

STERLING RANCH, COLORADO, UNITED STATES • 2019-PRESENT

Sterling Ranch: streetlights that also carry an emergency broadcast

Sterling Ranch, a planned smart-home community exposed to Colorado's natural disasters, wanted to reach residents outdoors in an emergency without new infrastructure. Dimonoff and Siemens built CitySafe into the community's streetlight network.



50%

STREETLIGHT DIMMING LEVEL FROM 10 P.M. UNTIL SUNRISE ➔ ([HTTPS://STERLINGRANCH.COM/HAPPENINGS/NEWS/STREETLIGHT-UPGRADES-AT-STERLING-RANCH/](https://sterlingranch.com/happenings/news/streetlight-upgrades-at-sterling-ranch/))

The situation

Sterling Ranch is a planned smart-home community in an area exposed to Colorado's wildfires, floods and severe weather. Reaching residents outdoors during an emergency, before they check a phone app, meant either building new infrastructure or finding a way to use infrastructure the community already had on every street.

What was deployed

Dimonoff and Siemens co-developed CitySafe, a wireless audio-visual mass notification system, and built it into Sterling Ranch's Dark Sky-compliant streetlight network rather than as a separate system of poles. Each fixture combines a Dimonoff RME wireless lighting node with an RGB beacon and a pole-mounted speaker, so the same streetlight that dims automatically to 50% at 10 p.m. and switches off at sunrise can also carry a verbal emergency broadcast, a colour-coded visual alert, and severe-weather notifications relayed from public safety agencies.

Why it matters for your network

Sterling Ranch is the notification-on-lighting case: a community that got a second, safety-critical system for the marginal cost of adding a

beacon and speaker to fixtures it was installing anyway, rather than the full cost of a standalone notification network. If your city already has, or is planning, a wireless-controlled lighting network, CitySafe is what that network can carry beyond light.

DEPLOYMENT

System	CitySafe wireless audio-visual mass notification, developed with Siemens
Node	Dimonoff RME wireless lighting nodes
Alert hardware	RGB beacon and pole-mounted speaker on the same fixture as the streetlight
Standard	Dark Sky-compliant fixtures
Schedule	Automatic dimming to 50% at 10 p.m., off at sunrise

PARTNERS

- Siemens

SOURCES

- Sterling Ranch – Streetlight Upgrades at Sterling Ranch (<https://sterlingranch.com/happenings/news/streetlight-upgrades-at-sterling-ranch/>)
- Dimonoff – Wireless Audio-Visual Mass Notification System, Sterling Ranch, CO (<https://www.dimonoff.com/resources/case-studies/wireless-audio-visual-mass-notification-system-sterling-ranch-co/>)