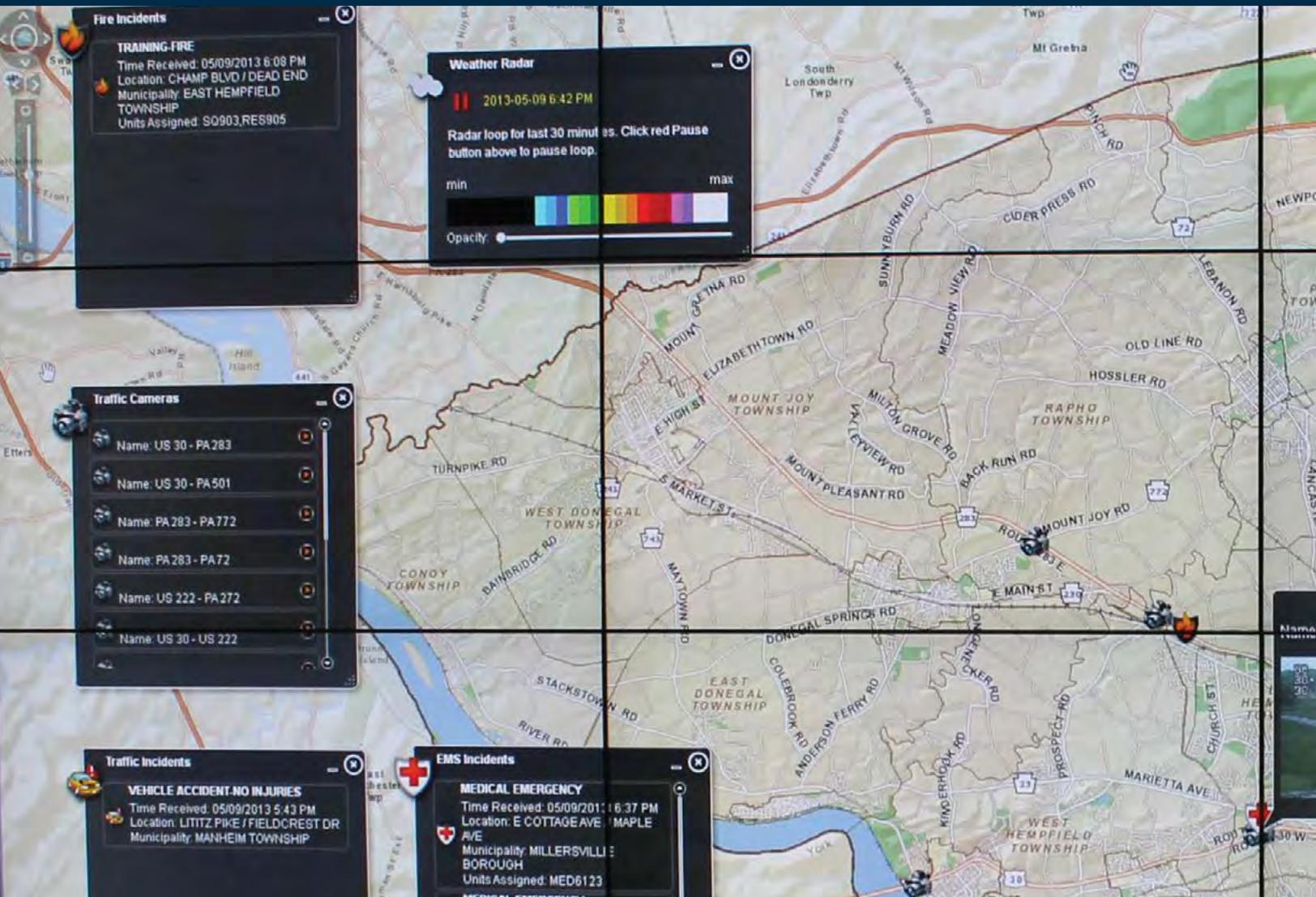




Delaware Valley Intelligence Center

The Delaware Valley Intelligence Center (DVIC) under the institutional umbrella of the Philadelphia Police Department serves as the regional fusion center and utilizes a collaborative and proactive approach to forecasting, preventing and/or responding to all-threats, all-hazards and major events.





1 THE CLIENT

Throughout the United States, city, state, and federal agencies collaborate in centralized intelligence facilities called fusion centers. In a fusion center, the resources, information, and expertise of multiple agencies can be aggregated, allowing for more effective detection, investigation, and response to criminal and terrorist activity.

In order to provide such a resource for the Delaware Valley Region, the Philadelphia Police Department collaborated with state and federal law enforcement agencies to develop a fusion center in the city of Philadelphia. The Delaware Valley Intelligence Center (DVIC) would bring together the Philadelphia Police Department, the Department of Homeland Security, Amtrak, SEPTA, and the FBI into a single collaborative space. The DVIC fusion center would include a collaborative visualization system where agencies could monitor security feeds, gather and analyze information, and address events to support public safety operations.



2 THE CHALLENGE

In order to effectively monitor public spaces and dynamically respond to events, agencies using the Delaware Valley Intelligence Center would need a [video wall system](#) to provide them with a collaborative visualization canvas. The critical nature of DVIC operations created a number of stringent requirements for the video wall system. Because the system would be in operation 24/7/365, it would need to be highly reliable and resilient. It would also need to be flexible, facilitating both surveillance operations like the monitoring of camera feeds as well as more dynamic, event-driven information aggregation and emergency response. Another critical requirement for the video wall system would be the ability to allow secure information sharing between agencies and stakeholders both within the facility and across the nation.

After researching a number of options, the Philadelphia Police Department chose Haivision MCS to design and implement the DVIC's video wall system. Haivision was selected because it was able to provide a uniquely robust system with the power and flexibility required by the DVIC. In addition, as both manufacturer and integrator, Haivision was equipped to provide hardware, software, and integration for a complete, customized solution.

3 THE SOLUTION

To meet the multifaceted requirements of the Delaware Valley Intelligence Center, Haivision created a versatile, high-performance visualization solution.

For the visualization canvas, Haivision provided a [CineView LCD video wall](#), a 4x3 array built with 55” monitors. The video wall’s array of sleek LCD screens was wall-mounted to optimize the space in the room. The CineView wall delivered a vivid, ultra-HD image and offered a wide viewing angle, making content fully visible to all agents in the room.

For the controller, Haivision implemented its [Alpha video wall processor](#). The Alpha processor was able to capture signals from disparate information sources such as video cameras, police activity dashboards, interactive maps, and cable TV, displaying the content at native resolution across the video wall. Operators could then dynamically arrange this information across the video wall, allowing them to instantly transition from surveillance activities to event-driven response. In conjunction with [Wall Control software](#), the Alpha made it possible for operators to extend the content on their video wall to auxiliary displays within the facility or across their network, promoting active collaboration between agencies and stakeholders across the nation.

To empower operators with streamlined control of the video wall system, Haivision provided Touch Control software. Touch Control provided a simple touch interface that allowed operators to instantly open and manipulate sources across the canvas at the touch of a finger. Touch Control’s intuitive interface provided a comfortable, natural user experience that allowed even first-time operators to control the system with ease.

To complete the DVIC control room system, Haivision provided a fully integrated audio system. The addition of the audio system provided operators with a multi-dimensional, fully immersive experience and facilitated video teleconferencing activities.

Haivision’s powerful, flexible technology provided the Delaware Valley Intelligence Center with the ultimate security operations visualization system. The Haivision system not only empowered operators with a robust toolkit to aggregate and analyze intelligence, but also facilitated active collaboration between agencies as they coordinated action to address critical events and protect homeland security.

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