

Merit Medical – Manufacturing, Healthcare Case Story

## Merit Medical: enhancing manufacturing oversight with innovative video monitoring

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Merit Medical Systems, Inc., a leading manufacturer of disposable medical devices, has successfully deployed an innovative video monitoring solution that transforms how the company oversees manufacturing processes and conducts facility tours. Founded in 1987 and headquartered in South Jordan, Utah, Merit employs approximately 7,000 people worldwide, producing interventional, diagnostic and therapeutic instruments for hospitals and healthcare facilities.

Working with Milestone integration partner Stone Security, a BearCom Company, Merit has deployed AXIS F-Series modular video cameras to monitor clean-room manufacturing processes, enabling quality control oversight and providing virtual tours without requiring visitors to enter sensitive areas. This creative application of video technology has significantly improved manufacturing supervision while simplifying facility demonstrations for potential investors and clients.



**Customer**

[Merit Medical® Systems](#), Inc.



**Milestone products**

[XProtect® Corporate](#) VMS  
video management software



**Integrations**

Access Control,  
Video Analytics



**Locations**

South Jordan, Utah; Galway,  
Ireland; Beijing, China; Maas-  
tricht, Netherlands and more



**Camera count**

900+ network video cameras  
from [Axis Communications](#)



**Partner**

[Stone Security](#),  
a BearCom Company

## Challenge: balancing manufacturing oversight with clean room integrity

Merit Medical's clean-room environments require strict contamination controls that make physical access challenging. Traditional clean-room inspections required personnel to gown up in sterile attire, creating inefficiencies when engineers needed to observe production processes. This protocol consumed valuable time, potentially disrupted operations, and limited the company's ability to quickly identify manufacturing issues. It also made it difficult to highlight Merit's advanced production capabilities to investors, clients, and other stakeholders.

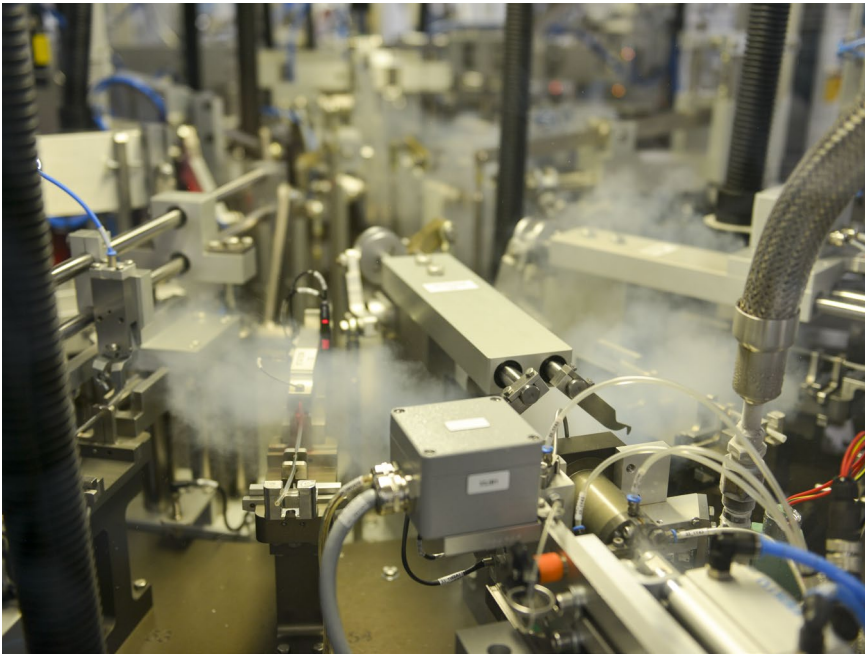
## Solution: modular video cameras for non-intrusive monitoring

Merit Medical designed a comprehensive monitoring solution based on AXIS F-Series modular cameras throughout their clean-room manufacturing environments. Working with Stone Security, Merit standardized network cameras from Axis Communications to ensure optimal system performance. The small modular cameras were strategically installed on manufacturing equipment and throughout clean rooms, providing high-resolution video without disrupting sterile environments. The solution was integrated into their existing Milestone XProtect video management system (VMS), creating a centralized platform for monitoring manufacturing processes.

## Results: enhanced overview and streamlined demonstrations

The modular camera system has transformed Merit's manufacturing operations, significantly improving quality control and operational efficiency. Engineering teams can now monitor production processes remotely, identifying potential issues before they become critical. Additionally, the virtual tour capability has streamlined visitor experiences, allowing Merit to showcase its advanced manufacturing processes without disrupting or compromising clean-room protocols.





"It's amazing. They can look at a camera view covering six hours, make a major or minor tweak on a machine, and production goes up by percentage points, which is important. When we can show return on investment by putting cameras in these areas to increase production for lean manufacturing, that's significant. It shows how video technology can directly contribute to our manufacturing performance."

## Innovative manufacturing oversight, quality control, and productivity

The deployment of modular cameras throughout Merit's manufacturing facilities has created powerful new capabilities for quality control and process improvement. The system provides supervisors and engineers with continuous visibility into manufacturing operations, eliminating the need for physical presence in clean-room environments.

The AXIS F-series cameras are used to monitor manufacturing machines, providing both operational and demonstration value. Engineering teams use the video feeds to monitor equipment performance, analyze production processes, and troubleshoot issues without disrupting the clean-room environment. When equipment malfunctions occur, engineers can review historical video to identify what led to the breakdown, providing crucial insights that would be impossible to gather otherwise.

This enhanced visibility has delivered measurable improvements to manufacturing operations. By observing production processes over extended periods, engineers can identify inefficiencies and implement targeted improvements that directly impact productivity. The company has documented cases where minor adjustments, identified through video monitoring, have yielded significant production increases.

Merit's executive team frequently uses these video feeds to showcase their production capabilities to visitors, eliminating the need for them to enter the clean rooms. These live feeds are displayed on large screens, offering visitors a real-time view of their manufacturing processes.

The AXIS F-series cameras are specifically used in the machines. Our CEO and COO will bring investors in and show these machines on big screens throughout the hallways outside the clean rooms. It is a great show-and-tell piece."

Craig Meyer,  
Director of Global Security,  
Merit Medical Systems, Inc.

## Balancing security and data privacy with flexible operational access

Merit's innovative approach to video monitoring required careful consideration of who receives access to which video resources. The company has created a structured access control system that provides department-specific views while maintaining overall system security. HR personnel receive read-only access to relevant areas, while production teams can view only their specific operations.

The company has established formal policies governing video access and usage, particularly for investigative purposes. These policies ensure that video monitoring enhances operations without creating privacy concerns or undermining management structures. Merit's security team personally trains all system users, emphasizing proper usage protocols and system limitations.

"We're very discretionary in who we give camera ability to. We only give people access to certain cameras under their purview and only when they are at work, because we do not want people supervising by video."

Craig Meyer,  
Director of Global Security,  
Merit Medical Systems, Inc.

## Preventing contamination during implementation

Installing cameras in clean-room environments presented unique challenges that required careful planning and execution. Installation personnel must follow the same strict protocols as production staff, wearing appropriate clean-room attire and taking precautions to prevent contamination. For large-scale installations, the company schedules work during production shutdown periods to minimize disruption and contamination risks.

Merit continues to expand this innovative approach to manufacturing oversight across its global operations. The success of the initial installations led to requests from other facilities, including international locations seeking to replicate these capabilities. The company is systematically expanding the system to additional manufacturing lines and facilities, with each new installation building on the lessons learned from previous deployments.

"Merit stands out among our clients for their exceptional commitment to leveraging video technology beyond traditional security applications. While many organizations only scratch the surface of what's possible with their VMS, Merit has invested the time to optimize their system, showing how today's open platform video management systems can become integral to core business functions."

Andy Schreyer, Vice President of  
Security Technology & Marketing,  
Stone Security



## Recognize the challenges?

Do you also need to see what is happening on multiple and remote premises, so you can respond in time?

Get in touch with us at [milestonesys.com/book-a-demo/](https://milestonesys.com/book-a-demo/) and let's talk about what type of solution is right for you.

### About Milestone Systems

Milestone Systems is a leading provider of data-driven video technology software in and beyond security that helps the world see how to ensure safety, protect assets, and increase business efficiency. Milestone enables an open platform community that drives collaboration and innovation in the development and use of network video technology, with reliable and scalable solutions that are proven in more than 500,000 customer sites worldwide. Founded in 1998, Milestone is a stand-alone company in the Canon Group.

[www.milestonesys.com](https://www.milestonesys.com)