



OPEN, RELIABLE AND AFFORDABLE SOLUTIONS FOR IP VIDEO SURVEILLANCE

CASE STUDIES ABOUT PROMISE TECHNOLOGY'S OPEN STORAGE PLATFORM FOR IP VIDEO SURVEILLANCE

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Introduction

Video Surveillance Data Boom

Video surveillance has become an incredibly important aspect of the operations of many businesses and organizations around the globe. A reliable, high-performance video surveillance solution can act as a deterrent to crime, help identify suspects, improve productivity, reduce losses and much more. With the growing prevalence of high quality and affordable IP video surveillance solutions, an unprecedented number of organizations are looking to deploy a system to help them achieve their security objectives.

When everything is taken into consideration - retention time, number of cameras, video format, compression, frame rate – the volume of data can be overwhelming. With some environments requiring video be retained for a year or more, it's clear there are real challenges. Plus, each industry, whether it be banking, city surveillance, commercial projects or any other environment, have different requirements which means designing the best solution for any given project is no simple task. Luckily, Promise is here to help!



Our values

Superior performance, quality and value

At the heart of Promise storage solutions is our commitment to provide customer-oriented solutions with the best cost/performance in the industry.

Strong partnerships

Promise has built long term relationships with major technology pioneers in the storage industry, including hard disk drive, CPU and server companies.

Outstanding global service

Promise enterprise products are backed by an industry-leading three year complete system warranty and an extensive global support organization.

Superior R&D

Promise prides itself on being an R&D focused company. We're constantly looking for ways to improve our storage solutions and continually investing in ways to provide our customers the best experience possible.

Quality products, care for the environment

In 1999, PROMISE completed its ISO 9001 certification, an internationally recognized confirmation of the strict quality controls implemented in design, development, manufacturing, distribution and service.

Promise: Experts in Video. Experts in Storage.

Since 1988, Promise has been a leader in the storage industry with a specialization in developing solutions that offer incredible performance for video centric environments. The world's largest media and entertainment organizations are just some of the companies that make up the thousands of customers who rely on Promise to ingest, edit, deliver and archive high resolution video. The performance requirements in rich media are significantly higher than is required in video surveillance but even with these difficult performance requirements this is where Promise has proven to excel.

We have taken our expertise and knowledge in video environments and developed the open storage platform for IP video surveillance. Promise is active in all of the key video surveillance segments and is able to provide a solution for deployments of any size – from standalone NVR appliances to scale-out storage solutions for large deployments and video surveillance cloud services.



Logistics

Vos Logistics

The company

Vos Logistics, founded in 1944, is an independent European logistics service provider, delivering a wide range of transport and customer specific logistics services. With 24 locations, Vos Logistics is active throughout Europe and ranks among the largest road haulers in the region. With just under 1,900 employees, the company operates a modern fleet of 1,200 vehicles, 3,000 loading units and 170,000 m² of storage space.

The need

In order to deliver on the core company values, Vos Logistics decided to upgrade their video surveillance solution at their warehouses to protect the millions of dollars of assets it stores every day. Vos Logistics faced more strict security requirements and therefore wanted an IP video surveillance solution to leverage the latest innovations in security systems.

Learn more at:

[Going the extra mile](#)

The solution

Vos Logistics placed a premium on deploying a solution that streamlines configuration and management, is easy to use, and delivers consistent throughput and reliable data protection. Promise Vess NVR storage servers, Milestone XProtect® Video Management Software (VMS) and cameras from Axis Communications proved to be the answer.

Vos Logistics deployed Vess A2210 NVR storage servers with the video recorded from all of the Axis cameras at the warehouses to a large-scale centralized storage infrastructure. Vess A2210 is a 2U 6-Bay NVR storage appliance with the latest Intel® I3 processor and Promise enterprise-grade RAID engine. Vess A2210 delivers low latency performance with bandwidth optimized for capturing and storing live feeds of high resolution video from the HD cameras Axis deployed throughout Vos Logistics.

Solution partners

Milestone and Axis



The result

Vess NVRs are certified by Milestone for interoperability with XProtect VMS

Close integration between Promise and Milestone - XProtect plug-in enables Vos Logistics to manage the NVR via the user interface of XProtect

Optimized for surveillance environments and can scale to meet long-term data retention requirements

Learn more at:

[Going the extra mile](#)

"The solution we deployed from Promise, Milestone and Axis has been exactly what we needed and has performed beyond our expectations."

Toine van Gils, Director Contract Logistics, Vos Logistics



Oil & Gas

Egyptian General Petroleum Corporation

The company

The Egyptian General Petroleum Corporation (EGPC) is the national oil company of Egypt. Founded in 1956, EGPC is the first national corporation engaged in research, exploration and production of oil and hydrocarbons in the Arab Republic of Egypt. EGPC has more than 25 oil and gas fields explored and researched throughout the region, including in the Eastern Desert, Gulf of Suez, Western Desert and Sinai.

The need

It is always a mandatory and legal objective of EGPC's IT department and onsite team to secure their oil and gas sites. They must also protect and secure the premises of their headquarters in Cairo with a strong security system that offers incredible reliability and performance. HitekNOFAL Solutions is the preferred advisor and system integrator for EGPC and was tasked with designing a cost effective, energy efficient and resilient surveillance solution.

Learn more at:

[Egypt's national oil company](#)

The solution

HitekNOFAL turned to Promise Technology, Aimetis and Axis Communications for the end-to-end system it delivered to EGPC.

HitekNOFAL helped EGPC install high-end indoor and outdoor fixed and PTZ cameras from Axis. Additionally, there are a range of motion sensors connected to EGPC's light system to light-up the areas efficiently for the cameras to record. The Promise Vess A2600 high-end NVR storage server is used as the core management and recording solution for the whole system. Vess A2600 is a 3U 16-Bay NVR storage appliance that can be deployed in mid-size to large scale deployments. The VMS solution is provided by Aimetis which includes embedded video analytics.

Solution partners

Aimetis and Axis



The result

Vess A2000 is certified by Aimetis, offering proven performance and interoperability

Vess works together seamlessly with the wide portfolio of products from Axis

Vess delivers steady and reliable throughput that results in consistency without video loss

Learn more at:

[Egypt's national oil company](#)

"The solution from Promise, Aimetis and Axis has enabled our customer to effectively manage multiple facilities and ensure the safety of its employees and infrastructure."

Hatem Nofal, Director, HitekNOFAL



City Surveillance

Singapore

The company

Singapore is one of the most densely populated regions in the world, with over 7,000 people per squared kilometer crammed into the island country. A natural issue that arises with so many people in such a small area is that legally parking one's car is not an easy task! Illegal parking is a real problem in Singapore and it affects the safety and convenience of Singaporeans and how the city-state's businesses are able to operate.

A customer of D-Ron Singapore Pte. Ltd. was selected to work on a project which required building a complete video surveillance solution to store critical legal information pertaining to the recorded video footage of illegally parked vehicles from their video management software platform.

The need

The customer worked closely with D-Ron to find a suitable storage partner that offered high-performing solutions qualified by world leading companies and whose solutions offered the flexibility to work with components and drives from a variety of manufacturers. Specifically, the customer required a storage solution that offered high-bandwidth and low latency, and they required high IOPs performance.

Learn more at:
[Singapore city surveillance](#)

The solution

D-Ron Singapore turned to Promise Technology and the VTrak storage system. For this project, the customer is using Sony VB630 IP cameras and Milestone XProtect® Corporate VMS. The recorded footage is stored on the VTrak E830 fibre channel external storage subsystem and the VTrak J930 ultra-dense 4U 60-bay SAS expansion JBOD.

The customer is stacking the VTrak installation in a secured environment connected to a number of recording servers. The incoming video comes from roads with a particularly high number of illegal parking incidents and all of the recorded feeds are kept safe in the array for a minimum of one year. The VTrak solution is configured in RAID 6 and multiple LUNs are created which are connected to the recording server via fibre channel.

Solution Partners

Milestone and Sony



The result

High-density storage offers massive capacity and conserves space

High-bandwidth and low latency performance

Active-active, dual controller and fail-over capabilities assured a 'no single point of failure' storage environment

Learn more at:

[Singapore city surveillance](#)

"Our customer had high expectations in regards to the performance and the flexibility of the storage solutions and we were able to effectively implement VTrak in their surveillance project to provide the massive capacity and high bandwidth they required."

Ronnie Hun, Managing Director, D-Ron Singapore Pte. Ltd.



Banking

Leading Netherlands Bank

The company

One of the largest banks in the Netherlands required a video surveillance solution that could be deployed at the thousands of ATMs the company has throughout the country. They turned to Videotronic Infosystems Nederland B.V. to help design the solution. Videotronic has extensive experience in designing solutions for banking, logistics, government and industrial environments.

The need

Videotronic recently helped their client build a surveillance solution for the ATM services of one of the largest banks in the Netherlands. The Service Level Agreement of the bank's ATM project offered significant reliability and cost challenges. The IT manager for the bank's ATM project had several advanced requirements, but thanks to the experience and commitment of the Videotronic team a strong solution was provided.

Learn more at:
[Reliability you can bank on](#)

The solution

Videotronic turned to Promise Vess A2000 NVR storage servers with VMS from CamIQ as the key elements of the solution for the bank.

Vess A2210 is a 2U 6-Bay appliance with the latest Intel® I3 processor that is optimized for video surveillance recording, playback, live view and archive I/O access with incredibly steady and reliable behavior that limits dropped frames.

The Promise enterprise-grade raid engine secures the data with RAID 5 protection for each system. Videotronic is running a VMS solution from CamIQ on the Vess A2210. CamIQ is a leading VMS provider whose solutions are outstanding in reliability and integration. Vess A2000 NVRs have been tested extensively by the CamIQ office in Germany and are proven to support their wide portfolio of VMS solutions.

Solution partners

CamIQ



The result

Vess A2000 supports CamIQ VMS, offering proven interoperability, optimized performance and quality

Vess NVRs offer excellent reliability to the bank with very few issues on the thousands of systems in the project

Learn more at:

[Reliability you can bank on](#)

"The world we live in shows a growing and consistent need for safety and security and the Promise Vess 2000 Series is optimized for video surveillance environments to fulfill the growing demand."

Martin van Wijk, Managing Director, Videotronic



Airports

Baghdad International Airport

The company

For years, Baghdad's International Airport and the highway connecting it to the city center were some of the most dangerous areas in all of Iraq. A new video surveillance solution was desperately needed here to improve safety and it was up to Johnson Controls Inc. (JCI) to make it happen. JCI is one of the largest building automation companies in the world focused on system integrations for big buildings, including creating safe and secure environments through high-performance video surveillance solutions.

The need

With the efforts to rebuild the infrastructure around Baghdad after years of violence, JCI was tasked with rebuilding the surveillance system at the Baghdad International Airport, the main route to the airport, and the city center. JCI was asked to help develop the security platform as part of the project to observe and control the traffic flow from Baghdad International Airport to Baghdad's city center.

Learn more at:

[Baghdad International Airport](#)

The solution

The deployment consists of more than 400 cameras throughout the airport, the main highway connecting the airport to the city center and the city center itself. After a thorough approval process, JCI deployed over 40 Promise VessRAID external storage units which are used to store the recorded video in the installation that includes more than 20 servers and 30 workstations. During the installation, JCI was supported remotely by a team of Promise engineers who also gave JCI extensive training on how to configure the storage solutions as part of the project.

The result

Scalable, high-capacity storage system where all video can be stored safely and secured

Highly flexible and compatible with recording devices deployed as part of the solution

High-bandwidth, low latency performance for fast access to video streams
Best combination of price and performance

Learn more at:

[Baghdad International Airport](#)

“VessRAID delivered the performance, flexibility and capacity the project required in a storage system that was more cost-effective than competing solutions.”

Bilsay Çitak, Senior Sales Engineer, Johnson Controls Inc.



Promise Technology:

The Open Storage Platform for Video Surveillance

- High-performance NVR storage servers optimized for video surveillance
- High-capacity, scalable storage for even the largest projects
- Extensive partner ecosystem ensures your solution works flawlessly

Promise helps your video surveillance project with proven and reliable technologies combined with outstanding service and support.

Learn more at:

[Promise Video Surveillance Solutions](#)

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