



Learn more at [TheSkylineDifference.com](http://TheSkylineDifference.com).

Our team of experienced IT consultants are available to help your organization find the right solution.

Contact us today.

1.410.795.2700

[Sales@Skylinenet.net](mailto:Sales@Skylinenet.net)

## SKYLINE PRODUCTS & SERVICES USED

- Claris Portal
- Stream Manager
- TS1000, SFS1000, VA1000, MV1000
- Network Engineering
- Network and Systems Security
- Network Design
- Software Engineering
- Webpage Development\*

\* Products created may require user permissions to access.



## Skyline Presents

*“The Skyline video sharing solution has already had a large positive impact on the situational awareness of our Traffic Management Unit. Management and users alike are very pleased with the product.”*

— Scott Hoffman, Manager of Network Operations,  
Pennsylvania Department of Transportation

# PennDOT

[511PA.com](http://511PA.com)

## PENNSYLVANIA CASE STUDY

### PENNSYLVANIA PARTICIPANTS

- PA Turnpike
- PA 511
- TMC 1: Erie
- TMC 2: State College
- TMC 3: Williamsport
- TMC 4: Scranton
- TMC 5: Allentown
- TMC 6: Philadelphia
- TMC 8: Harrisburg
- TMC 9: Altoona
- TMC 10: Punxsutawney
- TMC 11: Pittsburgh
- TMC 12: Uniontown

Learn more at [TheSkylineDifference.com](http://TheSkylineDifference.com).

## CHALLENGE

- Integrate approximately 900 cameras from 12 TMCs dispersed throughout the Commonwealth of Pennsylvania.
- Incorporate existing Cisco VSOM equipment located in each regional TMC into the video distribution architecture in order to leverage existing infrastructure wherever possible.
- Distribute live video to and from each regional TMC.
- Distribute live video to agency partners, including other government departments and first responders, media partners and to the new 511 website.
- Design a solution that shares video content across multiple secure networks within PennDOT.

## SOLUTIONS

Skyline designed a video sharing network architecture using a mix of locally and centrally hosted services. Each regional TMC hosts the transcoding and streaming appliances required to normalize and distribute video to other regions as well as to the cloud, where video content is streamed to the public and other partners.

PennDOT can share live video content with any potential partner or subgroup as well as with public media using either a central Claris portal or API services.



## RESULTS

- Approximately 900 cameras are available for live viewing by each regional TMC throughout the commonwealth, by the media and by PennDOT partners (State Police, Fire Departments, EMA, 911 Centers, Local Police, Local DOTs and Federal Agencies).
- Cameras are available for viewing on PC, tablet, smart phone and through applications including Pennsylvania 511 and media apps.
- PennDOT can quickly and easily manage user groups and access rights and can block any camera from public or partner viewing. New partners can be granted access in a matter of minutes, not weeks or months.
- Claris allows PennDOT to expand and include new cameras easily and cost-effectively from its own network as well as incorporating cameras from other partners, cities and counties throughout the commonwealth.