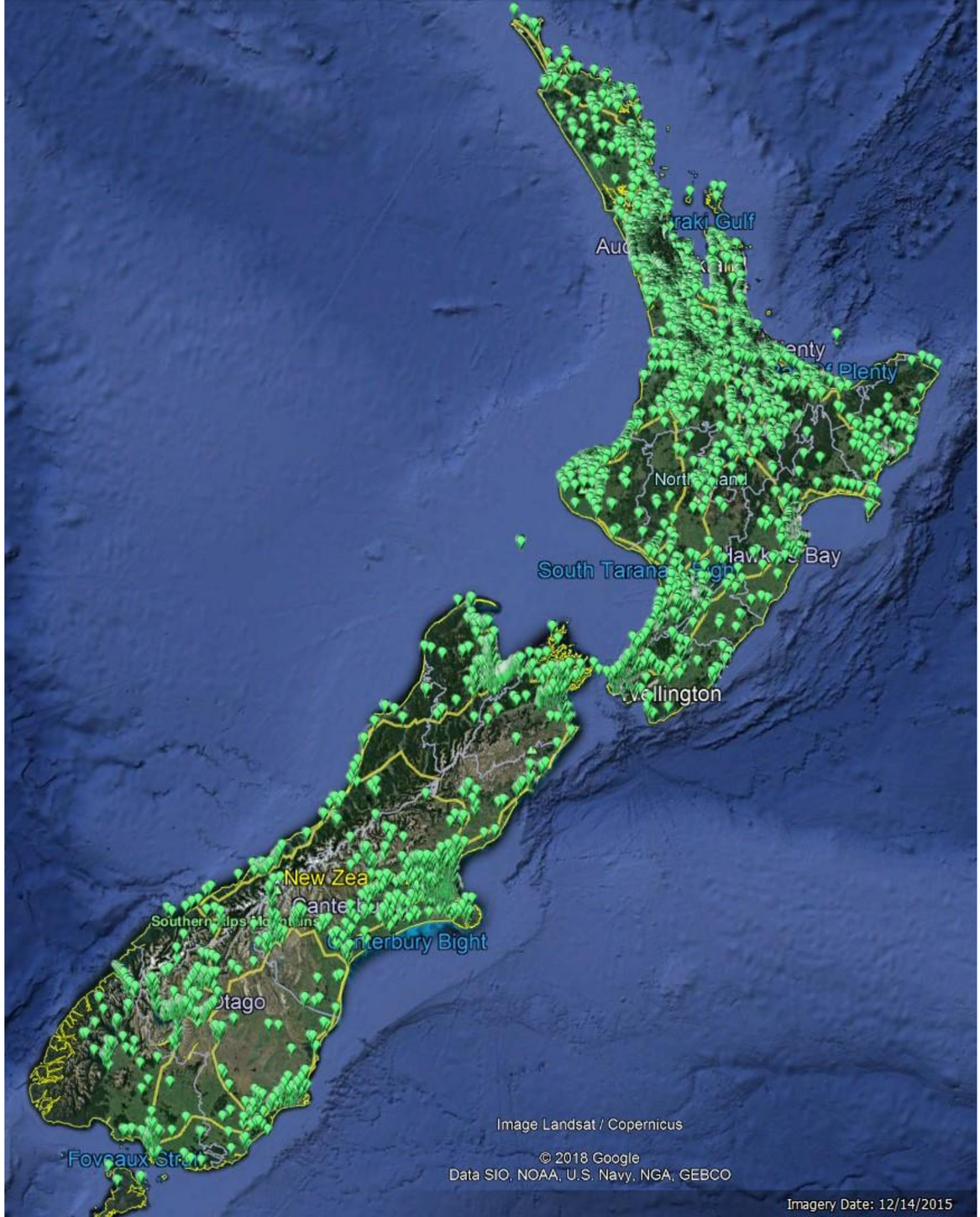
27 June 2019

making your world possible

AirShare Recorded Flights

Key Stats

AirShare users	**13,839**
Mobile app downloads	**2,898**
Flights logged	**101,858**



AIRWAYS
UAV TRAFFIC MANAGEMENT

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

AERODROME SAFETY

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

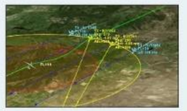
UAV DETECTION

UAV IDENTIFICATION

NATIONAL UAV INFRASTRUCTURE

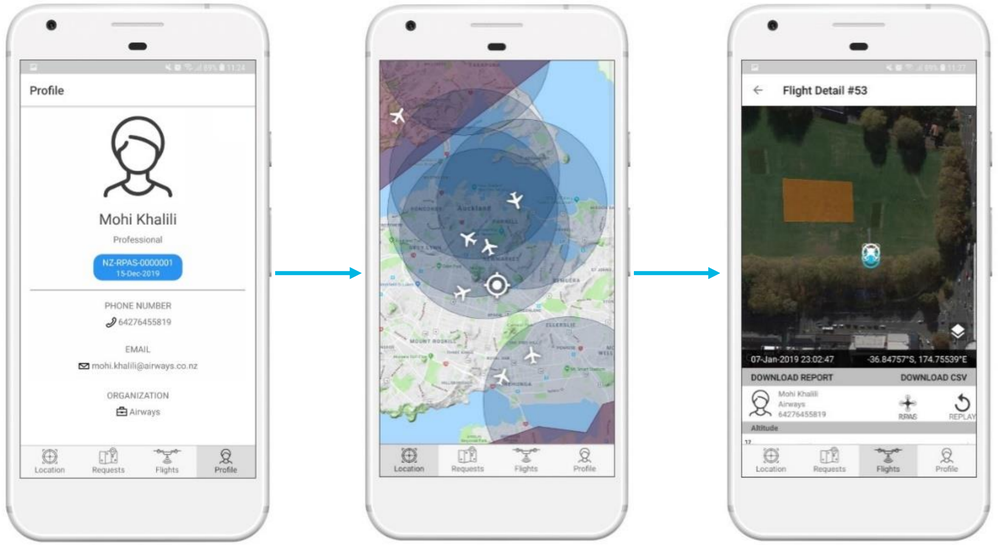
- Enables beyond-visual-line-of-sight operations
- Humanitarian and commercial operations
- Optimal procedures and routes to fly

BVLOS OPERATIONS



AIRSPACE PROCEDURES

UAV AIRSPACE MANAGEMENT



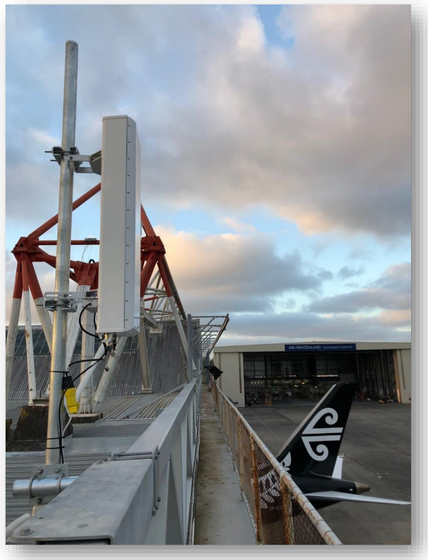
Flight information service across controlled and uncontrolled airspace:

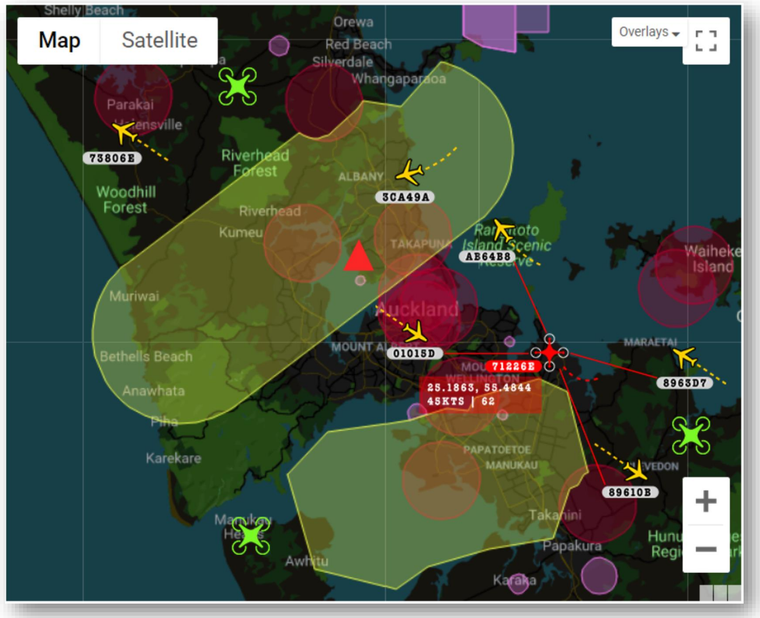
- Airspace maps/ rules
- Controlled airspace integration/separation
- Live flight monitoring
- Land owner maps/ rules
- Situational awareness
- NOTAM, obstacle data

AERODROME SAFETY

Goal: **Identify potential illegal drones in/near the control zone**

- Radar able to detect drones from 10 km out and aircraft out to 30 km.
- RF Sensors able to confirm drone range and track.
- Integrate with AirShare UTM to determine cooperative/non.

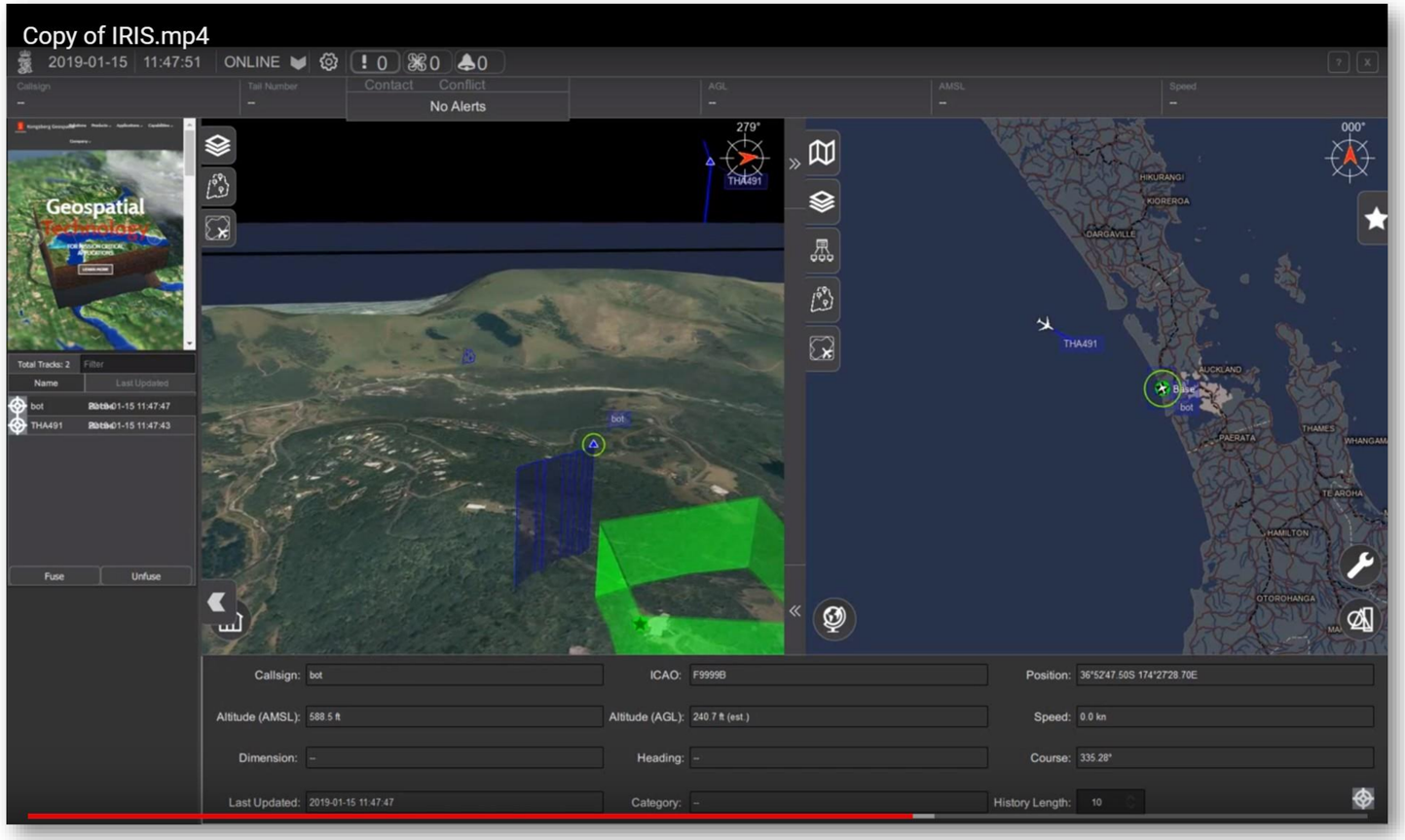


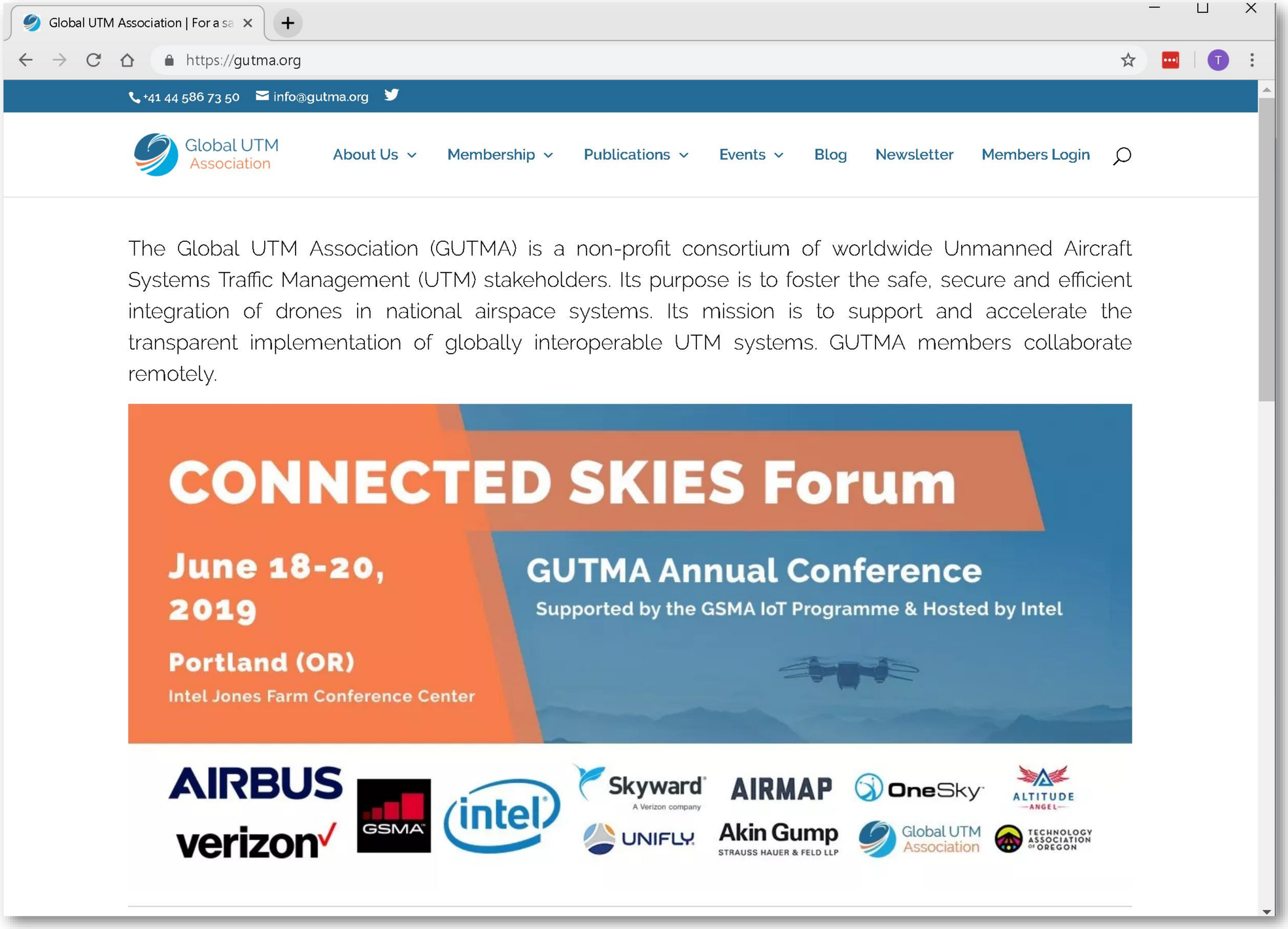


UAV INFRASTRUCTURE

Goal: **Lay the foundation to enable safe and efficient beyond-visual-line-of-sight operations**

- Bethells Beach trial testing usability of technology to enable BVLOS operations.
- ADS-B and LTE devices being tested for C2 (command and control) and DAA (detect and avoid).

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The Global UTM Association (GUTMA) is a non-profit consortium of worldwide Unmanned Aircraft Systems Traffic Management (UTM) stakeholders. Its purpose is to foster the safe, secure and efficient integration of drones in national airspace systems. Its mission is to support and accelerate the transparent implementation of globally interoperable UTM systems. GUTMA members collaborate remotely.
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