



## Corporate Market



## Metrolina Greenhouses

### Metrolina Greenhouses

16400 Huntersville Concord Rd.  
Huntersville, NC 28078

Launched in 1972, family-owned Metrolina Greenhouses is one of the most automated greenhouses in the United States with several internally designed machines such as automatic plant transplanters and mechanical shipping belts. Its 160 acres of greenhouses is augmented by 30 acres of outdoor growing space. Metrolina Greenhouses employs 625 people and an additional 200 seasonal employees during the spring and fall peaks.

Since Metrolina ships goods to big-box retailers, mass merchandisers, home improvement chains, grocery chains and other greenhouses within a 400-mile radius, they wanted an upgraded surveillance system that would assure smooth operations and transportation to and from the greenhouse. The facility uses up to 700,000 gallons of water each day, recycled by collecting 3 million gallons for every inch of rain that falls on its glass rooftops. Their current, legacy surveillance system had many technical limitations. Additionally, they had a makeshift server room, where they ran several fans to keep the processors cool during heat waves and found themselves bailing water after downpours. This left Metrolina Greenhouses with inadequate cooling and a lack of redundancy in their surveillance system.

"Security surveillance is very important to have in a facility this large," says Adam Freeman, Metrolina Greenhouses' network administrator. "With over 160 acres of greenhouses, having a DVR security platform gives us eyes in many places 24/7. Monitoring areas such as chemical storage and water pumping is very important."

Metrolina Greenhouses hired Enterprise Security Systems (ESS) to design and install an upgraded surveillance system. ESS recommended installing an exacqVision hybrid server and adding new IP cameras.



*ESS President, Kurt Kottkamp and Metrolina Greenhouses Network Administrator Adam Freeman collaborated to select the new IP surveillance system.*



*ESS installed the exacqVision hybrid server allowing Metrolina Greenhouses to utilize its existing infrastructure.*



*Metrolina Greenhouses built a new server room to manage its surveillance system.*

ESS installed a 32-channel exacqvision hybrid server with 6 TB of storage in the new server room. By installing the hybrid server, Metrolina Greenhouse was able to leverage the existing Ethernet backbone and add cameras in previously difficult-to-reach areas.

A combination of 32 Pelco analog cameras, 10 Panasonic IP cameras, 6 megapixel cameras and three PTZ cameras are used to capture activity throughout the facility. ESS strategically placed the cameras to cover employee and visitor parking lots, chemical storage structure, water-pumping facility, maintenance garage, offices, driveways, boiler control rooms and employee break areas. The new megapixel cameras capture greater resolution than their previous cameras.

Metrolina Greenhouses uses exacqVision Professional video management system (VMS) software to manage their surveillance for a variety of reasons. Through the VMS software, they can monitor potential theft, vandalism and production.

[Read the full article.](#)



*Metrolina Greenhouses uses exacqVision VMS software to monitor and minimize theft, vandalism and production control.*

## Equipment-At-a-Glance

### Software:

- exacqVision Professional VMS software

### Hardware:

- exacqVision hybrid server
- 32 Pelco analog cameras
- 10 Panasonic IP cameras

### Purpose/Benefits:

- Utilize existing infrastructure
- Improve operational efficiency
- Minimize theft and vandalism
- 24/7 monitoring capabilities

## Meet the Integrator



www.enterprisesec.com  
704-588-8832

Based in Charlotte, North Carolina, Enterprise Security Systems (ESS) is a comprehensive system's integrator supplying card access, surveillance and intrusion systems to commercial, industrial and institutional clients. ESS designs and installs integrated security systems.