

Videosharing in Washtenaw County



SHERIFF'S OFFICE
WASHTENAW
COUNTY *Michigan*

§ **INTEGRAL
BLUE**

COMMUNICATIONS ENGINEERING & SYSTEMS INTEGRATION

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Integral Blue

INTEGRAL BLUE



Communications work
with fiber, wireless,
and other mediums



System installation,
Integration, and
testing



System maintenance
and monitoring



Taking ITS to new
heights!



NETWORK REDUNDANCY

Ring Topology/Automatic Failover
Layer 3 Routing
Network Monitoring System (NMS)

VIDEO MANAGEMENT SYSTEM (VMS)

Genetec VMS

SCALABILITY

Network supports growth
Built to share

COUNTYWIDE INTERCONNECT SYSTEM UPGRADE

A network modernization project for a countywide Traffic/ITS network to reduce traffic congestion, increase stability of the network, improve cybersecurity, and overall provide a solid foundation that allows for future growth and the latest traffic applications.

Based on the size of Washtenaw's traffic signal network, the ITE recommends a staff of over 7 technicians to regularly maintain the system. However, with a current field staff of only 3 personnel, WCRC needed a way to leverage technology in support of their maintenance and operations tasks.

The project included a new IP and routing scheme, Video Management System, network monitoring software, video sharing capabilities, traffic management software upgrades, video displays, and network redundancy.

Integral Blue leveraged their integration expertise on this project and brought their hands-on approach into the planning, actively conducting field surveys and network mockup demonstrations to ensure that no detail was missed and that the proof of concept was sound. During implementation, equipment installations and integration were performed on the live, active network without significant impacts to daily operations.

This project allows Washtenaw County traffic operations and maintenance to provide greater system uptime with fewer staff by utilizing the latest technology in Traffic/ITS, making them more agile, mobile, and proactive. The motoring public will experience improved traffic flow, including on the road networks that provide access to downtown Ann Arbor which services the UofM campus and hospital.

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ACEC
AMERICAN COUNCIL OF ENGINEERING COMPANIES
of Michigan

The Challenge: Best Video Management Solution



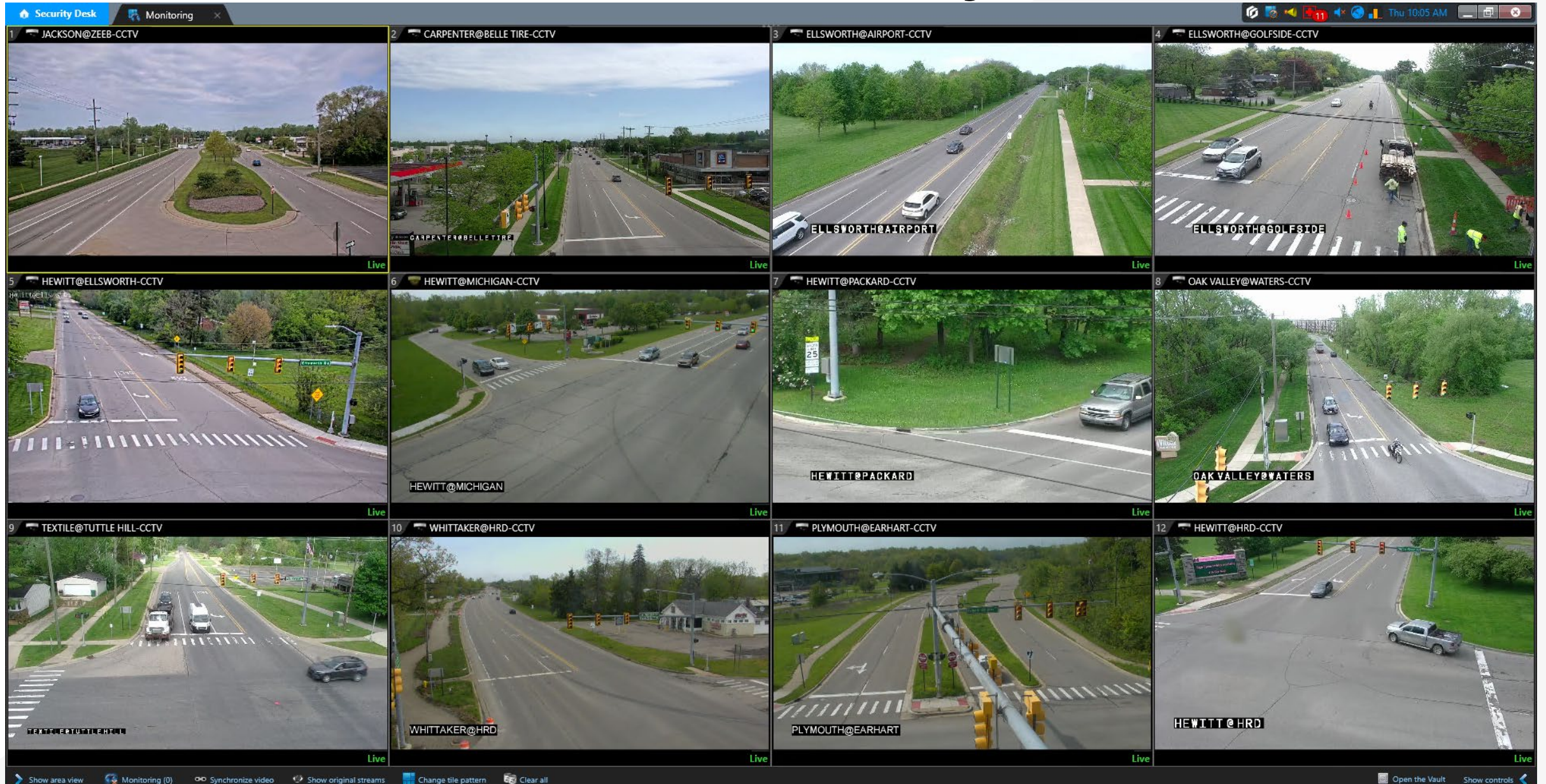
Washtenaw County Needs

- View/PTZ Video
- Share access with partner agencies
- Flexible/remote capabilities for video management
- **Built to scale and share Video and Security applications**

Traditional Traffic/ITS ATMS

- View/PTZ Video
- Control Dynamic Message Signs
- View Vehicle Detection
- Central command. Colocated with 911 dispatch
- **Built to Manage Freeway ITS**

The Solution: Genetec Security Center



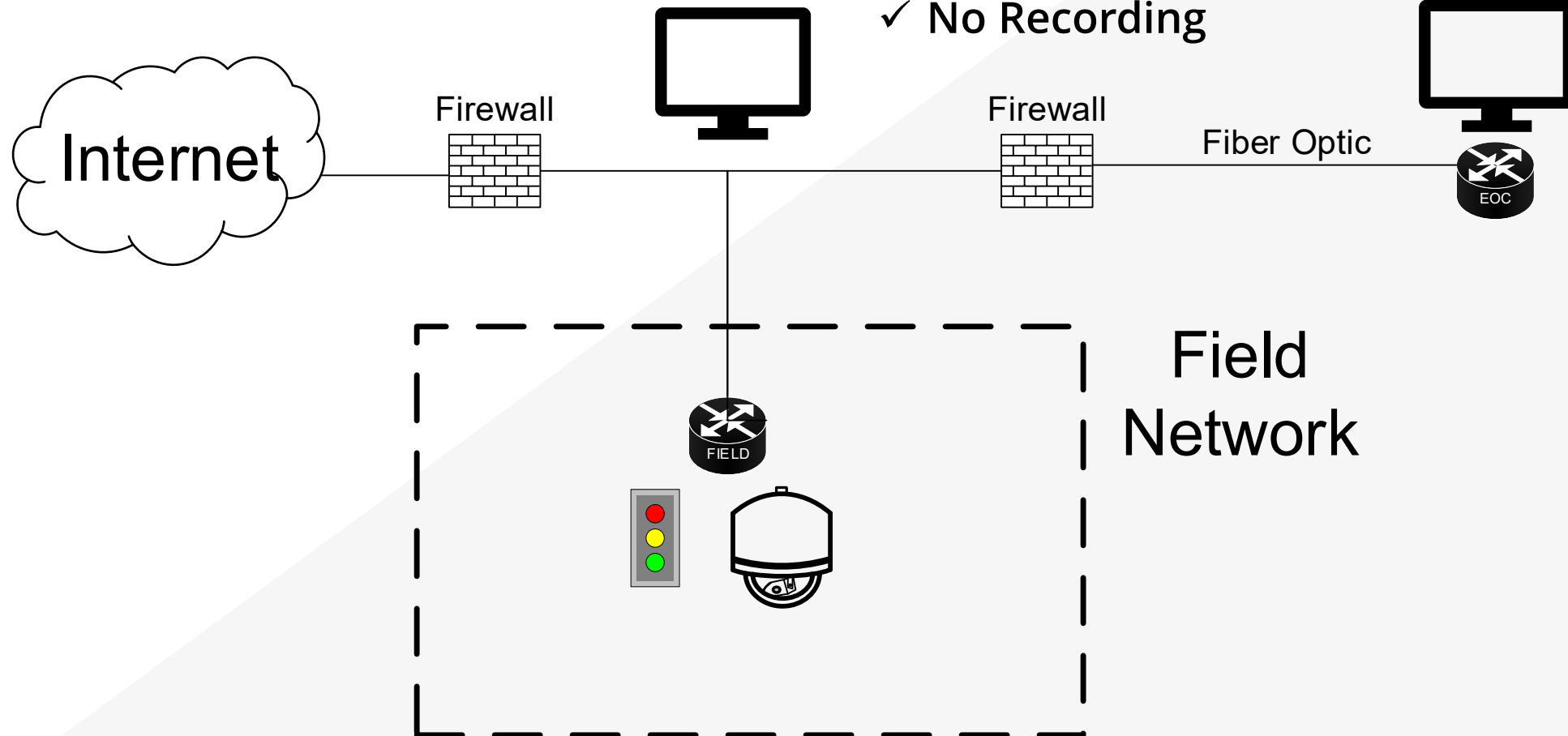
The Solution: Genetec Security Center



- ✓ Video
- ✓ PTZ
- ✓ Manage Users
- ✓ No Recording



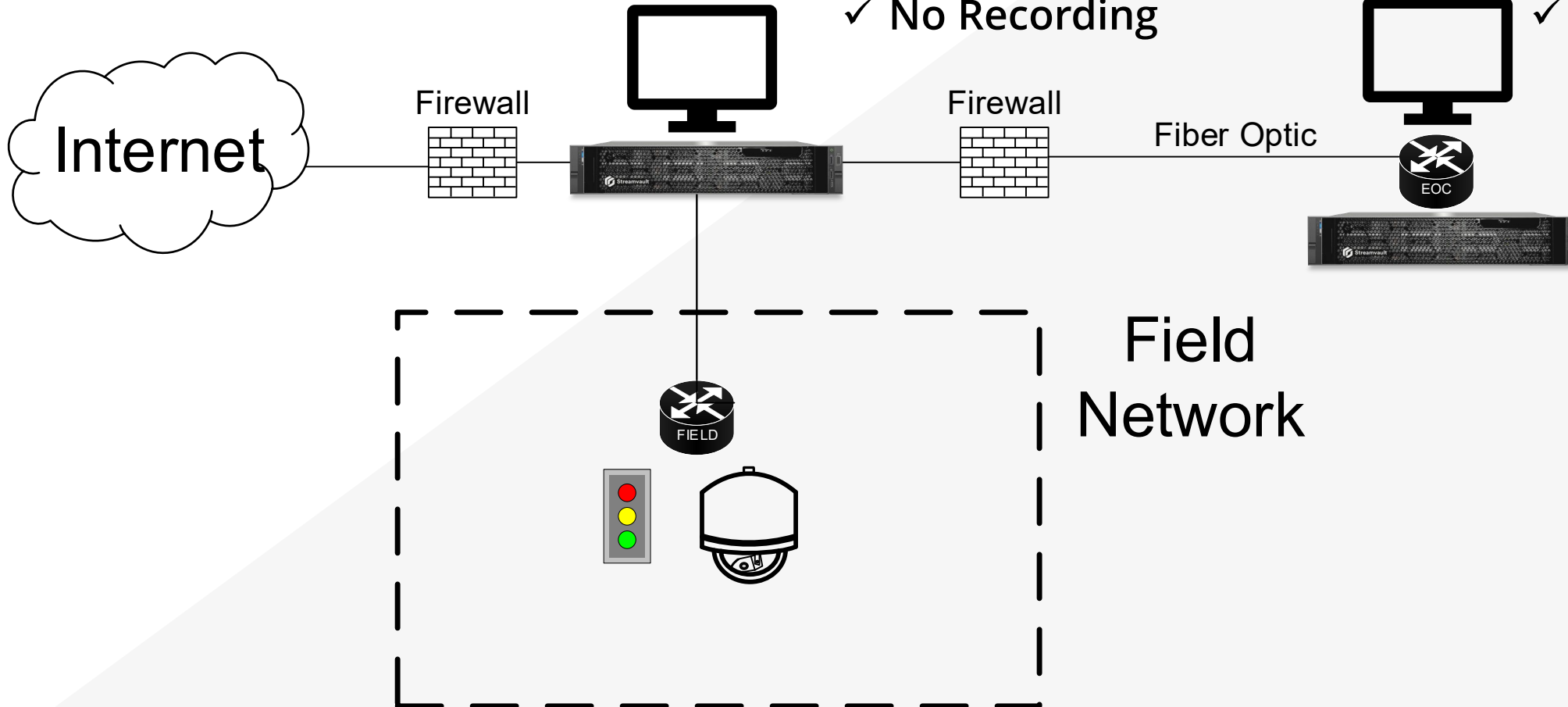
- ✓ Video
- ✓ PTZ
- ✓ Manage Users
- ✓ Ability to Record



The Solution: Genetec Security Center

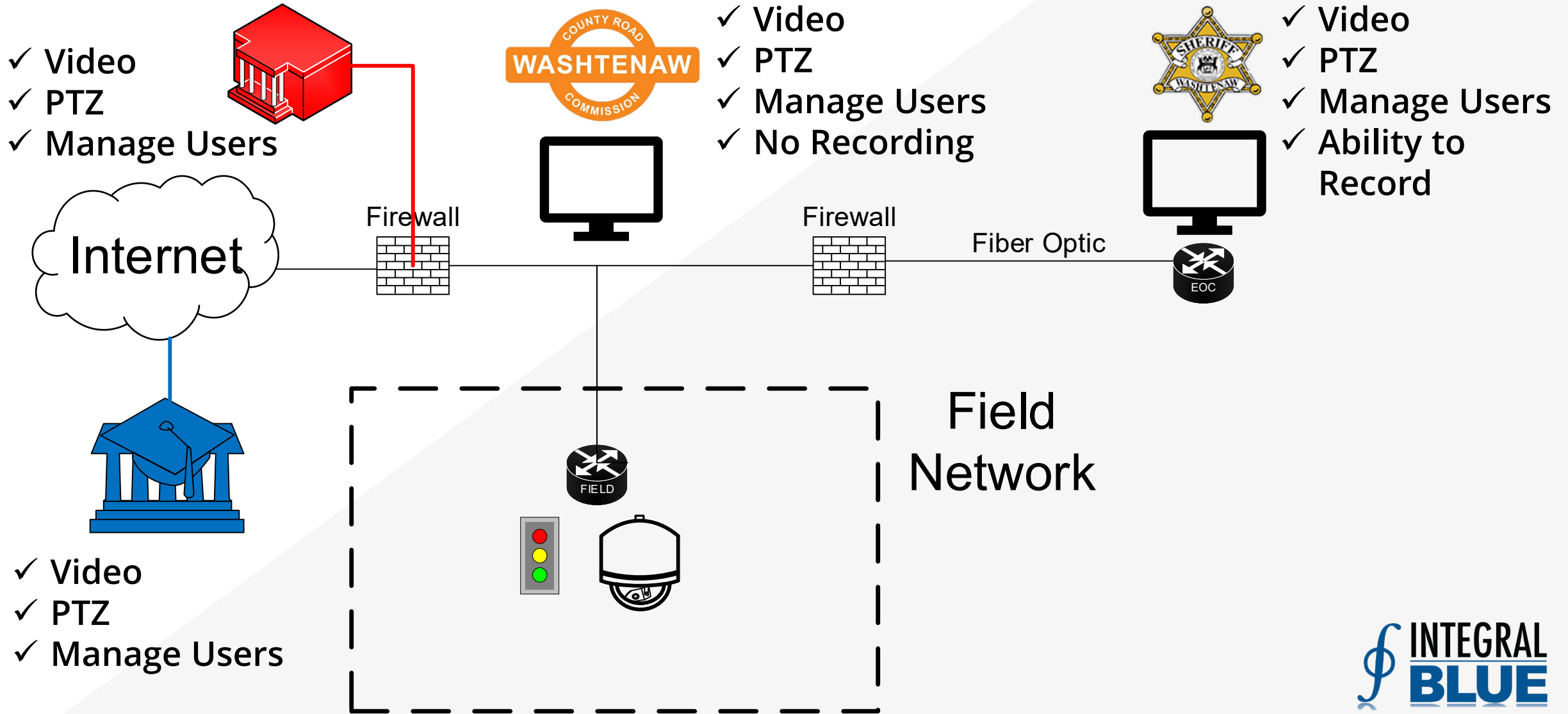


- ✓ Video
- ✓ PTZ
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The Solution: Genetec Security Center



Future Capabilities



License Plate
Recognition (LPR)



Body-Worn Cameras



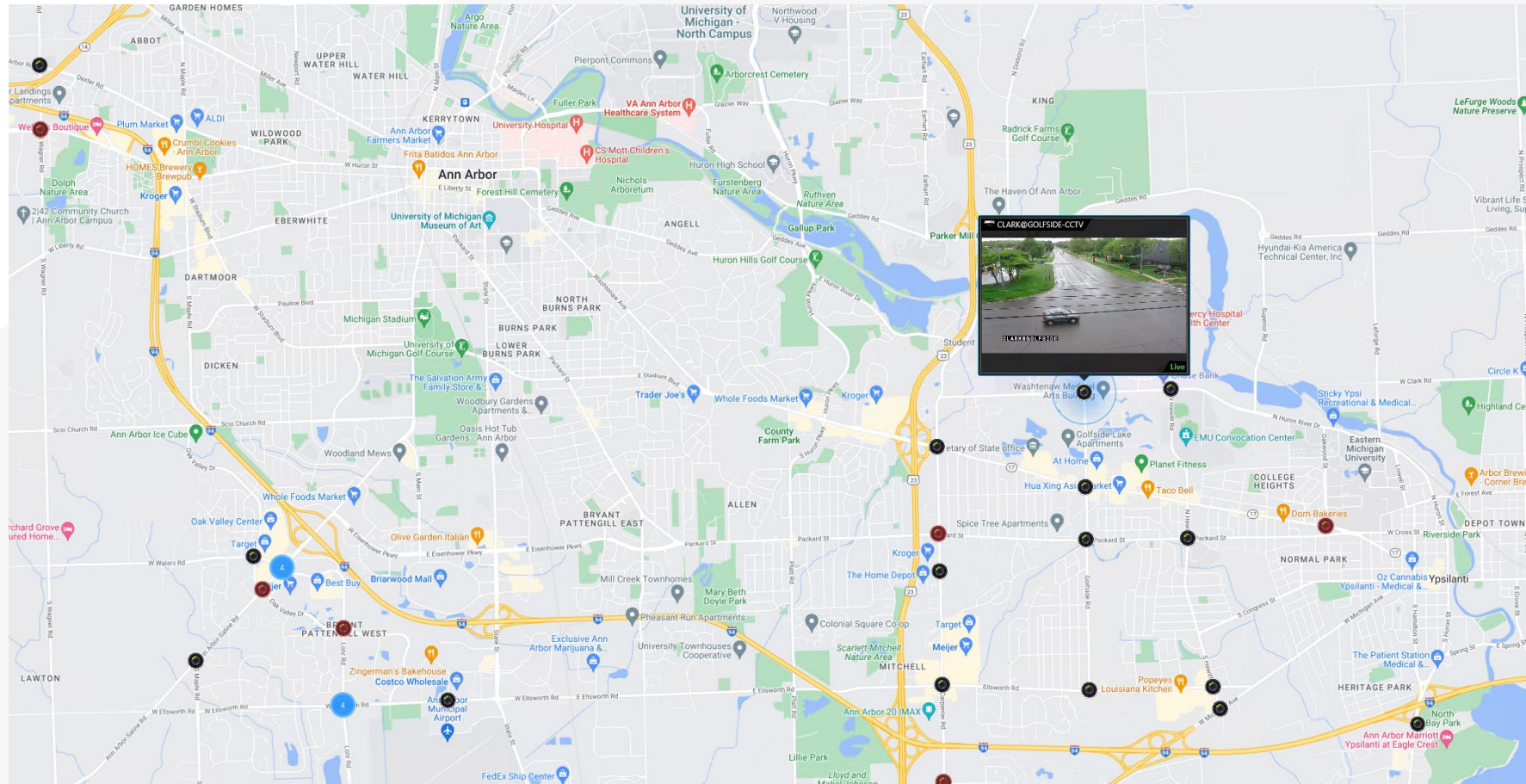
GPS/AVL



Remote Managed
Smart Locks

Takeaways


- ✓ **Different Customers = Different Solutions**
- ✓ **Security/Law Enforcement/Transportation Worlds Are Overlapping**
- ✓ **Opportunities and Ease of Agencies Sharing Assets Continues to Improve**



Questions

Security DeskMonitoring


1 ELLSWORTH@AIRPORT-CCTV



ELLSWORTH@AIRPORT

Live


2 HEWITT@ELLSWORTH-CCTV



HEWITT@ELLSWORTH

Live


3 JACKSON@PARKLAND PLAZA-CCTV



JACKSON@PARKLAND PLAZA

Live


4 JACKSON@ZEEB-CCTV



JACKSON@ZEEB

Live


5 ELLSWORTH@GOLFSIDE-CCTV



ELLSWORTH@GOLFSIDE

Live

6 CARPENTER@BELLE TIRE-CCTV



CARPENTER@BELLE TIRE

Live

Show area viewMonitoring (0)Synchronize videoShow original streamsChange tile patternClear all

Open the VaultShow controls