

PROTECTING THE SKIES IN THE DRONE

ERA

Brendan Schulman VP of Policy & Legal Affairs, DJI

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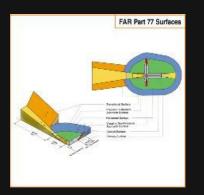
ICAO Drone Enable 3 November 13, 2019



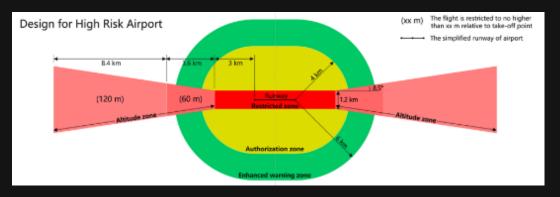
MILLIONS OF DRONES ARE OPERATED SAFELY

CONSUMER TECHNOLOGY ASSOCIATION: 3.4 million drones forecast to be sold in 2019 in the United States

Geofencing









Geofencing Altitude limitation



Geofencing
Altitude limitation
Return to home

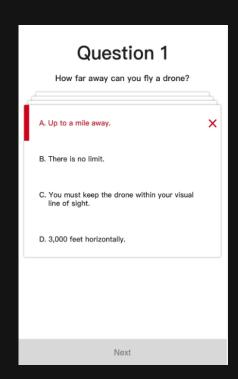


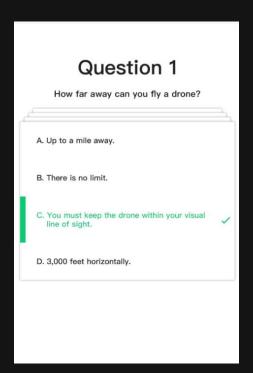


Geofencing
Altitude limitation
Return to home
Obstacle sensing



Geofencing
Altitude limitation
Return to home
Obstacle sensing
Knowledge Quiz







Geofencing
Altitude limitation
Return to home
Obstacle sensing
Knowledge Quiz
AeroScope Remote ID







AT LEAST 30,000 HOURS OF WORK ON SAFETY FEATURES **SINCE 2017**

Aviation accidents and safety

+ Add to myFT

Drone risk to aircraft is rising sharply, UK safety experts warn

Number of times a drone endangered safety in British airspace increased by third last year



Virgin Atlantic jet carrying 264 passengers 'came within SECONDS of crashing into two drones at 14,000ft as it approached to land at Heathrow'

- Virgin Atlantic jet had a shocking near-miss with two drones flying over Essex
- A report says a drone appeared to veer away at the last second to avoid collision

\equiv Fox45Now





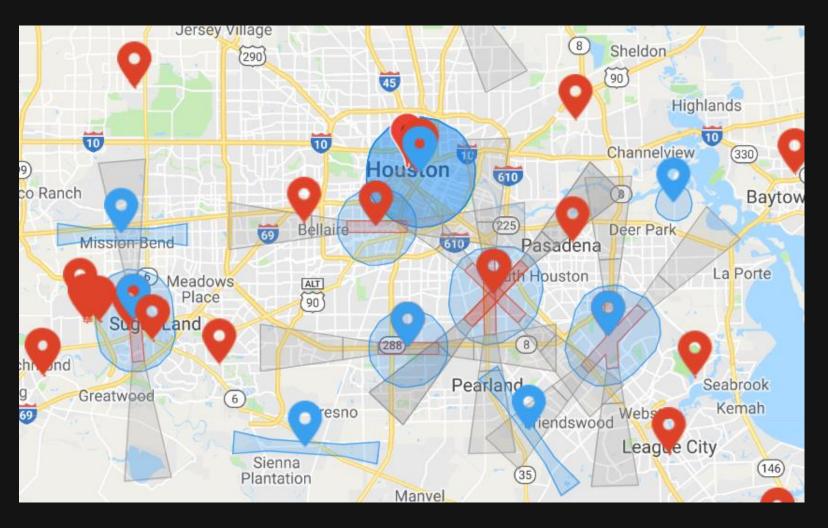
Xenia police use a drone to save a 90-year-old woman's life

by Danielle Malagarie Friday, April 5th 2019











FAA Drone Sightings Data EASA Database UK Airprox Reports









Bat, not drone, blamed for light plane collision during landing at Parafield Airport

By Isabel Dayman

Updated 21 Jul 2017, 2:27am

A light plane most likely hit a bat when coming in to land at Adelaide's Parafield Airport and not a drone as first thought, the Australian Transport Safety Bureau (ATSB) has said.

Earlier this month, a pilot reported hitting what he thought was a drone when landing at the airport in Adelaide's northern suburbs.

"After landing, the instructor conducted an inspection of the aircraft and found minor damage to the right wing," the ATSB said in a statement on its website.



PHOTO: A pilot reported hitting when landing, (ABC News; Na

♠ News

Drone believed to have hit British Airways flight 'may have been a plastic bag'









Drone sighting that was actually a balloon delays

15 Apr, 2018 9:22pm

NEW ZEALAND



Auckland air traffic





Menu









TRANSPORT

Drone caused me to crash my plane, Rod Vaughan says

From Checkpoint, 5:09 pm on 29 March 2018















Listen 5' 27"

Playlist | Download

Rod Vaughan's plane crash not caused by drone - CAA

01/04/2019

Dan Lake



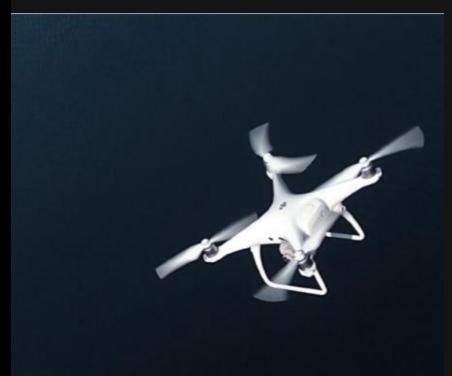












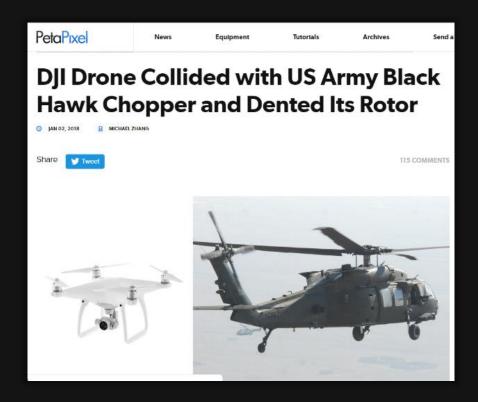










Figure 2 : Débris du drone impliqué dans la collision





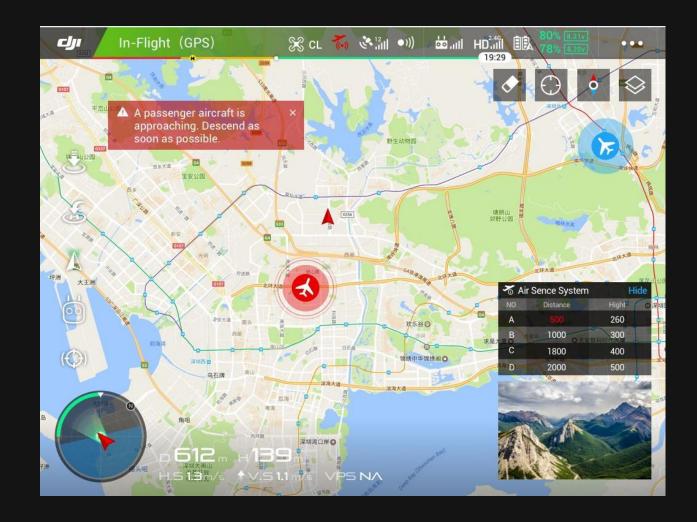
Helicopter Nearly Collides With Drone Off Hollywood







AIRSENSE

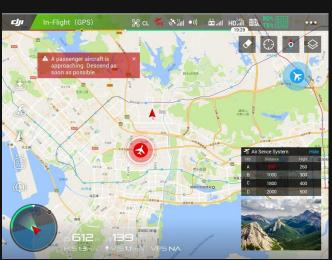


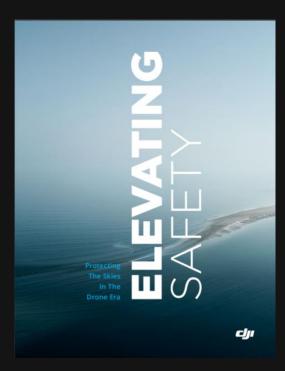


DJI WILL INSTALL ADS-B RECEIVERS

IN EVERY NEW DRONE MODEL

ABOVE 250 GRAMS
STARTING IN 2020





Download at: dji.com/flysafe

DJI will install AirSense ADS-B receivers in all new drones above 250 grams Governments must require remote identification

DJI will develop a new automatic warning for drone pilots flying at extended distances

Governments must require a user-friendly knowledge test for new drone pilots

- DJI will establish an internal Safety Standards Group to meet regulatory and customer expectations
- Governments must clearly designate sensitive restriction areas

- Aviation industry groups must develop standards for reporting drone incidents
- Local authorities must be allowed to respond to drone threats that are clear and serious

- All drone manufacturers should install geofencing and remote identification
- 10 Gove

Governments must increase enforcement of laws against unsafe drone operation

DJI COMMITMENTS

1 AirSense ADS-B In All Drones Starting 2020



DJI COMMITMENTS

1

AirSense ADS-B In All Drones Starting 2020

2 Flight Distance Warning



DJI COMMITMENTS

1

AirSense ADS-B In All Drones Starting 2020

2

Group

Flight Distance Warning

3 Enhanced and Expanded Safety Standards



4

Aviation Safety Groups Must Develop Standards for Reporting Drone Incidents



INDUSTRY AND COMMUNITY

4

Aviation Safety Groups Must Develop Standards for Reporting Drone Incidents

5

All Manufacturers Should Install Geofencing and Remote ID



6 Governments Must Require Remote ID



6 Governments Must Require Remote ID

Governments Must Require Knowledge Testing



6 Governments Must Require Remote ID

Governments Must Require Knowledge Testing

8
Governments Must Designate Sensitive Areas



9 Local Authorities Must Be Able to Respond to Serious Threats



9

Local Authorities Must Be Able to Respond to Serious Threats

10

Governments Must Increase Enforcement of Laws



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TELL US WHAT MORE WE CAN DO

OUR NEXT OPPORTUNITIES

Leverage existing ADS-B technologies on board traditional aircraft, which are more affordable and easier to install than ever before.

Join us at our Remote ID demo tomorrow morning at 8:00 am, at Parc Bonaventure, a three minute walk from here.



REMOTE ID STANDARD

Demo

8-8:30 am Wednesday, November 13

8

8-8:30 am Thursday, November 14

All Drone Enable 3 attendees are invited to the DJI demonstration at Bonaventure Park, a short three-minute walk from ICAO Headquarters.

