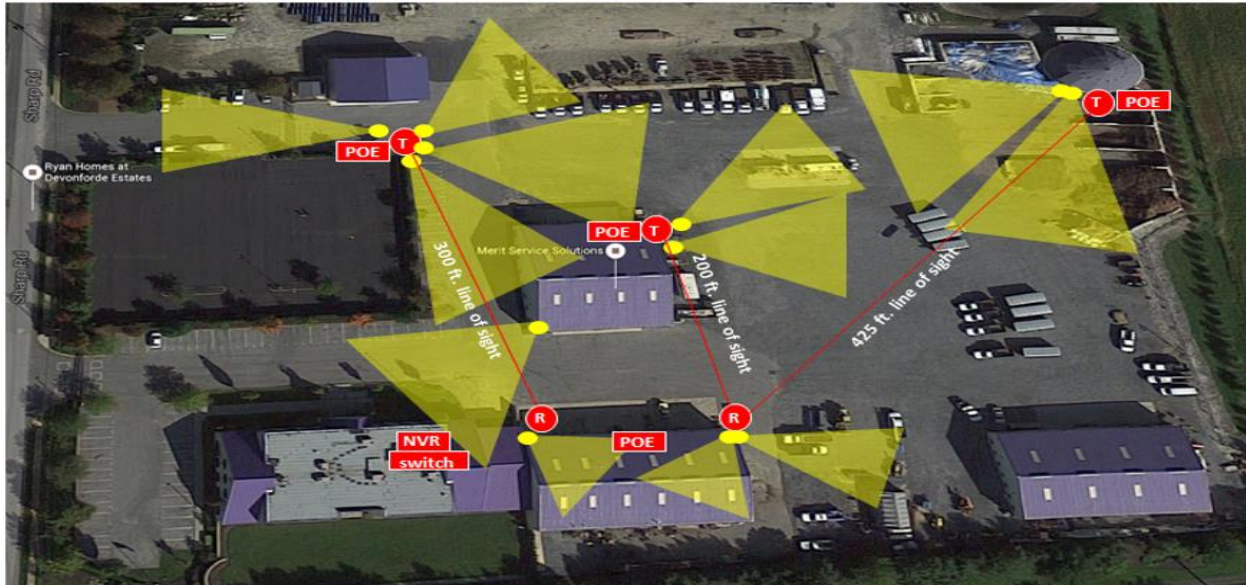




Video Solutions for Security Professionals™

CASE STUDY



At a Glance:

Market:

Commercial

Location:

New Jersey

Application:

Wireless IP solution consisting of 12 Platinum Fixed Lens Dome IP Cameras 2.1MP to secure maintenance business.

Case Study: Landscape Company Chooses LTS Wireless Solutions

Introduction

Merit Service Solutions, a facilities maintenance company based in New Jersey, offers snow and ice management, rooftop clearing, parking lot sweeping, and even full service landscape maintenance. The company needed a powerful IP solution for four buildings since expensive maintenance equipment is housed on the premises. The buildings posed infrastructure challenges, and were a distance from each other. To ensure strong security on the premises, management required one surveillance system for all four buildings that was user friendly. Given the

challenges, the installer believed a wireless solution would be best for this installation project. The wireless IP solution needed to be affordable, reliable and not drop signal, as well as powerful to ensure the buildings, maintenance equipment, and staff are always secured.

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Featured Products:

(CMIP7422) Platinum Fixed Lens Dome IP Camera
2.1MP

(LTN8932-P16) Platinum Enterprise Level 32 Channel 4K NVR 1.5U

(LT-APNBEM5-19) Ubiquiti Nanobeam 19 dBi airMAX Bridge (NBE-M5-19)

(DHWD50PURX) Western Digital Purple Surveillance Hard Drive – 5TB

(POE-SW401) 4-Ports 100Mbps Unmanaged PoE Switch

(POE-SW800-P4) Eight Port Switch with 4 Port PoE

(LT-APNBE-WMK) Ubiquiti Nanobeam Wall Mount Kit for (NBE-M5-16/19)

Challenge

Since this was a new project, there was no previous surveillance system or cabling already established between the facilities. Even so, infrastructure challenges and building distances would have proved difficult for new cabling. The distances between the buildings made cabling to the main office difficult (*see diagram on first page*).

Solution

With the help of an LTS security consultant, the installer discovered how cost effective a wireless IP solution would be for this project, and the only real option to solving distance and infrastructure challenges since no cabling would be involved. IP wireless solutions not only save money, but reduce installation time and offers a clean installation since no cabling is involved.

A total of 12 Platinum Fixed Lens Dome IP Cameras 2.1MP, CMIP7422, (*see diagram: yellow dots represent IP cameras*) were installed among the four maintenance buildings to ensure equipment and vehicles aren't stolen and buildings are not broken into or vandalized.

In the main building, the security professional installed three IP dome cameras to observe and ensure the main offices stayed secured. One 4-Port 100Mbps Unmanaged PoE Switch, POE-SW401, powered and

transmitted video data back from the cameras to the Platinum Enterprise Level 32 Channel 4K NVR 1.5U, LTN8932-P16. A Western Digital Purple Surveillance Hard Drive – 5TB, DHWD50PURX, stored the forensic evidence.

That NVR also recorded vital video information from two Ubiquiti wireless access point receivers sent from transponders installed at three other buildings on the property. Four

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CASE STUDY

dome cameras were installed onto the building closest to Sharp Road, on the west end of the property. A 300ft line of sight had been established by the dome IP cameras. Another Unmanaged PoE Switch powered the cameras and transmitted the video information to the transponder which the receiver picked up and the NVR recorded at the main building.

The building, central on the property, had similar connectivity. One camera was installed on the back end of the building securing the employee parking area for the main building. Two other cameras secured the parking lot area where maintenance vehicles were parked. A 200ft line of sight had been established. Another PoE Switch supplied power and helped transmit forensic video information to the transponder, then channeled it out to the receiver.

Two IP dome cameras secured the opposite side of that same building, securing the maintenance vehicle parking lot. The cameras established a 425ft line of sight, to ensure safety. An unmanaged PoE Switch powered the system so video can be transmitted back to the main building, where the receivers take the information to store on the NVR.



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Results

Management at Merit Service Solutions couldn't be happier with their new wireless IP system. They say it's been effective in keeping staff, vehicles, and equipment safe. It's easy to use. The installer was proud to supply them with a high-quality solution because of the support he got from LTS.

Editor's Note: LTS Offers Ubiquiti solutions, please contact your security consultant for more information.

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