

Transportation Business Quickly Protected by PowerG Photobeams

Powerful wireless security prevents future theft of catalytic converters



Background

Bux-Mont Transportation Company of Willow Grove, PA is a diverse transportation service which offers a variety of vehicles for a huge range of events and travel. Their wide-ranging fleet of 100 vehicles includes shuttles, limousines, vans and taxis to suit customers' transportation needs.

Alongside general travel such as taxi, shuttle, and van services, Bux-Mont Transportation's vehicles are equipped to provide medical assistance transportation for those needing help attending their medical appointments, such as elderly residents, travelers with disabilities, or dialysis patients.

Bux-Mont transportation approached Dennis Fesmire, an integrator from D&D Security Systems, LLC, about preventing future thefts from their property.

The Problem

Bux-Mont Transportation's fleet of vehicles is parked around the north side of their property in a lot enclosed by chain-link fencing. This side of the property neighbors several other buildings not owned by the company and runs parallel to, but doesn't border, a nearby railway.

The position of the other buildings and infrastructure surrounding the parking lot made it the focus of many break-ins. Thieves often approached the property from the north, crossing the train tracks and using the other nearby buildings for cover before climbing or cutting through the chain-link fences. After making their way onto the property, the thieves would steal catalytic converters from the vehicles and leave them unable to operate until new parts were installed.

While the property was monitored with several cameras, Bux-Mont Transportation couldn't use the video to effectively identify the thieves or prevent further break-ins. The combination of expensive vehicle parts and repair labor, lack of security on the

Case Study

parking lot's perimeter and inability to ID the intruders via their cameras caused huge losses to the company. In all, 38 catalytic converters were stolen from vehicles in the parking lot.

The property's location and function also caused issues for securing the area as setting up hardwired connections to the perimeter required installers to either run wiring overhead or cut through the pavement to run them underground. Installer estimates placed the hardwired solutions at nearly a week of labor to implement these solutions. In both cases, the amount of labor and time required was too costly.

While a wireless system provided a cheaper and faster alternative to a hardwire system, Pennsylvania's weather caused concern about how the battery-operated devices would function during large snowstorms or sub-zero temperatures. If installed as the primary mode of monitoring, a wireless device could not cut out during harsh weather conditions.

The Solution

Bux-Mont Transportation's main request was to have a system that could notify individuals when there was a break in and preemptively attempt to scare off the intruders.

Dennis Fesmire from D&D Systems LLC initially installed two 350-foot PowerG Photoelectric Beam Detectors (SKU: PG9350SL), a Qolsys IQ2 panel, a PowerG repeater and PowerG outdoor siren. Because the photoelectric beams are wireless devices, the total installation took Fesmire about 5 hours to set up. Rather than drilling through pavement or setting up overhead, the beams were simply installed on posts near the fencing.

The system immediately provided measurable results, as well. Within two days, intruders attempted to force their way onto the property once again, tripping the beams and running off when the siren sounded. In the following weeks, they cut the fence a second time and, once again, ran when the siren was activated.

While there were some early concerns about how well the beams would be able to function in some of Willow Grove's extreme weather situations, Bux-Mont Transportation has reported that even in snow squalls, the beams have been able to continue functioning well, even sending notifications to the property owners about potential issues with masking alerts when the devices were covered with snow.

Since the installation, no more catalytic converters have been stolen from the property and D&D Systems has installed three more 200-foot beams (SKU: PG9200AX) to this site to fully protect the perimeter. Additionally, several other companies – including transport and fencing – have contacted D&D Systems about installing these beams on their properties. In an online review of D&D Security Systems, a member of Bux-Mont Transportation shared that Fesmire's installation has already saved their business over \$70,000 in automotive repair and over \$300,000 in revenue. With an installation which took only 5 hours, D&D Security Systems wirelessly secured a property with Power-Genabled devices and saved the business from thousands of dollars of losses.

