

LUMINYS LumiGuardian Helps Puerto Rico Expand Mobile Public Safety Coverage



PowerComm PR deployed 20 LUMINYS LumiGuardian solar security trailers to help Puerto Rico public safety agencies extend real-time visibility, reduce system complexity, and support field operations during a period of limited police staffing.

The Challenge

Puerto Rico public safety agencies needed a reliable way to monitor intersections, city centers, perimeters, and high-priority areas without relying only on officer presence.

Previously sourced trailers created inconsistent user experiences, required third-party integrations, and were not always durable enough for Puerto Rico's tropical climate and severe weather conditions.

The Solution

PowerComm PR standardized on LUMINYS LumiGuardian, a solar-powered mobile security command solution with integrated hardware, LumiCloud support, AI analytics, 4G LTE connectivity, and LumiViewer integration.

Each trailer was configured with four cameras for wide-area visibility, automated tracking, license plate recognition, and trailer-area monitoring, creating a repeatable public safety platform for island-wide deployment.



Project Overview Location

Puerto Rico, island-wide



Partner

PowerComm PR



Technologies Deployed

LumiGuardian | LumiCloud | LumiViewer
| LumiAnalytics | LumiSearch |
LumiTracking | LPR

A Force Multiplier for Modern Public Safety Teams



Impact Summary

The LumiGuardian deployment helps municipal police and government agencies monitor more areas with fewer operational gaps. Officers who may have been assigned to passive monitoring posts can be redeployed to higher-priority public safety work.

One LumiGuardian trailer can observe, monitor, and track multiple subjects while recording metadata for forensic review, helping agencies improve visibility and make better use of limited personnel.

Key Outcomes

Expanded Mobile Coverage

20 LumiGuardian trailers deployed across Puerto Rico, with additional units planned.

Built for Demanding Conditions

Adapted for tropical climate, severe weather, complex terrain, and challenging power and communications environments.

Standardized User Experience

A single integrated LUMINYS platform reduces variability from mixed trailer builds and third-party add-ons.

Lower Operational Complexity

Integrated hardware, software, cloud access, AI analytics, and support through one solution provider.

AI-Enabled Monitoring

Supports vehicle detection and tracking, human detection and tracking, perimeter enforcement, traffic analysis, and real-time monitoring.

Technology Deployed



TG-113A LumiGuardian Solar Trailer

Solar-powered mobile security trailer with LumiCloud recording, 4G LTE communication, autonomous power, and NDAA compliance.



N5P-8DA2 180° Stitched Multi-Sensor Camera

Wide scene visibility with 180° stitched coverage, LumiDeterrent, LumiSearch, and LumiTracking.



P54-4SA25 LumiSearch PTZ Camera

4MP PTZ camera with 25x optical zoom, LumiAnalytics, LumiSearch, LumiTracking, and LumiFocus.



N9L-4RAL LPR Camera

License plate recognition camera for vehicle identification and traffic monitoring.



N9F-12RA1 Fisheye Camera

12MP fisheye camera for 360° or 180° situational awareness around the trailer.



LumiCloud + LumiViewer

Centralized live view, playback, alerts, device management, and remote access.



“Today’s presentation was a total success. Thank you to everyone who worked together to get the trailer operational.”

- Quintin Ramos, President, PowerComm PR