

Digital Systems Installation

Delivering Robust Food Safety and Security

At the forefront of enabling quality and safety in the food and beverage (F&B) industry, Digital Systems Installation (DSI) provides turnkey solutions that work within the bounds of FSMA regulations and are backed by deep F&B production expertise.

Leveraging over 15 years of experience in surveillance and access control integration, DSI offers two solutions, "We offer cloud-based and on-premises server storage solutions, providing our clients with options to minimize hardware maintenance at their warehouse and production facilities," says Dakota Taylor, marketing director at Digital Systems Installation.

When F&B equipment experiences malfunction that causes product overflow, DSI's expertise in product partnerships can produce notifications and alerts to help clients analyze and rectify malfunctions while ensuring optimized workflows and minimal production delays.

"Our cameras can detect breaking glass, gunshots, or other unusual noises and store it in the cloud or on-prem server, offering better and more actionable surveillance analytics," states Chad Barnett, owner of Digital Systems Installation.

EMPOWERING F&B BUSINESSES TO HOLISTICALLY OVERCOME SECURITY HURDLES

DSI focuses on proactive surveillance, creating a productive and compatible video management system that seamlessly integrates with existing surveillance infrastructure and helps develop markedly improved safety practices for the industry. For instance, DSI's camera system can monitor food production processes, from raw goods to the finished product, holistically enhancing food productivity and safety efficiencies. Its portfolio identifies human errors, equipment malfunctions, safety practices, and employee performance to drive relevant changes in the production standard and employee training methodologies.

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When equipment is at maximum capacity or experiences component malfunction that causes product overflow, our cameras can swiftly identify cross-contamination and other issues to help clients analyze and rectify them, ensuring optimized workflows and minimal production delays

DSI determines strategic camera placement at critical manufacturing points and provides monitoring stations for shop floors, allowing a single manager to effectively complete multiple processes, save time, and streamline overall production. Its cameras can be placed on a specific part or across all equipment implementations.

Tying their cameras into equipment operating systems, DSI improves maintenance processes, reduces downtime, and improves overall cost-efficiency. Further boosting these competencies is its status as an official dealer and integrator for Motorola Solutions, a global leader in public safety and enterprise security.

Through this partnership, DSI distributes the Avigilon Security Suites, Avigilon Alta and Avigilon Unity, the cloud-native and on-prem security suites, allowing clients complete flexibility to tailor services suitable for any business.

"No matter the business size or complexity, the Avigilon suite allows us to find a solution that fits their customer's unique needs. Avigilon Alta can be connected to existing camera infrastructures and accessed from any IoT device while Avigilon Unity centralizes video security and access control, leveraging powerful and enterprise scalable AI," asserts Curtis Fielding, national sales director of Digital System Installation.

A COMBINATION OF PROACTIVE MAINTENANCE AND UNMATCHED INSTALLATION

Typically, when equipment stops functioning, a light or buzzer alerts the operator, who shuts down the faulty deployment and procures required maintenance. The time it takes personnel to discover the error light or buzzer could cause significant product losses. This makes it critical to know the precise time an error occurred.

To mitigate this, DSI's cameras notify the when and where of an error for clients to know how much product is tainted, saving the time and money they would have spent to sort through products individually. Markedly simplifying this process, DSI provides a live view of an incident through its Motorola integration, enabling operators and maintenance teams to quickly and accurately identify the issue, retrieve the necessary tools, and fix it. This proactive approach to equipment maintenance helps clients rapidly resolve breakdowns and maintain continual food system operations.

Concurrently, DSI's trained and certified technicians provide installation recommendations powered by concentrated expertise. From low voltage wiring to camera placement, its team takes full responsibility for client systems and delivers quick resolutions. Essentially, DSI's robust and remote technical service department logs into and resets a camera's focus and enhances its ability to



Chad Barnett,
Owner

identify issues, reducing production costs. Whether it is security cameras, access control, or customized applications, DSI's expert engineers design solutions built for diverse client-specific needs.

DELIVERING FLAWLESS FOOD SAFETY AND SECURITY

A customer success story that perfectly depicts DSI's expertise is its engagement with a dairy business client. Their dairy and non-dairy products were conveyed via a belt that controlled product flow, enabling little stops to align movement with the filler machine's release. However, due to a faulty machine flapper, this client's dairy products overflowed into non-dairy commodities. Since they had no resources to re-check packaging, they had to open packages manually to check for cross-contamination, resulting in tremendous product loss.

After installing DSI's cameras, the dairy business could gain insights into the date and exact time of contamination, enabling them to effectively verify packaging processes and take the necessary actions to prevent further problems. Above all, this collaboration assisted the client in avoiding allergy issues and potential lawsuits.

DSI is a national company with customers in 47 states on a mission to provide quick response times to global clients seeking high-quality and affordable products and educate them on best-suited safety and production equipment.

Moving forward, DSI will continue designing proactive and innovative solutions to help F&B businesses improve their food safety and productivity and build long-term relationships. 📍