

Birdstop, Inc.

Headquarters
200 Walker Street,
Detroit, MI 48207

Birdstop West Coast
280 Buchanan Field Road, Ste 1
Concord, CA 94520

Birdstop Southeast
280 Oxmoor Cir, Ste 1109
Homewood, AL 35209

www.birdstop.io



Aviation Advisory Committee Briefing

November 13, 2025



BACKGROUND

Founded in 2019 in San Francisco to build technology for safe and effective usage of low altitude airspace



BYRON AIRPORT TESTING

Birdstop started its
flight testing program
at Byron Airport in
2020



BUCHANAN FIELD AIRPORT OFFICE

By 2021, Birdstop established its office at Buchanan Field Airport for daily testing and close partnership with the BATS program



LOW ALTITUDE AIRSPACE DATA

Birdstop significantly honed its optical and acoustic airspace monitoring systems with data from Byron and Buchanan Field



FAA APPROVALS

The work with BATS has been instrumental to the industry leading FAA waivers that Birdstop received

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

CERTIFICATE OF WAIVER

ISSUED TO
Birdstop, Inc.
Responsible Person: Keith Miao
Waiver Number: 107W-2022-00349

ADDRESS--
280 Buchanan Field Rd
Ste 1
Concord, CA 94520

This certificate is issued for the operations specifically described hereinafter. No person shall conduct any operation pursuant to the authority of this certificate except in accordance with the provisions contained in this certificate.

OPERATIONS AUTHORIZED
Small unmanned aircraft system (sUAS) operations beyond the visual line of sight of the remote pilot in command (PIC) in lieu of a Visual Observer (VO) for small unmanned aircraft system (sUAS) operations in which a participating Visual Observer (VO) is required by 14 CFR 91.107(b)(1).

LIST OF WAIVED REGULATIONS BY SECTION AND TITLE
14 CFR 91.107(b)(1)—Visual line of sight aircraft operation, and 107.33(b) & (c)(2)—Visual observer

STANDARD PROVISIONS
1. A copy of the application made for this certificate shall be attached to and become a part hereof.
2. This certificate shall be presented for inspection upon the request of any authorized representative of the Administrator of the Federal Aviation Administration, or of any State or municipal official charged with the duty of enforcing local laws or regulations.
3. The holder of this certificate shall be responsible for the strict observance of the terms and provisions contained herein.
4. This certificate is nontransferable.
NOTE—This certificate constitutes a waiver of those Federal rules or regulations specifically referred to above. It does not constitute a waiver of any State law or local ordinance.

SPECIAL PROVISIONS
Special Provisions Nos. 1 to 36, inclusive, are set forth on the attached pages.
This Certificate of Waiver is effective from December 23, 2022, to December 31, 2026, and is subject to cancellation at any time upon notice by the Administrator or an authorized representative.

BY DIRECTION OF THE ADMINISTRATOR
JOSEPH F MORRA
General Aviation and Commercial Division, AFS-800

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

CERTIFICATE OF WAIVER

ISSUED TO
Birdstop, Inc.
Responsible Person: Keith Miao
Waiver Number: 107W-2024-04476A

ADDRESS--
280 Buchanan Field Rd Ste 1
Concord, CA 94520

This certificate is issued for the operations specifically described hereinafter. No person shall conduct any operation pursuant to the authority of this certificate except in accordance with the provisions contained in this certificate.

OPERATIONS AUTHORIZED
Small unmanned aircraft system (sUAS) operations beyond the visual line of sight of the remote pilot in command (PIC); Acting as a remote pilot in command (PIC) or visual observer (VO) in the operation of more than one small unmanned aircraft (sUA) at the same time.

LIST OF WAIVED REGULATIONS BY SECTION AND TITLE
14 CFR 91.107.31—Visual line of sight aircraft operation, and 107.35—Operation of multiple small unmanned aircraft systems

STANDARD PROVISIONS
1. A copy of the application made for this certificate shall be attached to and become a part hereof.
2. This certificate shall be presented for inspection upon the request of any authorized representative of the Administrator of the Federal Aviation Administration, or of any State or municipal official charged with the duty of enforcing local laws or regulations.
3. The holder of this certificate shall be responsible for the strict observance of the terms and provisions contained herein.
4. This certificate is nontransferable.
NOTE—This certificate constitutes a waiver of those Federal rules or regulations specifically referred to above. It does not constitute a waiver of any State law or local ordinance.

SPECIAL PROVISIONS
Special Provisions Nos. 1 to 38, inclusive, are set forth on the attached pages.
This Certificate of Waiver is effective from November 23, 2020, to November 30, 2024, and is subject to cancellation at any time upon notice by the Administrator or an authorized representative.

BY DIRECTION OF THE ADMINISTRATOR
EVERETTE C ROCHON JR
General Aviation and Commercial Division, AFS-800



Confidential and Proprietary

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COMMERCIAL DEPLOYMENT

Birdstop systems are now deployed across the country – from Alaska to Florida – and the first overseas systems are operational as well



RAPID RESPONSE

With Birdstop, public safety and emergency services can get eyes on scene in under 60 seconds

Public safety national average response time is ~10 minutes

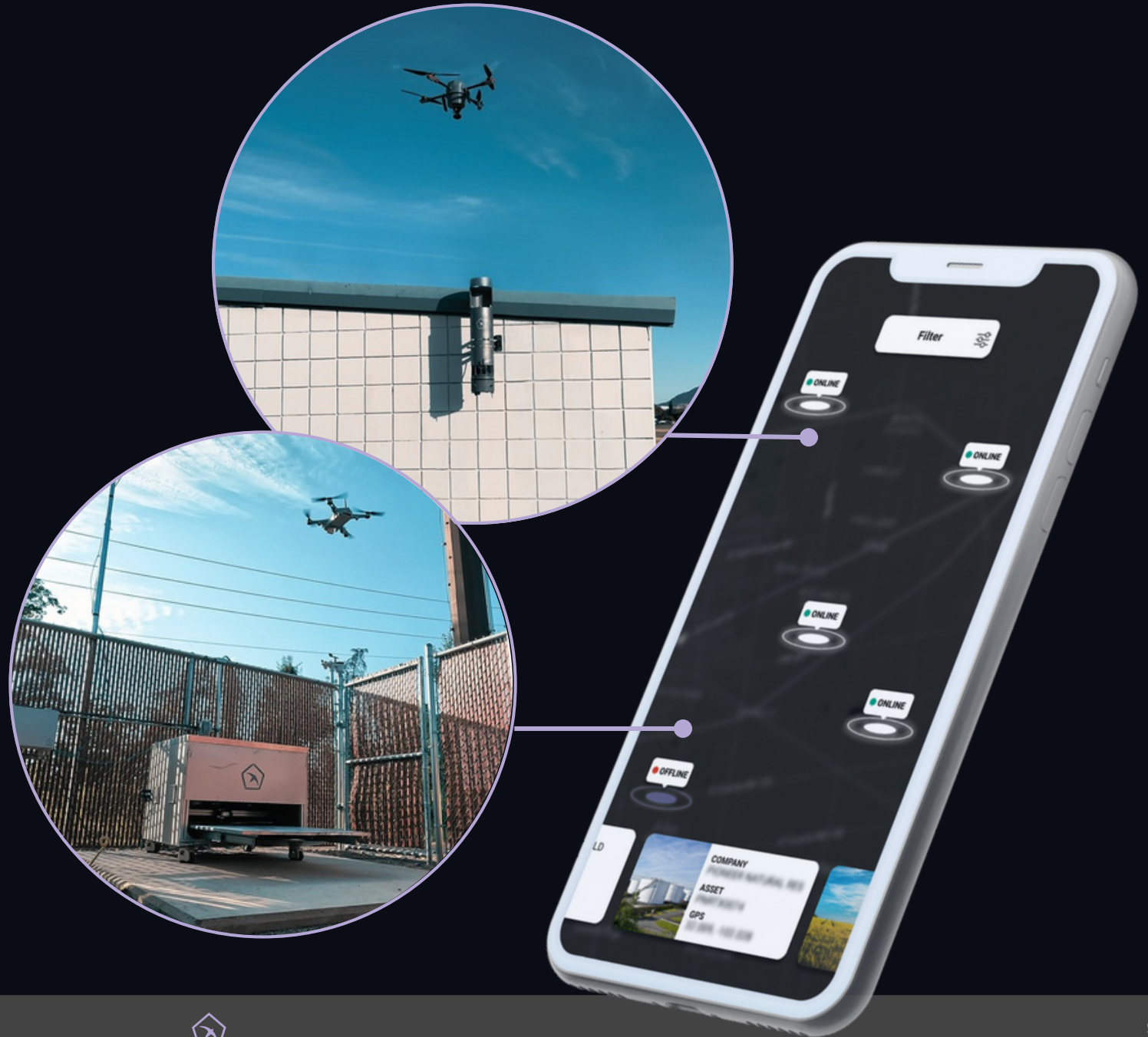
Source: US Department of Homeland Security



DRONE CONSTELLATION

Birdstop network
installs at strategic
locations to deploy
drones on-schedule
and on-demand

Patent No. US11355021
Patent No. US11978230



USER EXPERIENCE

Ability to place a CCTV camera up to 400' in the air at the tap of a button anywhere on the map

Operated like pan-tilt-zoom cameras, giving ops centers and field officers an experience they already know

Operations Center / Crime Center



32 miles away



Incident Response

LOOKING AHEAD

Scaling up manufacturing
to meet and exceed the
specs of national security
(NDAA) and aviation law
(FAA)

