

Mobile-Ready Shutoff Solutions

King City, CA | *Deployed on a 5G Fixed Wireless Network*

SCENARIO

Shutting off the power grid during dangerous weather conditions prevents power lines from becoming ignition points for falling or windblown debris. This mitigates the risk of wildfires.

When King City discovered that its shutoff solutions had inadequate backup power, city officials sought a rapidly deployable uninterruptable power source (UPS) to keep critical public safety cameras and networks online.

SOLUTION

King City's solution was a real-time citywide monitoring system with an outdoor UPS by Solis Energy and hardened surveillance cameras by Axis Communications. High-bandwidth, 5G millimeter-wavelength backhaul radios by Siklu provide communications. The solution is readily deployable by a two-person crew and effective for power blackouts lasting up to a week.

While King City's specific solution was a semi-custom design, the municipality noted the value of a standardized mobile unit like a pallet-mounted system with battery backup, surveillance, and 5G backhaul capabilities. Such equipment could be shipped to a site via conventional freight channels to quickly strengthen infrastructure resilience without heavy investments into transportation or site preparation.

RESULTS

After a complication-free installation, King City now has cameras that stay online during public safety power shutoffs and a 5G backhaul radio keeps information flowing even when other local networks go down. Because of the deployment's success, the city is looking into integrating other critical applications, including water utility management, onto the network.

