



Video Solutions for Security Professionals™

## CASE STUDY



### At a Glance:

**Market:**

Commercial

**Location:**

Elk Grove Village, Illinois

**Application:**

IP Cameras to monitor equipment and employees

## Case Study: Cameras Added for Safety at Manufacturing Plant

### Introduction

This packaging manufacturer is a leader for paperboard, cartons, and bags for the food and beverage industry. The factory located in Elk Grove Village, Illinois uses heavy machinery and handles all shipping logistics with on-site loading docks.

LTS was brought on board to help make sure that all the equipment and employees were monitored properly with

high definition IP security solution. The IP solution increased safety measures for both management and the employees.

Management felt because of the large heavy machinery employees worked with, surveillance cameras were needed to reduce accidents and make sure procedures were being followed. There was also the issue of liability should an accident happen.

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### Featured Products:

(CMIP7422-28) Platinum Fixed Lens Dome IP Camera 2.1MP

(CMIP7422) Platinum Fixed Lens Dome IP Camera 2.1MP

(LTN0764) Platinum Enterprise Level 64 Channel NVR 2U

(LTPOE-SW800G) PoE 8 Port Gigabit Switch – 130W

(LTPOE-SW1600G) PoE 16 Port Gigabit Switch – 250W

### Challenge

The challenge was the installation itself. LTS senior technicians jumped onto this project and helped map out the whole area including where the PoE switches should be and where specific cameras should be installed. The building is tall which made wiring an issue. Every cable and installation needed to look clean and up to the customer's expectations.

### Solution

LTS was able to help maximize surveillance areas with 56 IP cameras. They were all 2.1MP IP cameras. For the outside, we used Platinum CMIP9722-S so they could easily adjust where they wanted the cameras to focus towards for the parking lot. The indoor was installed with Platinum Fixed Lens Dome IP Cameras 2.1MP, CMIP7422-28, and Platinum Fixed Lens Dome IP Cameras 2.1MP, CMIP7422. Wall mounts were all included in the project to standardize everything giving

the end result a clean look and feel. The Platinum Enterprise Level 64 Channel NVR 2U, LTN0764, was used due to client's need to upgrade in the future. Alongside, the 2U casing allowed for enough surveillance hard drive storage for one month of motion recording. For all the network drops, we used gigabit switches such as the 8 Port Gigabit Switch – 130W, LTPOE-SW800G and the 16 Port Gigabit Switch – 250W, LTPOE-SW1600G. The gigabit makes a huge difference in the world when it comes to clarity and smoothness. There is virtually very little delay and the system is not working as hard to do simple tasks.



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### Results

The result was phenomenal. The client was not only pleased, but commented our work to other Fortune 500 companies.

They went with us simply that we cared. We were not there to design a system to make the most profit or earn the biggest PO. We designed a system that would work well with their network and accommodate all of their needs. We precisely chose 2.1MP over 3.1MP due to the fact that the 64 Channel isn't capable of running a full 64 cameras at 3.2MP.

We also designed the system with all gigabit switches to ensure fluidity of data crunching/transfer and made sure that each section of cameras had its own POE switch. We took the time to really listen to the client's needs and even conferenced with their outsourced IT Department which turned out to be Dell.

Their IT Specialist was impressed the way we designed it and gave full support in integrating our LTS IP System into their current system. We made sure that the client was able to provide all the top training on how to use the equipment and perform simple tasks and followed up consistently.

LTS customer service and team definitely offers valuable support and quality to all projects.

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