



ONE GRANT CAN MAKE ALL THE DIFFERENCE

THE SAN FERNANDO PD KEEPS THE PUBLIC AND OFFICERS SAFE WITH GRANT ASSISTANCE AND TECHNOLOGY FROM MOTOROLA



SITUATION

The economy is struggling, but the San Fernando Police Department won't allow that to keep them from advancing their public safety technologies.

Public safety is the driving force of every police department, but implementing the latest technology takes an investment of time and, more importantly, money. The San Fernando PD needed to both do more with less and secure the funds necessary to implement technology that would allow them to do so.

SOLUTION

With grant assistance and guidance supported by a trusted, long-standing partnership from Motorola, the SFPD secured over \$1M in DOJ COPS federal funds.

In 2007, Chief Robert Ordelleide at the SFPD envisioned a Virtual Patrol system that would leverage a high-speed network and video surveillance to help improve public safety. With the help of Motorola, the SFPD secured the Virtual Patrol Grant, providing them with over \$1M to implement a wealth of new technology that could bring that vision to life.

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Sergeant Tony Vairo, San Fernando Police Department

RESULT

The Virtual Patrol system includes Motorola technologies from video surveillance and mesh networks to eCitation and automatic license plate recognition (ALPR).

Together, the technologies in the new Virtual Patrol system not only help keep the public and officers safe, they've also positioned the SFPD on the cutting edge of public safety technology. These solutions have helped drive crime down to a twenty-year low, provided more flexibility in how officers can combat crime and have reenergized the entire police force.

CUSTOMER PROFILE

San Fernando Police Department

Location

- San Fernando, CA

Industry

- Public Safety

Solution

- Grant assistance
- Video surveillance system
- Mesh / PTP / PMP network
- Vehicular mounted modems
- MW810 mobile computers
- Automatic license plate recognition (ALPR)
- MC55 eCitation solution
- OnSSI facial recognition

Solution Features

- Grant assistance and support helped secure over \$1M in funds for this project through the United States Department of Justice Community Oriented Policing Services (DOJ COPS)
- Video surveillance integrates seamlessly with MW810 Mobile Computers to push live video feeds to patrol cars
- Mesh / PTP / PMP network delivers video feeds from cameras to communications center, then out to patrol cars
- Additional technologies work together to create a cutting edge public safety solution

CASE STUDY

SAN FERNANDO POLICE DEPARTMENT

Staying ahead of a struggling economy

Sergeant Tony Vairo has been with the SFPD for over two decades, and he understands the difficulties public safety organizations face, especially in a struggling economy. "The economy is tough right now for everybody," he says. "We have to think outside the box. We've got to be innovative in how we approach our job so we can do more with less."

That's where technology comes in. Motorola has the kind of cutting edge technology that can help improve public safety without increasing headcounts. But in order to implement these advanced technologies, additional funding sources must be discovered and secured.

Grant assistance makes all the difference

The SFPD, like all other departments in the state of California, relies on grants to implement new, advanced technologies. And it takes more than just a vision to help secure those funds.

Fortunately, Motorola offers a number of grant assistance services, providing support at every phase of the process, from research and education to goals and grant development. Assistance like this, from a trusted name like Motorola, is invaluable. Lieutenant Jeff Eley of the SFPD understands just how crucial it is. "The bottom line is," he says, "if we didn't have that grant, and we didn't have the support necessary to secure it, we would not be able to do what we're doing today."

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Sergeant Tony Vairo, San Fernando Police Department

Virtual Patrol helps the SFPD do more with less

The foundation of the Virtual Patrol solution is built upon two central components: A point-to-point, point-to-multipoint and mesh wireless data transfer network consisting of nodes located around the city and on patrol cars themselves, and a video surveillance system with cameras placed strategically throughout the city. These video feeds are wirelessly delivered to the communications center in the SFPD. Should a criminal event take place, dispatchers can instantly view the scene, then push live video to officers on patrol, allowing them to assess the situation and secure the necessary support even before they arrive. Not only does this system improve public safety services, it does so without adding additional officers, which, in today's economy, is more important than ever. "We can't have officers at every corner of the city," Sergeant Vairo says. "That's where the video cameras come in, and that's where the network comes in."

In addition to the benefits to officers on patrol, this new system has also reenergized dispatchers, who are now more empowered than ever to help keep the public and





fellow officers safe. By acting as a crucial component of the video surveillance system, dispatchers are truly integrated into the moment-by-moment activities of officers in the field, and they're able to prevent crime before it happens.

A complete, integrated system

In addition to the video and network solutions provided by Motorola, a number of other products were delivered to help the SFPD bolster public safety services. Most importantly, Motorola's MW810 in-vehicle computer system enables officers on patrol to view live video from any one of the surveillance cameras placed throughout the city. In addition to video capabilities, they also allow officers to write reports more accurately and access other mission-critical information.

"When I hear the word Motorola, the first two words that come to mind are dependability and quality. It has to be well built, and it has to be something we can count on and trust. We always get that with all of our Motorola products."

Lieutenant Jeff Eley, San Fernando Police Department

Another new technology delivered to the SFPD is automatic license plate recognition (ALPR). This system, which uses cameras to instantly check license plates to help track stolen vehicles and other criminal activity, is integrated both into patrol cars and also at established check points throughout the city. Mobile ALPR units on patrol cars check license plates in a 360-degree field around the vehicle, instantly reading surrounding plates regardless of their relationship to the patrol vehicle. Stationary ALPR units can also be placed at critical points throughout the city, including exits and entrances, providing the SFPD with another set of eyes without having to increase headcount.

And, thanks to the Virtual Patrol grant, the technology doesn't stop there. The SFPD has also implemented vehicular mounted modems (another crucial component of the wireless network), an MC55 eCitation solution that improves the accuracy of citations as they are issued and an OnSSI facial recognition system that has firmly cemented the SFPD's position at the cutting edge of public safety technology.

A trusted brand and partner

Implementing an integrated solution, comprised of advanced, complex technologies, requires the help of a partner you can trust. Having a trusted brand to rely on is equally important, and everyone at the SFPD has been thrilled with the Motorola solutions they've received, not only by what they've allowed them to do, but in how reliable and trustworthy the products are. "When I hear the word Motorola," Lieutenant Eley says, "the first two words that come to mind are dependability and quality. It has to be well built, and it has to be something we can count on and trust. We always get that with all of our Motorola products."

Bringing it all together

Thanks to Motorola, the San Fernando Police Department had the support necessary to secure DOJ COPS federal funds through the Virtual Patrol Grant, and the expertise and experience needed to implement a number of cutting edge technologies. Together, these have helped the SFPD improve public safety services, and as Lieutenant Eley says, "Public safety is the heart of what we do. It's the essence of what we do everyday."



CASE STUDY
SAN FERNANDO POLICE DEPARTMENT



Sergeant Tony Vairo provides a succinct, complete look at what this Motorola solution has provided. "With this technology," he says, "from the computers in the cars and the video, to the wireless network and the automatic license plate reader, everything is integrated seamlessly together. That's what makes this technology so valuable. That's what gets me excited."

When asked what he would say to another department considering a similar solution, Lieutenant Jeff Eley's position is clear. "Go out and do your homework," he says. "Do your research. And if you're thinking about doing a similar project to what we've done here in San Fernando, definitely do it. It's wonderful technology."

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When times are tough, it's more important than ever to do more with less to keep advancing public safety, and that's precisely what the San Fernando Police Department, with the help of Motorola, has been able to do.

For more information about grant assistance and the products featured in this case study visit www.motorolasolutions.com

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