



Humboldt
County
Sheriff's
Office
Automated
License Plate
Reader (ALPR)
Program

Using Best Practices to
Protect Public Safety,
Privacy, Civil Rights,
and Civil Liberties



Automated License Plate Reader (ALPR) Technology

- Assists law enforcement by automating previously manual processes to improve efficiency, effectiveness, and accountability.



ALPR – Two Primary Use Cases

Instant feedback alerts

- Stolen vehicle
- Stolen license plate
- Amber Alert
- Wanted persons

Investigative use of retained information

- Canvas of crime scene
- Locate suspects, victims, witnesses for criminal investigations
- Complete partial/incomplete

Typical Value to Agency

Decrease in reportable crimes, including burglary, armed robbery, and other serial criminal activity.

Increase in vehicle recovery, especially "rolling recovery" - leading to arrests or additional crime reduction

Provides criminal investigative leads, acting as a pointer system that improves the efficient use of limited investigative law enforcement resources.

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- Allows law enforcement to focus patrol resources on vehicles suspected of being associated with known criminal activity rather than random patrol

Privacy Concerns regarding ALPR

Who
has
access
to
data?

Approved law enforcement
purposes only (e.g. locate
stolen vehicles, Amber
Alerts, etc)

All use logged and audited

Privacy Concerns regarding ALPR

Who has access to data?

State, city, county, or any agency or political subdivision of the state or a city, county, or city and county law enforcement agency personnel that agree to use policies: peace officers, agents, analysts, dispatchers, and the law enforcement IT personnel that manage the system.

Privacy Concerns regarding ALPR

Who
Does
Not
have
access
to
data?

Federal and out of state law enforcement agency personnel.

No data is given to, and no access is provided, to the public.

ALPR Data Retention

ALPR records retention in California varies depending on agency requirements with many agencies retaining data between 30 days to 2 years depending on each agency's policy and records retention requirements.



HCSO Policy is to retain raw data for 30 days.



At the expiration of the data retention policy the ALPR data is purged unless the data has become, or it is reasonable to believe that it will become, evidence in a criminal or civil action or is subject to a lawful action to produce records. In those circumstances data should be downloaded from the server into a portable media and booked into evidence.

Senate Bill 34 – STATE LAW regarding ALPR

- Emphasizes transparency and policy with ALPR systems
- HCSO must have publicly-viewable (e.g. posted on agency website) privacy and utilization policies which cover:
 - Who has access to the system
 - For what purposes utilization is authorized
 - Sharing rules around dissemination
 - Audit and quality control procedures to verify accuracy of information and proper utilization
 - Lifespan of data retention (though no specific limitations)
- Any breach of stored information must be disclosed to the public or affected parties
- HCSO Must provide an opportunity for public comment before implementing an ALPR program.

Senate Bill 34

Data Security

Maintain reasonable security procedures and practices, including operational, administrative, technical, and physical safeguards, to protect ALPR information from unauthorized access, destruction, use,

Why Flock Safety?



**Eliminate crime and shape a
safer future, together.**

What we observe: the current reality

- Limited Police Resources
- Crime is on the rise
- Trust is needed more than ever

What we believe: the opportunity

- Technology multiplies the force
- Capture and distribute objective evidence to the right user

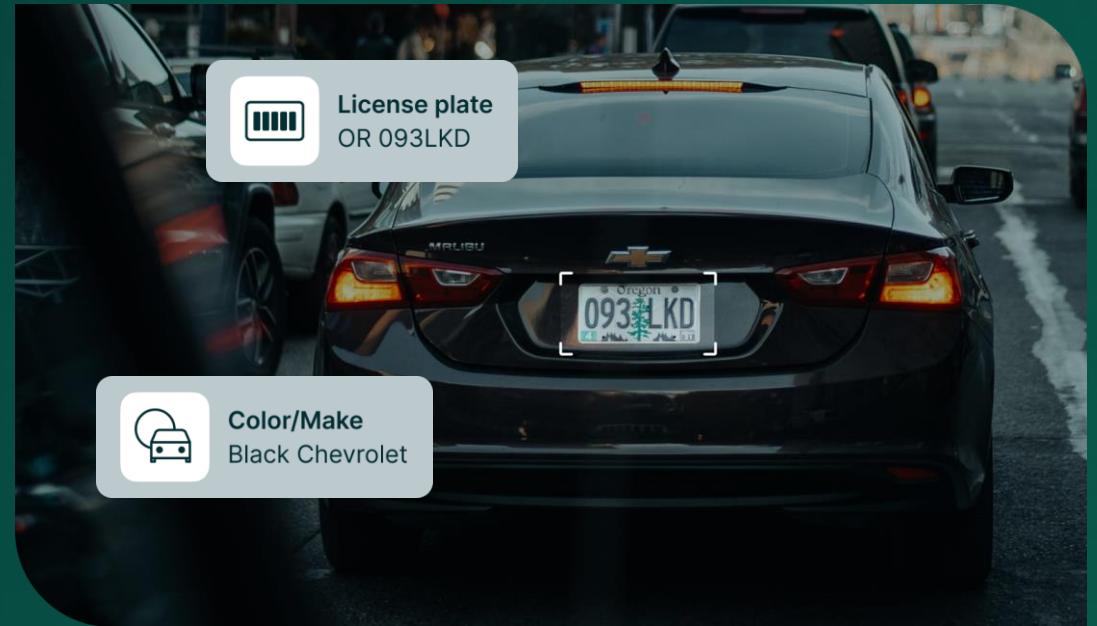
Engage community to support and grow



How does the
technology
work?



Flock Safety provides indiscriminate photo evidence from fixed locations. A Picture is taken from rear of vehicle. Capturing License Plate information / Vehicle Description. License Data is automatically run through the California Law Enforcement Telecommunications System



INFRASTRUCTURE-FREE

Reduce time to value and utility costs with full-service deployment.



24/7 COVERAGE

Capture objective vehicle data around the clock to multiply your force.



REAL-TIME ALERTS

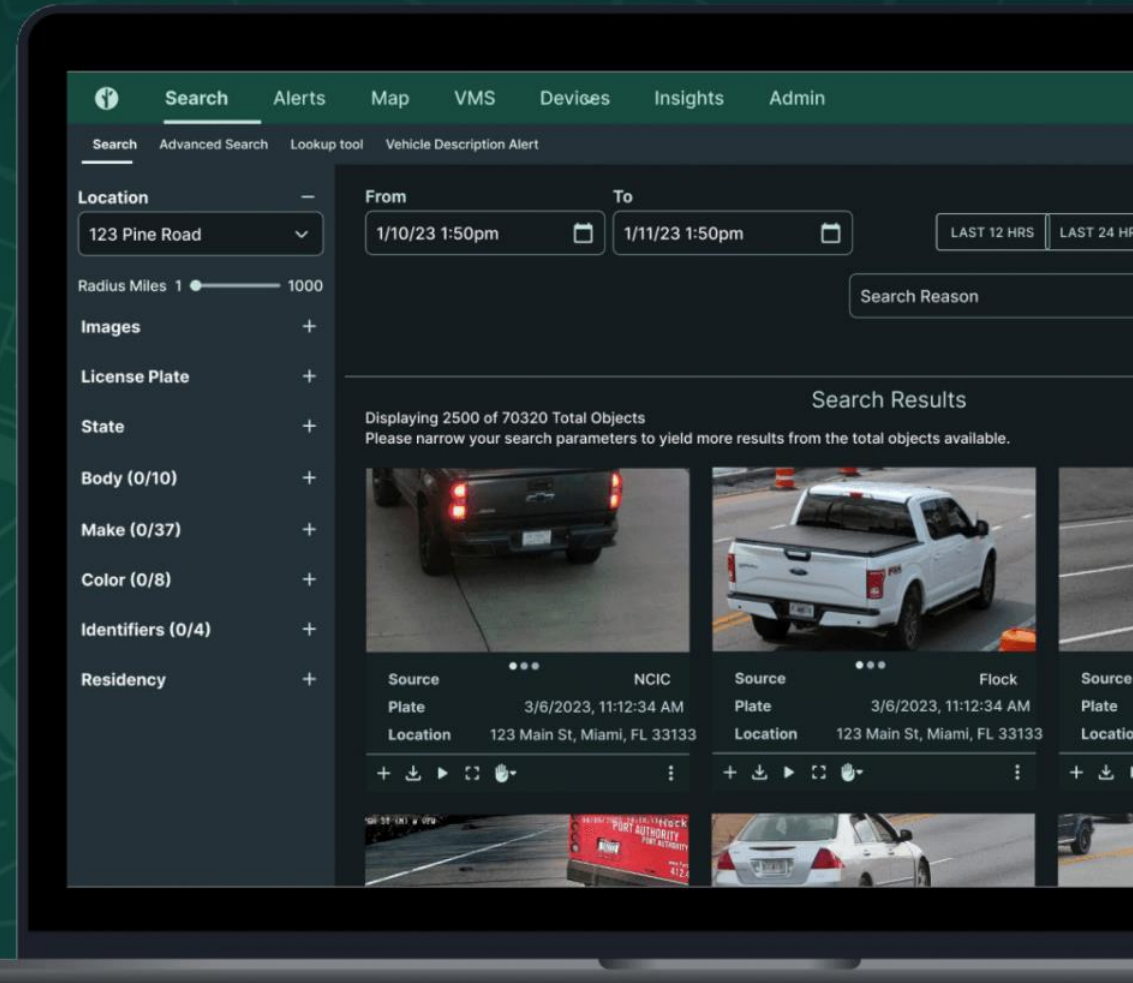
- NCIC
- NCMEC (Amber Alert)
- Custom Hot Lists



Ethically Made

- No people
- No facial recognition
- No traffic enforcement
- Indiscriminate evidence

Deputies access data through flock database



What this IS

License plate recognition

Gathers objective evidence and facts about vehicles, not people

Alerts Sheriff's Office of wanted vehicles

Used to solve crime

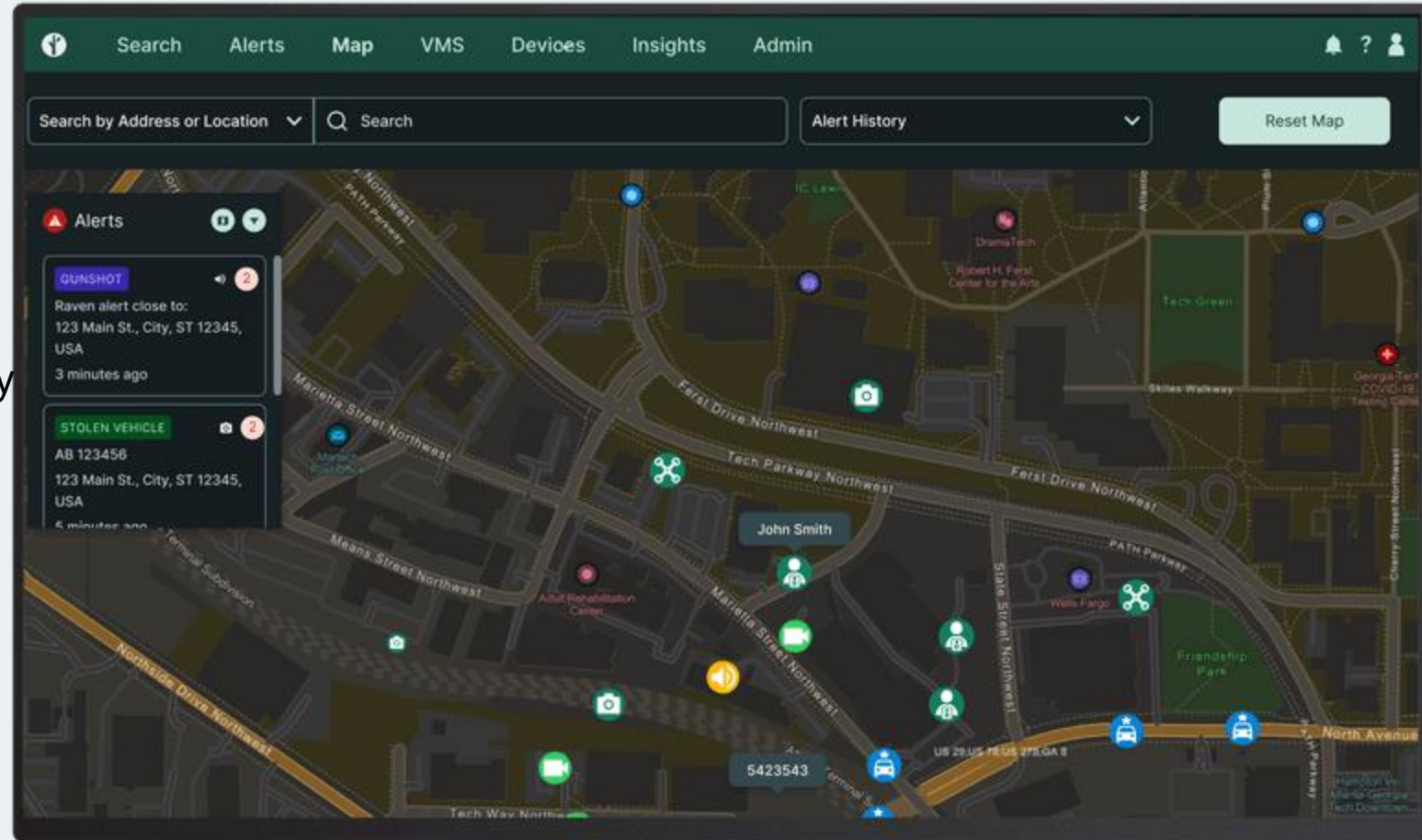
Adheres to all state laws

What this is NOT

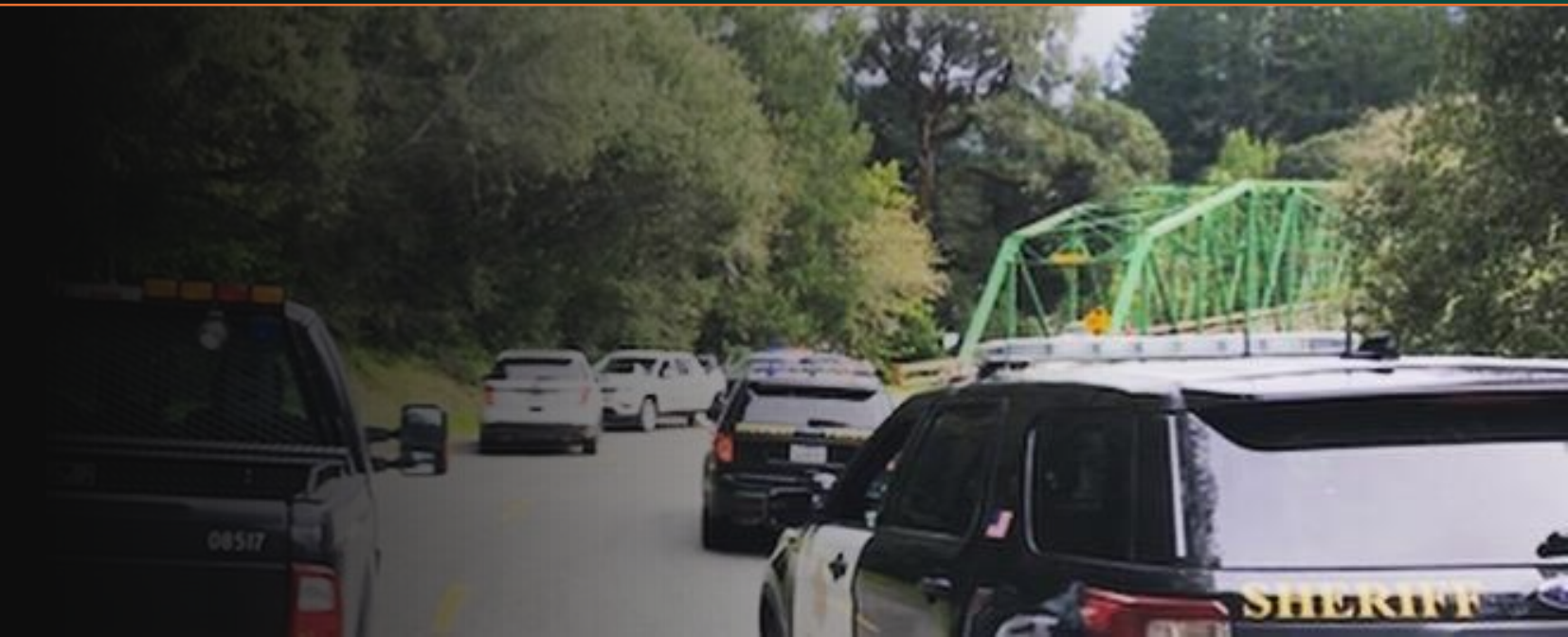
- Not facial recognition
- **Not tied to Personal Identifiable Information**
- Not used for traffic enforcement
- **Data not stored beyond 30 days → *automatically deletes every 30 days***

How does this technology prevent and eliminate crime?

- **Proactive:** Real time Alerts when stolen or wanted vehicles enter your city
- **Investigative:** As clearance Rates increase, crime rates decrease
- Flock cameras serve as a **deterrent**



Mitigating Risk



Protecting Privacy

- **Footage owned by HCSO and will never be sold or shared by Flock**
- 30 day data retention, then deleted
- Short retention period ensures that all data not associated with a crime is automatically deleted & unrecoverable
- **Takes human bias out of crime-solving by detecting objective data, and detecting events that are objectively illegal (ex. Stolen vehicles)**

All data is stored securely in the AWS Cloud, and end to end encryption of all data

- **Search reason is required for audit trail**
- NOT facial recognition software
- NOT predictive policing
- NO PII is contained in Flock
- **NOT used for traffic enforcement**
- Not connected to registration data or 3rd party databases (Carfax, DMV)
- Transparency Portal (optional)

Transparency + Insights

Measure the return on investment and promote the ethical use of public safety technology

Transparency Portal

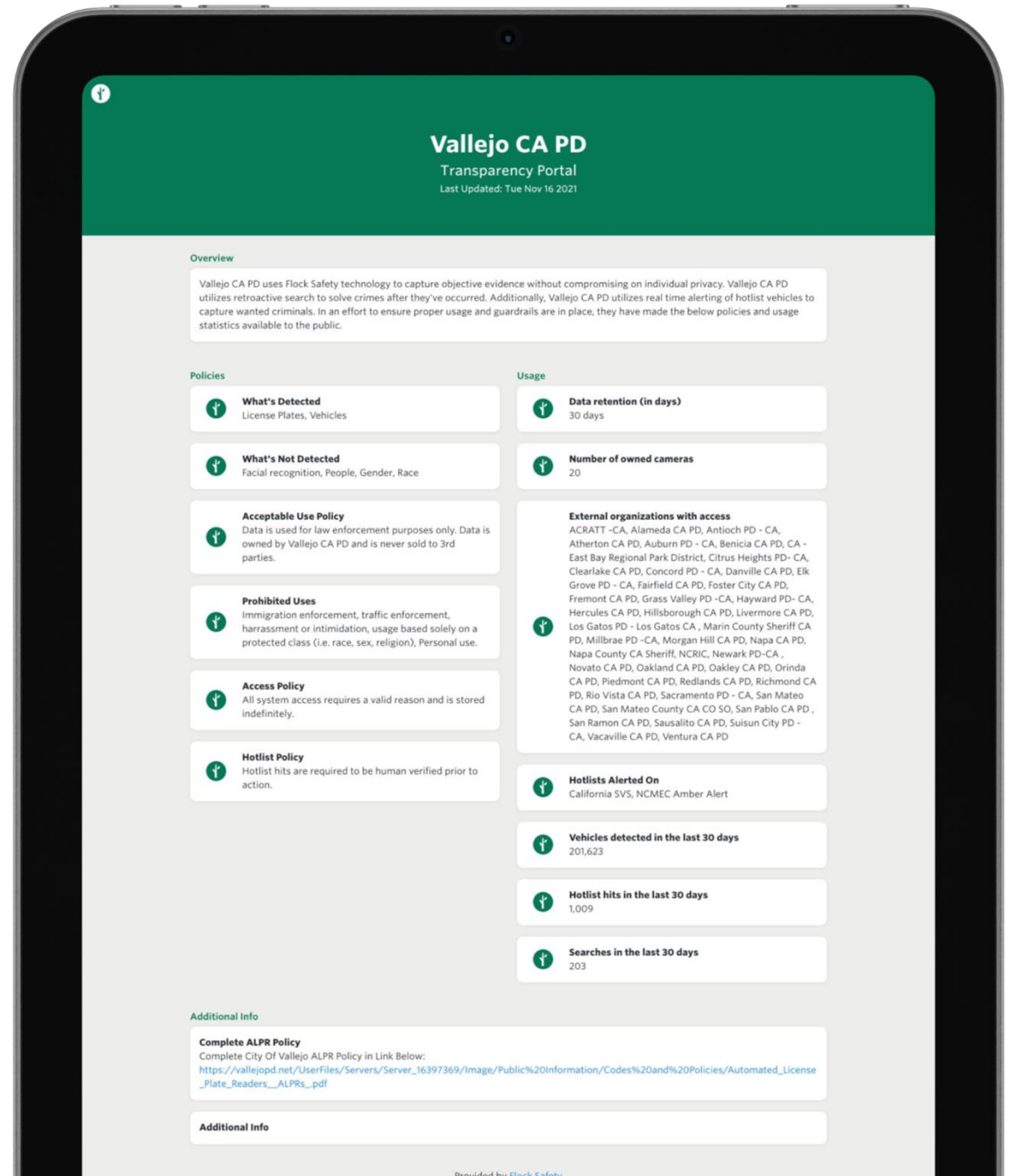
- Customizable for each agency
- Display technology policies
- Publish usage metrics
- Share downloadable Search audits

Insights Dashboard

- Measure crime patterns and ROI
- Audit Search history

Examples

- [Vallejo PD](#)



Already solving and preventing crime



Flock Safety In California

Plus, many more
commercial and
private customers

City of La Quinta

Riverside County SO

City of Moreno Valley

Santa Maria PD

San Jose PD

Vallejo PD

El Centro PD

Alameda County SO

City of Palm Desert

City of Rancho Mirage

City of La Puente

Elk Grove PD

Vacaville PD

Chino PD

City of Eastvale

Ontario PD

El Monte PD

Concord PD

San Mateo County SO

Corona PD

Oroville PD

City of Lake Forest

City of Temecula

Culver City PD

Morgan Hill PD

Alhambra PD

City of Lancaster

Tracy CA PD

Hemet PD

City of Fairfield

Benicia PD

Redlands PD

San Leandro PD

Placer County SO

Beverly Hills PD

City of San Clemente, CA

El Cerrito PD

City of Salinas

City of Yorba Linda

El Cajon PD

City of Los Altos Hills

Riverside PD

City of La Canada

Flintridge

Piedmont PD

Gilroy PD

City of West Hollywood

Lompoc PD

City of San Ramon

San Joaquin County SO

Yuba County Sheriff's
Office

Seaside PD

Colton PD

City of Pico Rivera

San Marino PD

Alameda PD

City of Norco

Rocklin PD

Ventura County SO

Richmond PD

Glendora PD

Baldwin Park PD

Costa Mesa PD

Milpitas PD

Town of Danville

City of Santa Fe
Springs

West Covina PD

Atherton PD

City of Menifee

Hayward PD

Barstow PD

City of Dana Point

South San Francisco PD

Carmel By The Sea PD

San Mateo PD

Lake County Sheriff's
Office

Nevada County SO

Azusa PD

Desert Hot Springs PD

The Presidio Trust

Montclair PD

City of Stanton

Bakersfield PD

Flock cameras lead to arrest of Los Angeles serial killer

📍 Los Angeles, CA - Beverly Hills PD

- **November 2023.** Beverly Hills police officers arrested 33-year old Jerrid Joseph Powell for **four murders**, including three homeless men, and one LA resident.
- Police had a description of the suspect's vehicle after the three homeless victims were shot and killed during a three day period.
- When a Los Angeles County employee was found shot and killed following a robbery at his home, police **searched the Flock database** for vehicle photos from nearby Flock LPR cameras, which **led them to the suspect.** Beverly Hills Police made a traffic stop and arrested the suspect.
- **A firearm found in the vehicle was linked to all four murders.**



Hate Crime Targeting LA Synagogue



Cathedral City



Cathedral City,
CA

PD
Timeline

On February 16th, 4:15 PM, the Los Angeles Police Department put out the vehicle plate information of the suspect involved in two shootings at synagogues in their area.

Cathedral City PD received this information and ran the vehicle's plate in Flock and discovered that the suspect vehicle had entered Cathedral City.

A flyer with the suspect's information and vehicle description was sent out to patrol. Officers responded to a shot fired call at 5:24 PM and the synagogue shooter was on scene.

Officers recognized the suspect vehicle as the one from the flyer. Suspect was taken into custody.

Desert Sun.

CATHEDRAL CITY

After LA synagogue shootings, suspect tracked down, arrested in Cathedral City

28-year-old has a history of anti-Semitic threats and admitted to targeting Jewish men, FBI says

El Cajon Results



Timeline

- El Cajon PD Installed 40 LPR Cameras throughout their city.
- In the first few weeks of having some of their cameras installed they have arrested 2 adults and 4 juveniles in the possession of stolen vehicles.

LOCAL

East County license plate-reading cameras assist in stolen vehicle arrest

by: [Danielle Dawson](#)
Posted: Aug 12, 2023 / 05:24 PM PDT
Updated: Aug 12, 2023 / 07:47 PM PDT



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Case Study: Smash and Grab Robbery

San Bruno,  San Bruno, CA

- January 2022 - Five suspects attempt a Smash & Grab at a Jewelry store but are chased off by the owner
- **But here's what didn't make the news...**
- Suspect vehicle identified using Flock
- SBPD thought the suspects would try again, potentially more violently
- **Vehicle placed on a custom hotlist**
- SBPD receives a real time alert that the suspects are returning
- **Officers locate the vehicle within seconds preventing another attempt**

[San Bruno jewelry store owner stops attempted smash-and-grab robbery](#)

- ABC 7 News - Bay Area



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Case Study: Auto Theft



Chamblee PD



Chamblee, GA



Stranger on Stranger Abduction August, 28
2020

When every second matters, Flock Safety's Machine Vision is Critical

- 12:33 PM ● Amber Alert Issued
- 1:01 PM ● Search Conducted with Flock Safety
- 2:30 PM ● Suspect Vehicle Located
- 5:03 PM ● Felony Stop + Arrest
- 6:00 PM ● Baby Reunited with Mother



Questions?
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