

ALLOW ME TO INTRODUCE MYSELF

Hi, I'm Steve Mager ❖ ▓ ▼ ▲ ※



VP of Distributor Management, Q-Free

Playing in Traffic for 13+ Years Vino Virtuoso of fine Oregon Pinot Noir Elementary Basketball Coach Urban Farmer

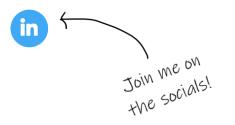
Location

Wilsonville, OR

Contact

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About Us

We go to work everyday hoping to do two things; improve mobility and make the world a little better.



Over 40 years of experience



Best of freeway & signal management



370 passionate traffic nerds



50+ successful reference markets



Traffic ecosystem

MODERN ITS IS SMART BUT COMPLEX



"Simply put, ICM is the integrated management of freeway, transit, arterial, and parking systems within a corridor using ITS technologies and innovative practices. It is the management of a corridor as a system rather than the management of the individual transportation networks (e.g., rail lines, bus routes, arterials, freeways) within a corridor, which is the current practice in the U.S."

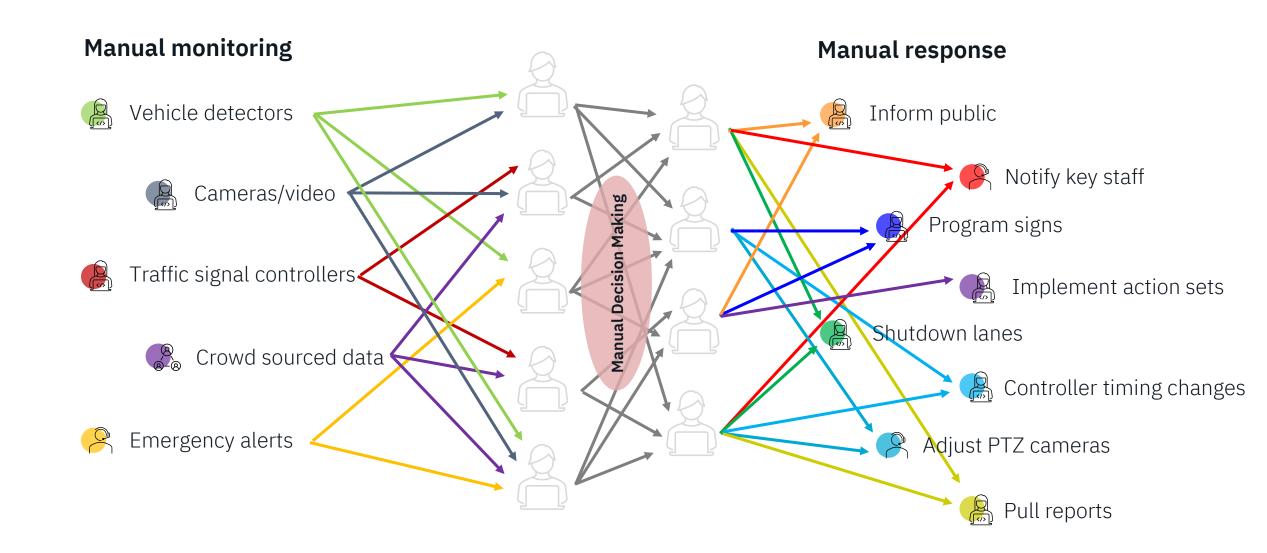
Federal Highway Administration (FHWA)



From numerous disparate systems



MULTIPLE SYSTEMS ACROSS MULTIPLE SCREENS AND LOGINS

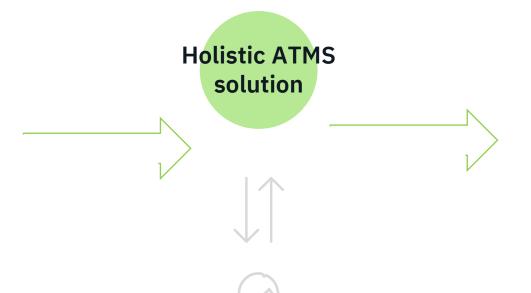


To one integrated system

UNIFY TRAFFIC OPERATIONS

Monitoring

- Vehicle detectors
- Cameras/video
- Signal controllers
- Crowd sourced data
- Emergency alerts



Operator interaction

Responses

- 1 Inform public
- Notify key staff
- Program signs
- Implement action sets
- Controller timing changes
- Adjust PTZ cameras
- Dispatch vehicles
- Record incident details
- Create reports



Key Components INTEGRATED CORRIDOR MANAGEMENT





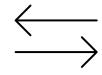




Cross-agency collaboration

Multi-modal incident response

Automation for efficiency and safety





Diverse device integrations

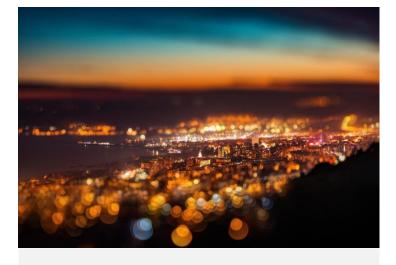
Multi-use data access



Benefits of a comprehensive solution



Better incident management



Improved regional traffic flow



Implement holistic safety solutions

Coachella Valley CV Sync

REGIONAL SIGNAL SYNCHRONIZATION CASE STUDY



CV Sync partners









Coachella Valley Association of Governments

Project lead

Advantec Consulting Engineers

Primary project consultant

Crosstown Electrical & Data

Prime electrical contractor

CT West

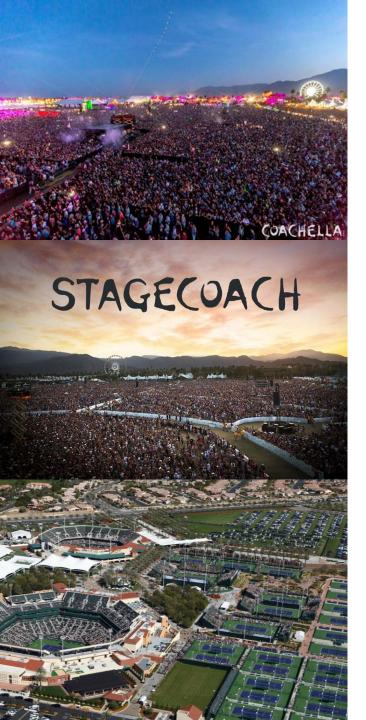
Southern California distributor, subcontractor

Coachella Valley

9 incorporated cities 300,000–600,000 residents

> SAN JACINTO MOUNTAINS

> > SANTA ROSA MOUNTAINS



Host 200+ events and 14 million visitors every year

Palm Springs Village

Palm Springs Pride

Palm Springs Festival of Lights

Day Club

Splash House

McCormick's Exotic Car Auction

White Party

The Dinah Event & Music Festival

Cathedral City Hot Air Balloon Festival

Rancho Mirage Farmer's Market

Acrisure Arena & Music Concerts

Golf Cart Parade

Street Fair at College of the Desert

Palm Desert Market

El Paseo Cruise Night

El Paseo Art Walk

Glow in the Park

Ironman 70.3

BNP Paribas Tennis Tournament

Indian Wells Arts Festival

La Quinta Farmers Market

AMEX PGA Golf Tournament

Stagecoach Festival

Coachella Music & Art Festival

Framework

Tamale Festival

Riverside County Fair

National Date Festival

Indio Farmer's Market

Powertrip Rock n' Roll Festival

...and more!



Why CVAG created a "smart region"



Improve how residents and visitors travel



Manage traffic operations for major events



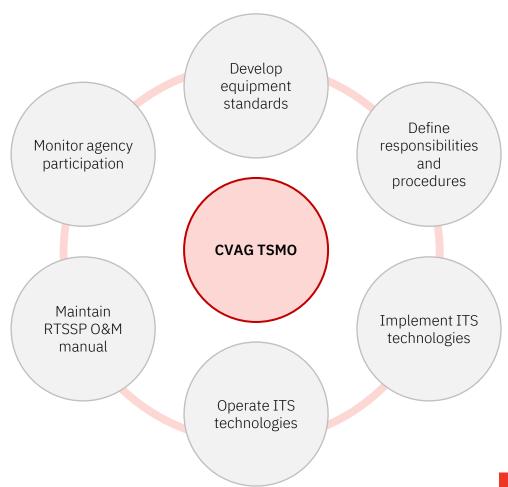
Coordinate responses to natural disasters



Create a plan

CVAG TSMO

- Develop equipment standards
- Define responsibilities and procedures for the region
- Implement inter-agency arterial, special event management, and ICM systems
- Operate inter-agency arterial and special event management systems
- Develop, oversee, manage, maintain and update regional traffic signal synchronization
- Engage partners on a regular basis









Key Strategies

Regional event management

Cities manage systems day today, while the RTMC manages regional events

Interoperability

Open standards requirements force interoperability to prevent vendor lock-in

Multi-modal incident response

Rules engine allows automated or recommended response on signs, signals, 511 system, notifications, and more

Data exchange

Centralized data end-point allows secure access to data by 3rd party systems and future integrations

Build a strong foundation

Create a robust communication network and IT policies to enable real-time communication between partner agencies and devices.



Select solutions that play well with others

When choosing what solutions to use, demand interoperability and utilize out of the box solutions to eliminate the need for expensive, customized solutions.







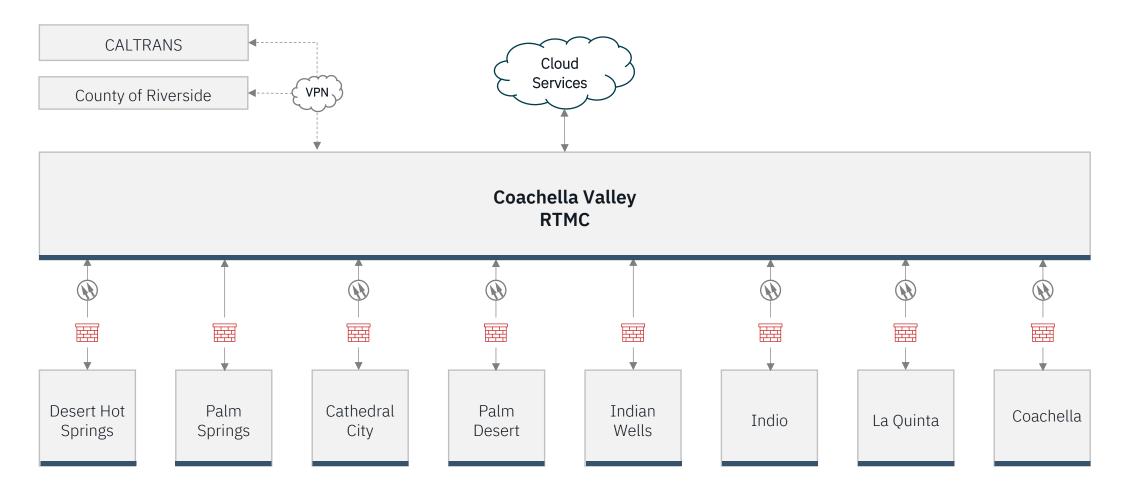






Bring it all together

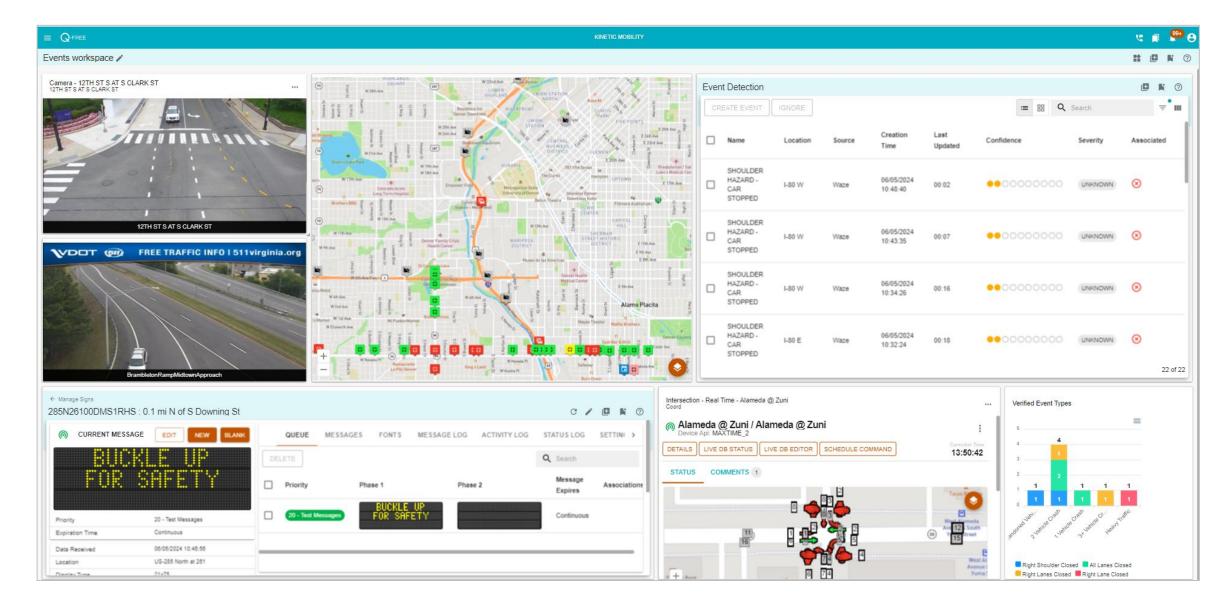






Centrally view & manage all devices









An innovative approach to improving how residents and visitors travel in the Coachella Valley



Public Health



Public Safety



Environmental Preservation



Shorter Commutes



Cost Savings



Responsible Use of Public Funds



Key takeaways TO MAKE YOUR PROJECT A SUCCESS



Have dialogues often and early



Make interoperability a requirement



Leverage out of the box solutions





Contact us

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VP of Distributor Management, Urban



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www.q-free.com

VISIT OUR PARTNERS AT BOOTH

35

Mid American Signal

