



Case Study: City of Detroit

Surveillance Application



Specifications

Location: Detroit, Michigan

Product Application: Surveillance

Components: AlphaGateway SMG and security cameras with broadband backhaul



The Alpha Strand-Mount Gateway (SMG) enables you to access clean, reliable, redundant electrical power and broadband backhaul to take control of your security challenges. With the ability to overtly (or covertly) place safety/surveillance cameras up to 100 meters away from the uninterrupted power of the AlphaGateway SMG, your security solutions are limitless.

Overview

Approaching 700,000 people, Detroit is the most populated city in Michigan. In fact, in the top 50 most populated cities in the country, Detroit ranks at #21.

However, with nearly 700,000 residents covering 140 square miles, the city has a low density in comparison to other major cities across the United States. This presents a unique problem in illegal trash dumping for Detroit. Due to the lack of surveillance and oversight in these low-density areas, they become the most susceptible to illegal trash dumping. On average, the Department of Public Works crew picks up 650 tons of illegally dumped trash and debris a week.



Objectives

Provide a powering solution that:

- Combines commercial power and broadband backhaul to surveillance cameras
- Can be deployed in the unique, low-density problem areas throughout Detroit

Solution

The AlphaGateway SMG provides the perfect “instant surveillance solution” for the city of Detroit with its combination of power, backhaul, and real estate. Widespread surveillance of low-density problem-areas becomes a simple, cost-effective task. The cable service provider’s aerial Hybrid Fiber-Coaxial (HFC) network and associated pole infrastructure remains ubiquitous in much of the most vulnerable areas, allowing the AlphaGateway SMG to be mounted in virtually any location.

Benefits

- Allows the city to efficiently manage trash collection and stop illegal trash dumping at the source
- Provides a long-term preventative surveillance solution that is constant and uninterrupted, allowing the city to maintain its clean streets even after initial installment



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