



MAG Aerospace Tactical Operations Center

CineMassive (Haivision MCS) is a professional, responsive, and a caring team. They've got a great thing going and the continued support we receive is without competition. Our system is everything we envisioned. It works better than we hoped, and we're just getting started"

MATT WAGONER
SPECIAL ACTIVITIES TRAINING MANAGER | MAG AEROSPACE



The MAG Aerospace Special Mission Training division enables training for joint terminal attack controllers in both administrative and tactical environments. To provide servicemembers with a realistic sensory experience, the company relies on advanced visual collaboration technology and simulation. After a recent decision to upgrade its [tactical operations center](#) (TOC), MAG Aerospace turned to [Haivision MCS](#) to deliver a cutting-edge visual training experience that would educate service members in the most effective manner possible.

1 THE CLIENT

MAG Aerospace is a leader in providing and enabling real-time situational awareness to help its customers make the world smaller and safer. MAG delivers a full spectrum C5ISR services, including integration, operations, training, technical, a specialty aviation services such as special mission training for customers from around the world.

Featured Products

- Eight 55" LCD displays for a 4x2 video wall
- [Alpha FX Edge Video Processor](#)
- CineNet Visual Collaboration Platform

Featured Services

- [GuardianCare Support](#)



2 THE CHALLENGE

Offered through its Special Mission Training division, MAG Aerospace's Kinetic Strike Training Program bridges a gap in proficiency for JOC-based kinetic strike employment. Most Special Operations Units rely on external entities like MAG Aerospace to provide realistic training simulations for both administrative and tactical environments. The company's training programs are based on a "train-as-you-fight" philosophy that leverages advanced visual collaboration solutions to prepare men and women to confidently handle conflict in the tactical arena.

Over the years, the company's TOC had gone through several evolutions. What once started as a few screens in a maintenance closet evolved into a much larger and technically advanced facility. However, the visual technology systems within the TOC were not integrated and therefore not functional enough to provide training scenarios with realistic tactical timing.

MAG Aerospace decided to upgrade to true visual collaboration technology platform to become more fully integrated. This would allow them to provide a more realistic sensory experience for users that demonstrated the efficiencies and realism associated with the company's operations.

3 THE SOLUTION

MAG Aerospace turned to Haivision MCS to upgrade the visual collaboration system within its TOC. As previous members of Joint Special Operations Task Forces, leadership within the company had experienced the caliber of Haivision MCS's offerings first-hand in other theatre operations.

Haivision worked with the company to design an optimal solution that would elevate and strengthen the training experience. The team at MAG Aerospace had a firm idea of what it wanted and Haivision validated the spatial planning and design feasibility. The company ultimately implemented an eight-panel [video wall](#) to provide high definition, multi-source viewing. Additionally, the company implemented CineNet, Haivision's proprietary [critical visual collaboration platform](#). This allows MAG Aerospace to easily control video wall content without the need for technical resources.

The flexibility, scale, and full integration of Haivision's solution allows MAG Aerospace to execute training with multiple teams, including terminal attack controllers, special staff members assigned to operations positions, fire support officers, commanders, and target engagement authority.



The CineMassive (Haivision MCS) system takes our tactical operations center and creates a hyper-realistic training environment with the ability to customize displays and show multiple programs and feeds. It allows every member of the Strike team to build real-time situational awareness and prosecute as if they were working with the same technology they will see when they head down range.”

KRIS WESTENDORFF
MAG SUBJECT MATTER EXPERT, MQ-9 REAPER | MAG AEROSPACE

4 THE BENEFITS

The implementation of Haivision’s video wall and visual collaboration solutions have been instrumental in helping MAG Aerospace create a fully integrated, functional, scalable, and operational TOC. Service members experience a realistic tactical environment that has greatly improved the overall training experience.

The ability to easily control content through CineNet has been a game-changer for MAG Aerospace’s Special Mission Training division. The efficiency and ease-of-use is unrivaled and critical to delivering a realistic simulation. It has also helped the company remain compliant with current COVID-19 restrictions. Since only one screen manager is needed to control content, the solution minimizes the manpower required to run training exercises.

Looking forward, the company anticipates expanding the future uses of the TOC’s control room to meet the needs of its customers and partners.

HAIVISION IS TRUSTED BY ORGANIZATIONS WORLDWIDE



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