Remote Security Solutions

Case Study - Shipment Verification System

This study details the implementation of shipment verification systems provided by Remote Security Solutions, LLC at a logistics terminal owned and managed by a Fortune 500 client in the retail space.

General Information & Project Goals

The property is a cargo receiving facility approximately 450,000 square feet located on a 25-acre site in the Southeast United States. The local area is made up of other logistics facilities and all are relatively close to a major port of entry. The client's primary goals in implementing remote security services are:

1. **Reducing Annual Security Spend:** The site is staffed 24/7, 365 days a year with onsite security guards. The approximate annual spend for these services was $150,000.00.

2. **Utilizing Latest Technology:** A yard management system (YMS) is now in effect and to improve both operations and security the client wishes to implement camera technology while verifying inbound and outbound loads.
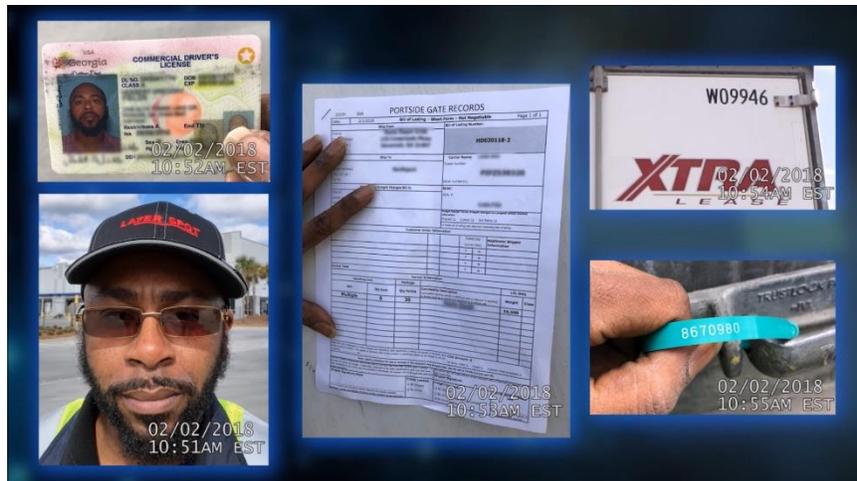
Challenges

The property offers several challenges:

1. The location receives inbound and outbound loads 24/7, with a heavy traffic presence in the 1st and 2nd shift timeframes.

System Design

In response to the client's goals and in light of the challenges above RSS chose to implement our Shipment Verification System (SVS). This setup consists of two locked enclosures, one inbound and outbound, that contains a smart-enabled phone with our application loaded. A Remote Surveillance Unit (RSU) is also located at the guard booth to provide overwatch of the gate area.
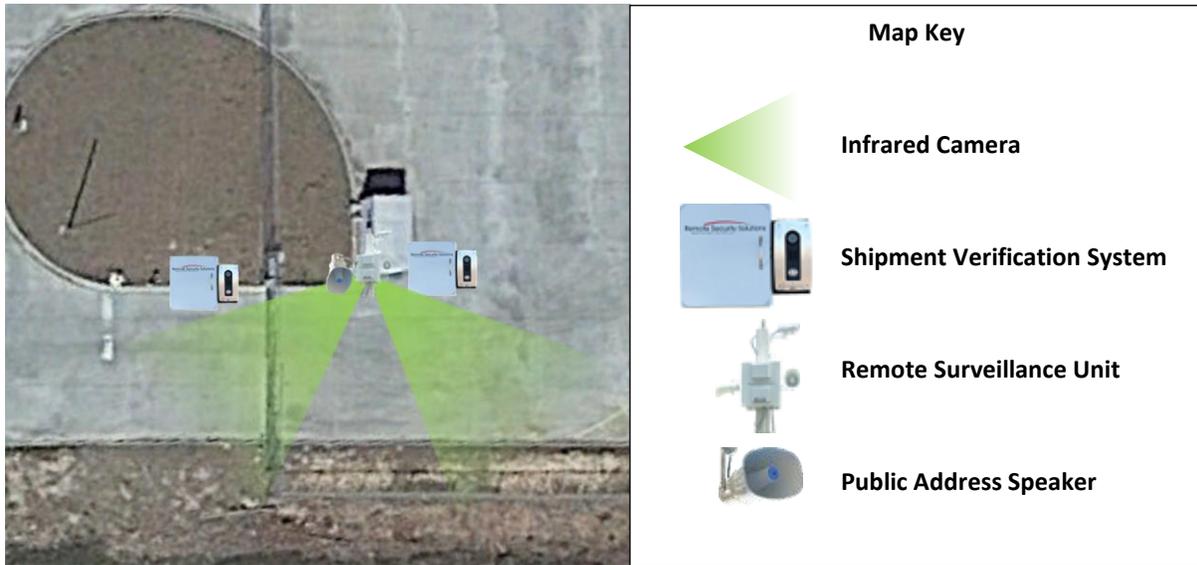

Remote Security Services Provided

When a driver requests entry or exit to the property, an RSS Officer will provide access to the smartphone and request the driver take pictures of their profile, their ID, Bill of Lading, trailer number, seal number & test seal integrity. Once all information is verified it is put into the YMS, the gate is opened, and the driver is allowed to proceed.

System Layout

Benefit Analysis

1. The client realizes significant savings in their annual reoccurring security expense.

2. Additional verification steps & documentation are in place thanks to photographic proof of transactions and input into YMS.

Cost Comparison - Remote Security vs. On-Site Security

Annual Spend Onsite Security:	$150,000.00
Annual Spend Remote Security:	$40,000.00
New Annual Spend with Combined Services:	**$110,000.00**

Cost Analysis

The remote security recommendation is priced in two parts, the initial systems expense and ongoing monthly services as follows:

Initial Security Systems Expense:	**$60,000.00 installed; turn-key**
Ongoing Monthly Services Pricing:	**$3,333.00**
ROI on System Expense:	**6 months**

Conclusion

The client's goals were effectively realized with no impact to the ongoing operations of the business. The joining of technology with a professional security team in a Command Center setting proved to be effective and cost-saving.