

San Diego International Airport

Taking Flight with Advanced Security Solutions



"Velocity Vision has given us a clearer view of our airport's security landscape, allowing us to manage and respond more effectively. This solution not only saved us significant costs but also enhanced our ability to safeguard our community."

Arick Conley
Senior Security Systems Engineer,
Aviation Security and Public Safety,
San Diego International Airport

INDUSTRY

Aviation Security and Public Safety

END USER

San Diego International Airport (SAN)

PROJECT TYPE

Video Management System (VMS) Upgrade and Hyper-Converged Infrastructure Implementation

SCOPE

Integration of Velocity Vision VMS with 1,370 existing cameras/recording servers, and Hirsch Velocity access control systems across the airport, including the new Terminal 1 rebuild

IDENTIV SOLUTIONS

- Velocity Vision VMS, including base and specialized licenses
- ~1,400 Hirsch ScramblePad Readers (Doors Secured)
- Hirsch Mx-8 Controllers
- Velocity One Hyperconverged Infrastructure (HCI) implemented with Hirsch Professional Services (HPS)

BENEFITS

- Significant cost savings
- Retained existing infrastructure
- Centralized management
- Enhanced flexibility and integration with access control
- 70% reduction in energy usage
- 460% increase in storage availability



THE CHALLENGE

San Diego International Airport (SAN) required a modern VMS upgrade to accommodate the expansion of the new Terminal 1, which would double the airport's footprint and camera count. The solution needed to integrate seamlessly with existing infrastructure, improve operational efficiency, and be cost-effective.

THE SOLUTION

Hirsch's Velocity Vision VMS was deployed, integrated with its ScramblePad Readers and Mx-8 Controllers, and the Velocity One Hyperconverged Infrastructure (HCI) solution. This unified approach allowed for centralized, scalable management without the need to replace functional technology, simplifying the procurement process and ongoing maintenance.

THE NEXT STEPS

San Diego County Regional Airport Authority recently purchased 600 channels of Hirsch Vision AI advanced behavioral analytics, part of the Velocity Vision Ecosystem. Once it has been installed, SAN will continue to monitor the performance of the entire integrated system, explore additional enhancements, and maintain quarterly on-site visits from Hirsch Professional Services to ensure the VMS remains robust and adaptable to future security needs. Additionally, the airport plans to work with Hirsch to upgrade their credentials to OSDP (Open Supervised Device Protocol) for enhanced security and interoperability.



Business Situation

San Diego International Airport (SAN), owned and operated by the San Diego County Regional Airport Authority, is one of the busiest single-runway commercial service airports globally and the third-busiest airport in California. Contributing nearly \$12 billion in economic activity to the region, SAN connects San Diego to the world. In FY 2023, the Authority had \$360.8 million in total operating revenue.

In November 2021, the Airport Authority began construction on the New T1 project, which includes replacing the current Terminal 1, airfield improvements, enhanced transportation connectivity, and a new administration building. The \$3.8 billion project is expected to create between 15,000 to 20,000 construction-related jobs. This significant expansion prompted the need for an upgraded security system to manage the increased operational demands and ensure the safety of passengers and staff.

Technical Situation

The Airport Authority's existing security setup included a dated VMS that could not accommodate the advanced features needed for contemporary security demands. The technical team sought a solution that would not only mesh with the current hardware but also expand capabilities, particularly in centralized management and system flexibility.

Solution

SAN chose Hirsch's Velocity Vision VMS, integrated with its ScramblePad Readers and Mx-8 Controllers, and the Velocity One Hyperconverged Infrastructure (HCI) solution. This solution enabled the use of 1,370 existing cameras and servers while introducing advanced management capabilities, with another 1,100 cameras planned for Terminal 1. The hyperconverged approach reduced the need for specialized skills and contracted services, streamlining operations.

The airport currently has approximately 1,400 Hirsch ScramblePad Readers installed, with the new Terminal 1 expected to add another 1,000. Additionally, SAN has standardized on Mx-8 for most of their access control needs, ensuring a robust and reliable security infrastructure throughout the airport.



The Hirsch Professional Services (HPS) team played a crucial role, providing hands-on support during the deployment of hardware and the initial setup of the VMS. This support was instrumental in ensuring a smooth transition and minimizing downtime.

What Is HPS?

Hirsch Professional Services (HPS) is a premier service for customers requiring specialized integrations and rapid technology implementation.

When you work with HPS, you get:

- Direct 24/7 services line
- Access to highly trained HPS Engineers
- Rapid custom integrations
- Customized service level agreements (SLAs)

Conclusion

The integration of Hirsch's Velocity Vision VMS, ScramblePad Readers, Mx-8 Controllers, and Velocity One has transformed San Diego International Airport's security operations, providing a more connected and responsive infrastructure. This project exemplifies the airport's commitment to leveraging advanced technology for enhanced security and operational efficiency.



VELOCITY
VISION