



Vess

Success Story

PROMISE Vess A3340
Manufacturing Process
The Case of Introduction of Traceability

Background

Brand value and customer satisfaction are developed not only through the quality and functions of the product, but also by meeting the expectations of the customer. Because customers in Japan have particularly high expectations for quality, a system must be established to respond to that level of demand. However, enhancing cost competitiveness requires that quality be maintained at the same time that efforts are made to cut procedures and provide rapid service.

Meanwhile, the dissemination and evolution of digital video surveillance systems using network cameras has made it possible to centrally manage video data, provide rapid access to video data and analyze images in ways that were not easily achievable with the analog cameras of the past. Furthermore, network cameras have also evolved, enabling the capturing of clear, high resolution and supersensitive images. They are being used increasingly more actively, not only to record unanticipated circumstances.



Problem

When defects are detected during manufacturing inspection, an investigation must be conducted to determine the process in which the defect occurred and the measures that should be taken. However, back tracing through the work flow to determine the cause of a defect can be extremely time-consuming. In the event of critical safety-related issues, one must also consider shutting down the production line until the cause can be identified. For this reason, a system that can conduct rapid and accurate follow-up investigations is indispensable.

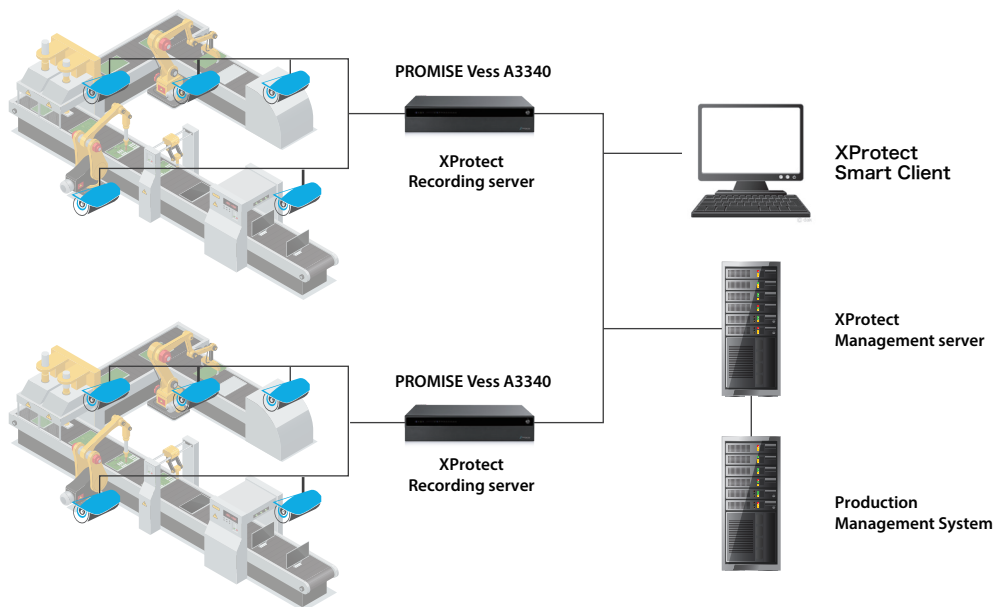


▼ Solution

The [Work Process Traceability DX for Milestone XProtect](#) sold by Canon Marketing Japan Inc. provides a solution that employs a video surveillance system to monitor the manufacturing process, enabling rapid tracing of the work process. Text information conducive to conducting searches, such as time, lot number, and serial number output from the manufacturing system, is added to the video recording as a bookmark. Text searches, as a result, make it possible to gain immediate access to the parts of footage you want to confirm. Clients who have actually introduced this system have reported being able to reduce investigation time to 1/6 of the time previously required.

Some of the world's leading video surveillance software, the Milestone XProtect video management software (VMS) can be used to configure both small and large scale video surveillance systems. In this example, the PROMISE Vess A3340 is assigned to each production line as the XProtect recording server, and the XProtect management server communicates with the production management system. In addition to the compatibility and track record of integration of the Vess A3340 with XProtect, the number of cameras needed to for monitoring an entire production line and recording capacity were both deciding factors in the introduction of this system.

System Configuration



▼ The PROMISE Vess A3340

The [PROMISE Vess A3340](#) is a storage server optimized for IP video monitoring. This high cost-performance server is integrated with the computer capability, storage volume and RAID data protection functions required for video surveillance systems. Equipped with an Intel Xeon processor and Windows OS, you are able to mount up to eight, 2TB to 14TB hard disk drives. Furthermore, PROMISE's unique SMART BOOST™ Storage technology optimizes the data characteristics of video surveillance systems that operate 24 hours a day, 365 days a year, to provide stable recording performance for the most cameras possibility. Moreover, the PROMISE Vess A series collaborates with the world's leading vendors, such as Milestone XProtect, to provide a confident user experience.



SMART BOOST
The hidden force.

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