

STOP UNAUTHORIZED DRONES

An airspace security platform that detects, classifies, and mitigates all drone threats.



BE PREPARED FOR AERIAL THREATS

“Drones have given people the ability to go places where they have never been before and at times, circumnavigate traditional physical and cyber security installations.”

JOHN CHAMBERS, EXECUTIVE CHAIRMAN OF CISCO
AND DEDRONE INVESTOR

**Drone crash cuts power to
1,600 PG&E customers in
Mountain View**

SILICONBEAT

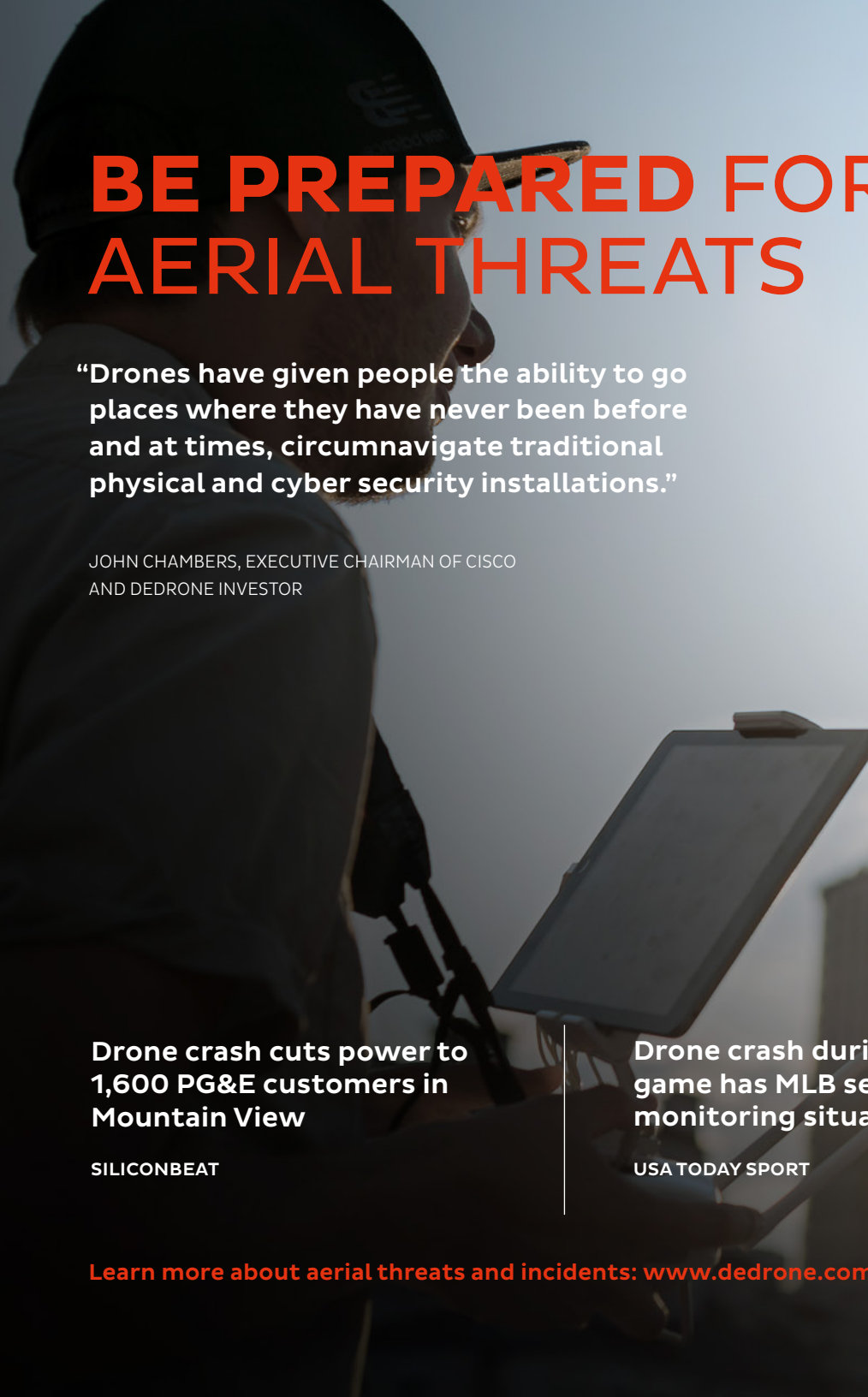
**Drone crash during Padres
game has MLB security
monitoring situation**

USA TODAY SPORT

**Tesla's Production Problems
Spawn a Legion of Model 3
Stalkers**

Bloomberg

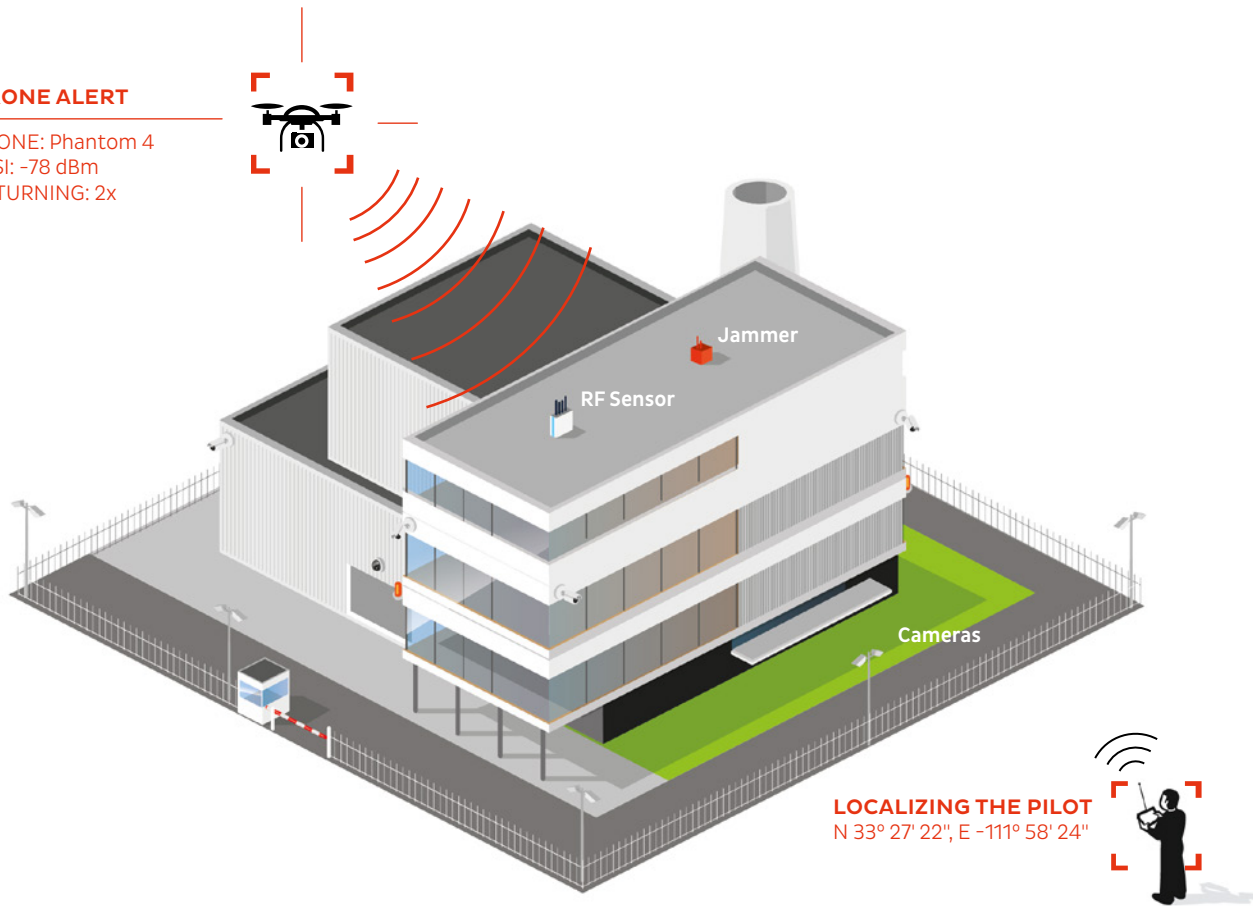
Learn more about aerial threats and incidents: www.dedrone.com/blog



What can you do about drone threats?

DRONE ALERT

DRONE: Phantom 4
 RSSI: -78 dBm
 RETURNING: 2x



Dedrone's Airspace Security Platform

The Dedrone solution is designed to detect, classify, and localize drone-based threats. The unique, software-centric platform identifies approaching drones by means of radio frequency, visual, radar, and other sensor data. Software

analysis of sensor data reliably classifies approaching drones, finds their locations, and triggers alarms to alert security staff. Third-party devices, such as surveillance cameras, radar, jammers, or other countermeasures, can be integrated.



Multiple Threats to Un-Monitored Airspace

!	Espionage
!	Terrorist activities
!	Smuggling
!	Hacking
!	Unauthorized surveillance
!	Vandalism

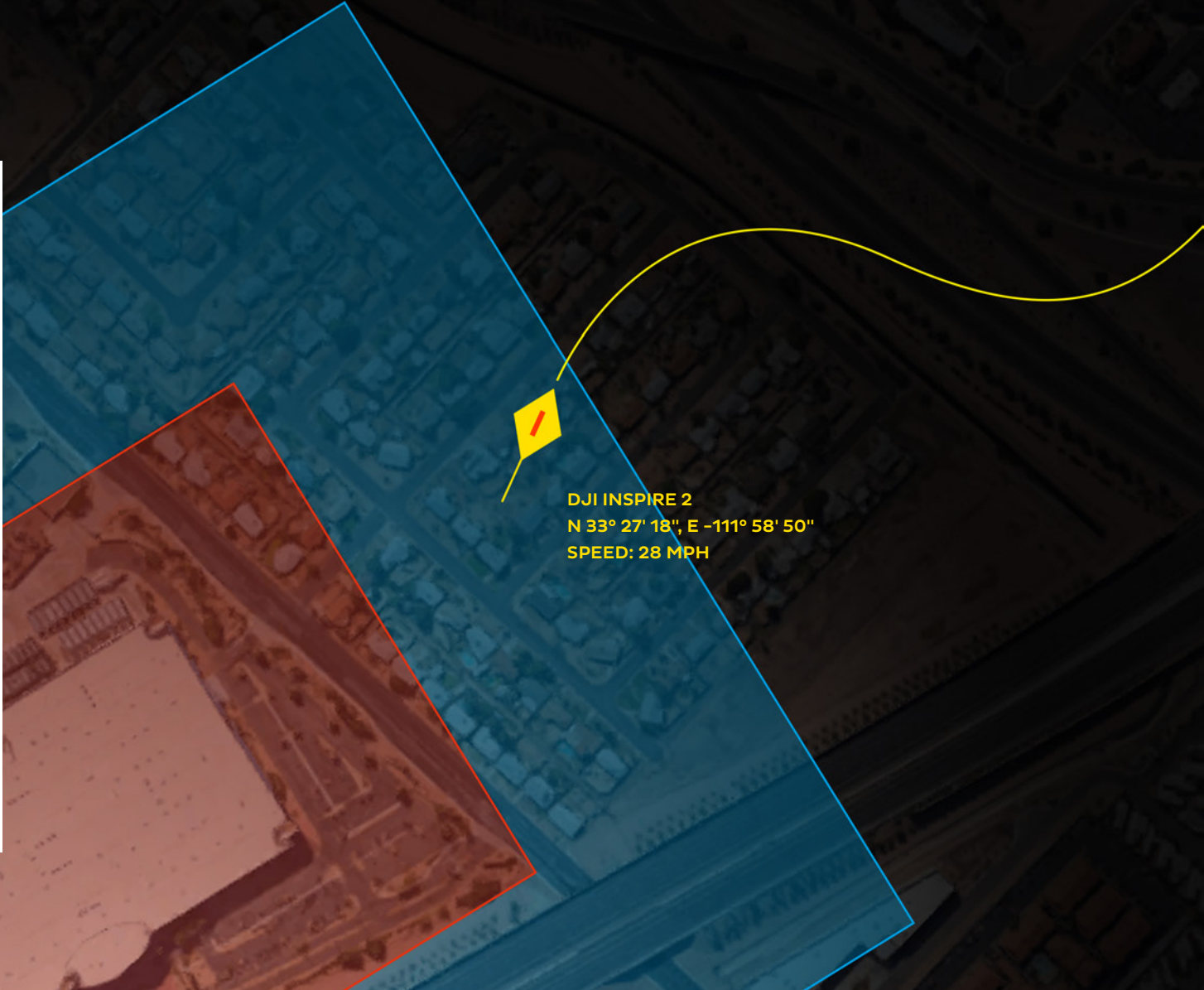
Vulnerabilities in Physical and Cyber Security Infrastructure

✓	Utilities
✓	Stadiums & Arenas
✓	Government & Defense
✓	Airports
✓	Prisons
✓	Data Centers & Corporations
✓	Public Events

COMPLETE SOLUTION TO PROTECT AGAINST UNAUTHORIZED DRONES

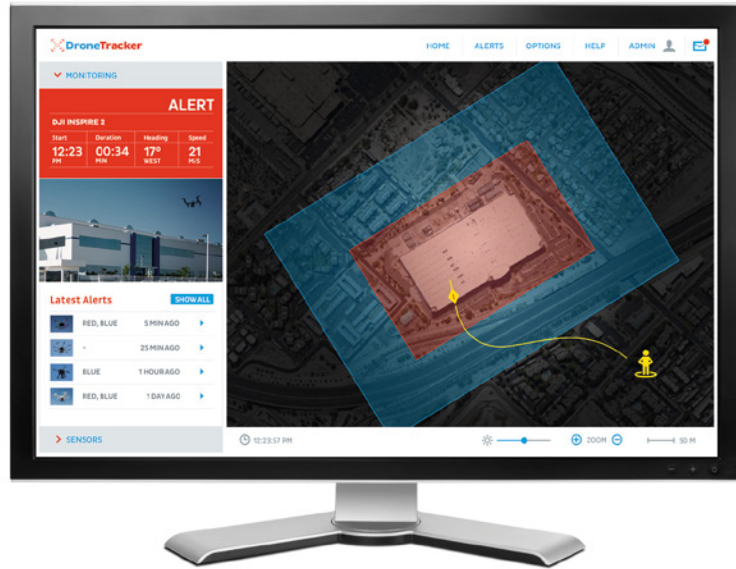
BENEFITS

- ✓ Wide-area detection and early warning
- ✓ Integrated alarms and notifications
- ✓ Automated summary reporting
- ✓ Continually-updated drone database
- ✓ Automated push to 3rd party APIs
- ✓ Scalable and customizable for any site
- ✓ Captures and stores forensic evidence



DJI INSPIRE 2
N 33° 27' 18", E -111° 58' 50"
SPEED: 28 MPH

Extensible, Multi-Sensor Architecture



DroneTracker Software

User interface and sensor data aggregation

Router / Firewall



PoE+ Switch



Internet



Dedrone Analytics Server

Video analysis and deep learning



RF Sensor

Detection, classification, and localization



Pan-Tilt-Zoom Camera

Localization, video verification, and forensic evidence (3rd-party)



Fixed Camera

Localization, video verification, and forensic evidence (3rd-party)



Radar

3D localization, long-range detection (3rd-party)





INTEGRATE COUNTERMEASURES TO MITIGATE DRONE THREATS

ALERT SECURITY

- Integrate into building management system
- Sound alarm, send alerts, page guards

ACTIVE MEASURES

- Jam radio connection, jam/spoof GPS
- Take physical anti-drone measures

PASSIVE MEASURES

- Lead people to safety
- Block view, lower window blinds
- Lock doors and gates
- Search site for dropped objects and pilot

Customer Success Stories

Read more: www.dedrone.com/customers



ANTI-DRONE TECHNOLOGY INSTALLED TO PROTECT WORLD LEADERS

Case	47 th , 48 th Annual Meetings WEF
Country	Davos, Switzerland
Deployment	January 2017, January 2018
Threat	Espionage, Attacks

“The early detection of drones and possible drones threats is an important component of our security infrastructure. Dedrone offers a mobile solution that is tailored to our needs.”

Spokesperson,
Kantons Polizei Graubünden



DEDRONE PROTECTS AUTOMOBILE PROTOTYPES FROM ESPIONAGE

Case	Volke – Automobile Design
Country	Wolfsburg, Germany
Deployment	December 2016
Threat	Corporate Espionage

“Dedrone’s cost-efficient and effective drone detection software platform enables us to protect our newest automobile prototypes from industrial espionage and snooping photographers.”

Guido Naujoks,
Volke



DEDRONE TECHNOLOGY STOPS CONTRABAND DELIVERIES

Case	Department of Corrections
Country	Georgia, USA
Deployment	December, 2017
Threat	Smuggling

“As we continue to remain diligent at preventing contraband from entering our facilities, technological devices like the DroneTracker assist us in our efforts.”

Gregory C. Dozier,
Commissioner



Distributed in Australia by:

Southern Cross Drones Pty Ltd

101 Miller Street, L32
North Sydney, NSW 2060

T: 02 9953 8366

E: info@southerncrossdrones.com

W: www.coutherncrossdrones.com

► **Dedrone Inc. (HQ)**
1099 Folsom Street
San Francisco, CA 94103
USA

+1 415 813-6116
info@dedrone.com
www.dedrone.com

► Miramstraße 87
34123 Kassel
Germany
+49 561 861799-0

► 45662 Terminal Dr.
Sterling, VA 20166
USA
+1 571 266-1793

COMPANIES OF ALL SIZES TRUST DEDRONE TO KEEP THEIR AIRSPACE SAFE



VOLKE



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