

Case Study

ODOT, USA

Challenges

The Oregon Department of Transportation (ODOT) Region 1 Traffic Management Operations Center in Portland, OR was faced the challenge of replacing an aging video wall and video wall control system. "We needed to keep our visibility intact," said Brent Tinker, Incident Response Supervisor for ODOT's Traffic Management Operations Center. "Our camera feeds are key to our operations and we were going to lose the video wall. Maintenance was becoming a big issue just to keep the system running."

Prior to adopting Delta display solutions, the EOC was only able to provide monitoring for traffic incidents on its six screen video wall. The processing solution provided limited flexibility and power. "The original video wall had absolutely zero flexibility," noted Geoffrey Bowyer, Emergency Operations Manager. "There was nothing you could change on it without literally a legislative act to get anything done."

Technologies Used

- » 67" Rear Projection Video Wall Cubes
- » Distributive Video Control System
- » 42" LCD Displays
- » End User : The Oregon Department of Transportation, Portland, USA



Complete control through distributive video processing

With a limited budget, and an even more limited time frame to update their technology, ODOT turned to Delta Products and Azimuth Communications to provide a solution that would expand their capabilities to monitor and respond to incidents across the Portland metropolitan area while retaining all the existing functionality.



In addition to providing traditional video wall processing, and the ability to serve multiple video sources on a single display or enlarge a single video signal to span multiple displays, the DVCS also provides the ability for a centralized control system to manage multiple video walls. In selecting the DVCS from Delta, ODOT officials now had the flexibility to not only monitor cameras in their main conference room, but also provide the same visibility in a separate crisis boardroom, something not available in their previous setup.

"I know now that I can change the video wall to whatever dynamic application may come our way," expressed Tinker. "There's a huge amount of flexibility available to us that we absolutely did not have. And being able to basically replicate our command center in our boardroom is awesome."

With the lack of a central point of failure, the DVCS provided greater peace of mind to the ODOT team,. "We wanted to find different ways to have backup systems," explained Bowyer. "We have to have redundant systems or we'd be flying blind. One of the key selling points of the product was the fact that we would have that security with this new solution."

Timing was also critical. "The time pressure was enormous on all of us," Tinker continued. "The option of failure was not an option, and Azimuth and Delta made it happen."

"This was truly a collaborative effort from concept to planning and through completion," explained Steve Burnett, Commercial Division Director of Azimuth Communications. "The ODOT team was excellent to work with, and Delta's team of support personnel and engineers were extremely responsive."

Crystal clear images

Upon choosing the DVCS to power their command center, ODOT also selected Delta to provide a wall of 67" rear projection DLP cubes to act as the center piece of the control room. Providing nearly fifteen square feet of seamless viewing area, ODOT is able to easily view over 20 separate camera feeds simultaneously, allowing the operations team to collaborate on traffic incidents. Delta's displays were also utilized to provide the imaging for their crisis boardroom, with the selection of Delta's professional grade 42" LCD panels. "Attention to detail is key in our job," explained Bowyer. "You have to be able to define what impact a vehicle is having on our roadways. I needed something clearer, crisper, cleaner, and more vibrant. You can make out detail now. It provides the operators the ability to pay greater attention to the details."



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