

Evolving bank security.

Easy and effective IP surveillance
solutions for banking and finance.



BANK CENTER

Stay ahead of evolving crime.

The world of banking is changing. Not only are criminals finding new and cleverer ways of conducting their crime, but financial institutes are also facing stronger demands for cost-efficiency and compliance in day-to-day work. Banks have many security challenges, with particularly ATM crimes on the rise. The best surveillance solutions deter criminals, prevent crime and, if worse comes to worst, can be used in identification.

Being the world leader in network video surveillance, Axis offers the full range of IP surveillance solutions for the banking and finance markets. Our solutions meet new security challenges and deliver excellent HDTV image quality, while being compliant with corporate and government legislation for security and safety of staff and customers. With our solutions you are able to stay ahead of evolving crime – and make banking safer today and tomorrow.

Partner for a future-proof system.

Axis has long experience in network video solutions, driving the transition from analog to digital.

IP surveillance is our core and we understand the challenges, security issues and possibilities when incorporating network video into the banking world.

With Axis' solutions you can be sure to get an open and flexible platform that can be integrated into existing analog equipment and CCTV installations step by step – as they're needed. Axis' open system also allows you to add functionality later on, from encoders and cameras to proactive security measures and video intelligence.

Our complete product portfolio for banking has made us the preferred supplier of security cameras for major banks. As a global company, we are proud of our local presence and support, along with continuous work on our corporate social responsibility for increased sustainability and reduced environmental impact.



Refine forensic results

With Axis' cameras you can have crystal clear HDTV quality images, which allow you to see details and identify people faster. Our offer includes cameras for difficult lighting conditions and almost complete darkness, so you will always have the best image quality possible. Centralized management of video surveillance with Axis' cameras makes images easily accessible and able to be delivered safely and quickly to the police.

Improve operational efficiency

It is possible to integrate Axis' surveillance solutions with alarm and access control systems for a complete and efficient security platform. By having remote access and the possibility for central management, alarms can be visually verified. This means that unnecessary call-outs can be avoided and costs for false alarms can be reduced.

Fight crime pro-actively

Axis' cameras can come equipped with smart capabilities, such as video motion detection, audio detection and anti-tampering alarms, and the installable application cross-line detection. When provoked the cameras set off an alert at the centralized monitoring room or in a smartphone, so appropriate action can be taken. Axis' cameras can be fitted with video intelligence such as licence plate recognition, face recognition and loitering. These may be used for both preventive and investigation purposes – giving you all the means to fight crime proactively.

Enhance the customer experience

Together with our software partners we are able to offer a range of intelligent video applications for our cameras. These include people counting, queue management and identifying VIP customers – features that can help you be proactive in how to manage busy hours and number of open tills – all in all enhancing the customer experience at your branch.

Complete off banking situ

At Axis we have the complete range of products needed to deter criminals and get excellent image quality from cameras placed in for example branch offices, ATMs and corporate financial buildings. In the end, it's about improving safety for your customers and employees, making sure you have the cameras that capture the images you need.

ATMs

Concealed installations catch the criminal

As the number of ATMs are increasing with growing cash volumes being handled, criminals also see their chance. ATM crimes are on the rise along with new types of criminal behaviour such as card skimming, cash or card trapping, transaction reversal fraud, shoulder surfing, vandalism, robberies, loitering, ram raids and gas explosions.

To meet these important ATM security challenges, Axis offers a combination of built-in and external cameras. Covert installations include pinhole HDTV cameras for ATMs which are able to provide close-up face images for identification. Footage can be recorded and stored cost-effectively using a built-in SD-card or through standard NAS.

Corporate buildings

Efficient solutions for all lighting conditions

For efficient building surveillance, we offer both indoor and outdoor solutions to cover for example the reception area, corridors, the parking lot and the building perimeter. Our different solutions for these areas can be integrated with access control and intrusion alarms.

One challenge when surveilling corporate financial buildings is the varied lighting conditions that need to be dealt with. Axis' Lightfinder technology is particularly suitable in areas with low light, for example in dark corridors and in rooms where the light is turned off. Thanks to Lightfinder you can still get excellent color images in poorly lit situations.

Branch offices

Every angle and corner covered

There are many angles you need to cover in a branch office, from overviews of the waiting areas and ATM vestibule, via images over the tellers, recycling area and vault, to close-up face images at the entrance and exit. In places with challenging lighting conditions, such as large windows and entrances with glass doors and shiny floors, Axis' offers wide dynamic range cameras (WDR). These cameras adapt to changing lighting conditions and strong backlight in order to always deliver clear HDTV images.

One challenge at branch offices that are still using analog CCTV installations is that office staff need to manage the video. Images are stored only locally with no back-up and different branches have different systems. With Axis' solutions you can choose to have a centralized system with remote access, greatly facilitating extraction of images. Axis' surveillance also enables live monitoring and integration into alarm systems, so your branch becomes even safer. When a branch office is shifting from analog to digital surveillance, it is possible to have encoders for existing installations. In this way you can enjoy the benefits of IP in places that are not so sensitive to image quality.



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“ The outstanding image quality of our Axis network cameras helps security personnel easily and timely identify attributes of incidents.”

Mr. Lo, Director, Mega International Commercial Bank.

Banco do Nordeste raises its level of safety with the use of IP technology.

Brazilian bank modernizes its CCTV system, installing Axis network cameras.



Organization:

Banco do Nordeste do Brasil S.A.

Location:

Fortaleza, Ceará, Brasil

Industry segment:

Banking and finance

Application:

Safety and security

Axis partners:

Anixter, Digifort, Imagem Segurança

Mission

Banco do Nordeste do Brasil (BNB) is the largest regional development bank in Latin America. Its Administrative Center, in Fortaleza had an analog CCTV system. This was causing a loss of quality of the monitored images, which raised concern for the Executive Manager of the Bank Security Division of the Corporate Security Environment, José Boileau Esmeraldo Júnior.

Solution

Through a public tender process, BNB purchased Axis network cameras, and had them installed by integrator Imagem Segurança. The distributor Anixter organized the delivery of 25 AXIS P1344 Network Cameras with vandal-resistant housing, as well as 16 AXIS P5534-E Network Cameras, two AXIS T8311 joysticks and one AXIS Q7401 Video Encoder, complementing the offer of 5 cameras installed previously: four AXIS M1011 and one AXIS 207.

In the acquisition phase, there are also 10 AXIS M1054 Network Cameras included. All this equipment is integrated with the Digifort Enterprise software.

Result

The initial results were considered by José Boileau to be satisfactory, "particularly due to the gains in image quality and the ease of installation, besides enabling basic support to be carried out by internal network maintenance team." In the Executive Manager's view, "the solution acquired by the Bank is in keeping with the latest market trends, which guarantees a prolonged useful life of the system, lower maintenance contracts, and flexibility of updating."

“There were problems with the old infrastructure, which was based on an analog system, particularly in regard to the peripheral cameras, which had poor image quality, making processes of investigation and diagnosis difficult.”

José Boileau Esmeraldo Junior, Executive Manager of the Bank Security Division of the Corporate Security Environment.

The choice of IP technology

The initial stage of the surveillance project included only the peripheral cameras, particularly the gates and parking areas, with a total of 46 cameras. At present, the Administrative Center still has analog cameras, which will gradually be migrated over to IP technology, maintaining the same quality standard as in the first phase.

Modernizing its surveillance system was important for giving the bank better control over the main points of access to its headquarter's premises, giving high definition images that enable it to analyze the large flow of traffic and areas where materials are stored and transported, as well as the perimeter of the administrative center. “The IP cameras are used for monitoring and dealing with any type of occurrence in a timely way, as well as for monitoring events, and checking and investigating incidents,” said José Boileau.

With a clear demand for high quality images, the decision to use Axis solutions was natural, as Dráurio Pinho, Sales Director of Imagem Segurança explains: “Axis was chosen because it is the manufacturer that has the widest range of high technology products, and prices compatible with the quality of the equipment, with models that can be adapted to various applications.”

Looking to the long-term future

In the planning phase, it was observed that the implementation of a new surveillance system based on IP technology was viable, because it uses the network infrastructure with Gigabit Optical ring, and computational resources, like the network server and storage equipment, that were already available internally. “This significantly lowers the cost of implementing the system, besides significantly increasing the level of availability, reliability and quality of the images,” said José Boileau.

The new cameras use HDTV resolution, which provides a high-quality image, particularly when zooming in on distant targets. In terms of storage space, the H.264 compression standard has led to significant savings in space, without losing image quality, and also enables individual configuration of video streams for different scenarios, such as higher speed and resolution for visualization, and lower for recording, to save storage space.

With the use of the PoE (Power Over Ethernet) resource, the labor and materials for installation of the cameras have been significantly decreased, since the data and energy use the same cable. Seeking to increase the level of availability of the images, the cameras also have a memory card for recording images locally, if the network is not functioning, and portable no-breaks for autonomous functioning, in the event of equipment failure. For the external surveillance, the housings have IP66 protection, which makes them impervious to dust and rain.

After the implementation of the project, all these resources have proven useful for serving the needs of Banco do Nordeste, confirming the hopes placed in the system before the implementation. “The main requirements for a good electronic security system”, explained Jose Boileau, “are scalability and interoperability; the resources should be able to keep up with the growth of the client's needs, as well as enabling integration with other systems, such as control of physical access, perimeter alarm, building automation, and fire detection. And because these are major projects, they need to have a lengthy life-span.”



ANIXER

Digifort
IP Surveillance System

Imagem Segurança
Soluções em Imagem

Mega International Commercial Bank implements outstanding security surveillance from Axis.

Network camera solution provides proactive prevention and timely resolution for any security incidents.



Organization:

Mega International Commercial Bank

Location:

Taipei, Taiwan

Industry segment:

Banking and finance

Application:

Safety and security

Axis partners:

Alpha Pricing, Milestone

Mission

As an investment-class financial organization, Mega International Commercial Bank is committed to ongoing improvement of its approach to any security issues by fortifying its security defense system eliminating blind spots and making it possible to immediately control and resolve any incident on and outside its premises. Only proactive deterrence and prevention mechanisms can ensure the best financial service quality.

Solution

Mega International deployed AXIS M1031-W Network Cameras. AXIS M1031-W, which offers two-way audio communication and integrates a passive infrared sensor, enables the bank to precisely monitor the premises and vicinities of its more than 100 domestic branches with the lowest manpower required.

Result

With the newly deployed AXIS M1031-W, Mega International Commercial Bank is able to immediately resolve any security and customer service issue by effective deterrence and prevention before anyone or anything suspicious poses real risks, and additionally providing necessary support to related departments. The high resolution of Axis network cameras also provides effective evidence to facilitate dispute and issue resolution.

“Our 4-phase implementation of the new generation network surveillance system has enabled proactive security management. The outstanding image quality of our Axis network cameras help security personnel easily and timely identify attributes of incidents. As a result, we are free from any security blind spots and able to provide the best protection to our premises and customers..”

Mr. Lo, Director, Mega International Commercial Bank.

Proactive prevention and timely resolution for any security incident

Mega International Commercial Bank, which belongs to Mega Financial Holding, has 108 domestic branches as well as 33 overseas branches and other operations. It is an investment-class financial organization with approx. 5,100 employees. Anyone who has the opportunity to visit the security control service center of the bank is likely to agree that robust security surveillance not only helps it immediately stay on top of, and properly respond to, any incident or issue but also accurately and preemptively identify anyone and anything suspicious. AXIS M1031-W Network Cameras provide a powerful protection and require the lowest manpower, featuring the highest return on investment.

How does Mega International Commercial Bank make it? Effective implementation of national-class security and investment in the most advanced network surveillance technologies are the two factors key to the impregnable security for the bank.



Axis empowers Shaanxi Rural Credit Cooperative to improve its HDTV video network system to a new high.



Organization:

Shaanxi Rural Credit Cooperative

Location: China

Industry segment:

Banking and finance

Application:

Safety and security, access control, remote monitoring

Axis partner:

Shaanxi Xinkelong Electronic Technologies, Co., Ltd.

Mission

As network technologies continue advancing and IT deployments go further, the video surveillance industry has stepped into the network era. Video surveillance is developing towards networking, modularization, and high definition, to meet user demands for high definition, robustness, reliability, ease-of-use, resilience, scalability, and ease of installation and maintenance.

Shaanxi Rural Credit Cooperatives Union (hereinafter referred to as "the Union") is growing rapidly, and currently maintains more than 3,000 points of presence and hundreds of off-premise ATM self-service sites. HDTV network cameras were needed for the key areas at the banking sites, including main gates, bank note handover areas for cash carriers, outer/inner areas, counters, and ATM self-service areas, to address the business-critical requirements for "clear faces", "clear bank notes", "clear details", "clear interior/exterior environments", etc.

Solution

On the basis of the specific HDTV surveillance requirements of the Union's points of presence, Axis network cameras were selected with functionalities and performance purpose-designed for banking, and in accordance with the actual conditions on the sites, as well as the business requirements, the Union formulated the plan as follows:

1. Main gates of the banking offices: Bank employees enter/exit the offices through the main gates, and all clients access the offices through the main gates for financial transactions. So, additional HDTV network cameras at the main gates enable facial recognition. Devices deployed: AXIS Q1604 Network Cameras with WDR functionality.

2. Back doors of the banking offices (bank note handover areas): Bank note handover is carried out in areas between the banking offices and cash carriers, for cash entry into the offices in the morning and cash return to the vaults at night. Naturally, the risk of robbery is great. Devices deployed: AXIS P1354 Network Cameras with Lightfinder technology.

“The world-leading Axis products bring superior image quality, and their unique features and functionalities meet the Union’s needs. Remarkable low light, Wide Dynamic Range IP cameras provide the high degree of color revivification, high image clarity, as well as stable and reduced bandwidth and storage requirements, which are just what the Union wants. In particular, Axis’ panoramic view products feature wide coverage per unit, and offer outstanding functionality and performance to reduce the Union’s investment.”

Cai Dong, general manager of Shaanxi Xin Ke Long Ltd.

3. Banking office environments: The banking office environments are the areas where clients queue to handle financial transactions. In this place, risks are greater since cash flows between the bank tellers and clients, and the clients are allowed to move as they like. Devices deployed: AXIS M3007-PV Network Dome Camera with 360° panoramic view.

4. ATM self-service settings: All ATMs in self-service settings were originally equipped with analog pinhole cameras, which didn't provide good facial recognition or identification for access control. Devices deployed: AXIS Q1604 Network Cameras with WDR functionality.

Result

1. Application of Wide Dynamic Range technology: The Union needs details about persons and vehicles in its operating environments, so the cameras are expected to provide high definition, accurate color revivification, superior WDR effects, sufficient data that allows for identification of the colors and license numbers of the passing vehicles, and excellent image quality, free from high light impact in the environment.

AXIS Q1604 Network Cameras were deployed which feature WDR, providing “dynamic capture” capabilities, enabling an ideal solution for monitoring applications in the highly variable lighting conditions, particularly, in circumstances where the light comes through a tunnel creating both shadow and bright zones. In these demanding environments, AXIS Q1604 allows for the user to clearly identify people and objects. The cameras’ Wide Dynamic Range with dynamic capture uses several images with different exposure times. Advanced image processing results in video with exceptional clarity and sharpness. Therefore, no part of the image turns out too dark or too bright.

2. Application of the Lightfinder technology: At the back doors of the Union’s banking offices (bank note handover areas), the cameras are expected to provide high clarity, accurate color revivification, and particularly, low light performance for poor lighting conditions at nighttime.

AXIS P1354 Network Cameras with Lightfinder technology were deployed. AXIS P1354 is a fixed day and night camera with superb image quality, delivering excellent H.264 performance in a robust design. Superior video quality is provided with progressive scan in multiple individual H.264 streams, as well as Motion JPEG streams. The focus assistant, remote back focus and pixel counter features simplifies installation. The outstanding light sensitivity supplied by Axis’ Lightfinder technology, with maintained colors even in very poor lighting conditions, is obtained by a combination of Axis’ expertise in image processing, system-on-chip development and selection of the best optical components.

3. Application of 360° panoramic view cameras: In the outer environments in the Union’s banking offices, it is necessary to monitor facial features, and activities of the clients during business hours as well as unauthorized entry. Therefore, the cameras are expected to provide high definition, accurate color revivification, no blind zone and wide coverage.

AXIS M3007-PV Network Cameras with 360° panoramic view cameras were deployed. They offer multiple viewing modes: 360° overview and dewarped imaging technologies, including panorama, dual panorama, quad views and support for digital pan/tilt/zoom functionality. Multiple video streams in H.264 and dynamic JPEG formats can be transmitted simultaneously.

4. Ultra-low bandwidth and storage requirements: The Union’s existing distributed management model will be transformed into centralized surveillance and management with city-level secondary banking surveillance centers, which are then connected to the provincial and national security networks, thus extending the monitoring coverage and tools, freeing the operators at the local sites from device maintenance, and improving the overall efficiencies and effects. Axis cameras with high-performance video compression algorithms, deployed in the Union, provide the ability to transmit the HD images with the limited bandwidth. This reduces bandwidth requirements while ensuring the high quality of images



Remote monitoring of bank branches using Axis network cameras.

Over one thousand Axis cameras monitor the work in Russian Standard Bank branches.



Organization:
Russian Standard Bank

Location:
Russia

Industry segment:
Banking and finance

Application:
Remote monitoring,
customer service

Mission

The objective of this project was to remotely monitor bank branches; it currently also includes two subordinate objectives: to detect employee violations of internal regulations and to identify the busiest offices in real time.

Solution

The cameras selected for the project were AXIS 213 PTZ and AXIS P5512 PTZ Network Cameras, AXIS M1011 Fixed Network Cameras and AXIS 212 PTZ Network Cameras with ultra-wide angle. Depending on the size and layout of rooms, 3–4 network cameras (on average) were installed in each branch. Today, the project uses a total of 1,012 Axis cameras.

The bank developed its own software for the project. A network resource was developed for monitoring in order to display information transmitted from cameras in online mode.

The resource includes a multi-user interface with online transmission, integration with the Active Directory and systematization of video streams by region.

In order to reduce the load on communication channels, images are refreshed several times per minute and then archived in data storage.

Result

As a result, the bank's management gained a tool that allows them to monitor bank branch employee activity, to get an up-to-the-minute picture of how busy branches are and to detect violations of internal regulations and fraudulent activity. Information from cameras can be used to investigate complaints. In addition, many bank divisions use the video system for their own purposes (such as verifying correct placement of advertisements or IT equipment status).

“Executing the project has resulted in better customer service in bank branches; the number of complaints has decreased. We can now get a picture of what is happening in the branches in real time. Axis cameras have, for their part, successfully achieved the set objective.”

**Maksim Goldin, Chief Specialist of the Project Development and Execution Department
Russian Standard Bank Branch Network Division.**

Russian Standard Bank

Russian Standard Bank was founded in 1999. Russian Standard holding company is the main shareholder in the bank. Today, the bank is one of the largest national financial institutions in the country. It has over 320 branches and 5,000 ATMs and terminals in Russia. Russian Standard Bank maintains high standards of corporate management and corporate ethics. The bank management adheres to international principles of management and business transparency. Bank employees are instructed to provide as much access as possible to financial services and the best level of service.

Project parameters

Different branches are rarely equally busy. Long lines harm the bank's reputation in the eyes of customers; at the same time, low customer traffic per employee is not economically sustainable. Therefore, in order to achieve the greatest efficiency, the bank needs to optimize branch operations depending on the time of day, day of the week or date.

Due to its individual characteristics, the financial sphere attracts various kinds of white-collar criminals. And many banks literally have to pay the price to find out who the criminals are among their staff. Discovering a potential fraudster or disloyal employee sooner will lessen the consequences of his or her tenure at the bank.

High standards of customer service require continuous real-time monitoring of the bank's branch operations. The management must have the ability to monitor branch loads, observe improper employee behavior or appearance in real time and stop unusual or illegal activity in its offices.

The geographic distribution of branches throughout Russia makes this monitoring impossible without an efficient video surveillance system.

The primary requirements for such a system must be high image quality, equipment reliability and the ability to work with an extensive network of video cameras.

Camera selection

The bank held a call for tenders, taking into account its functional requirements and desires, in order to select a supplier. The bank branches have various layouts, so the project required both fixed and pan/tilt/zoom cameras with various properties. As a result, a shortlist of potential winners was drawn up, from which Axis was selected based on its technical and financial parameters.

Why Axis cameras?

The company's product line has a wide range of camera models, including fixed, pan/tilt/zoom, thermal and panoramic cameras. Axis cameras can transmit high-quality images, and the video codec used minimizes the load on communication channels. The equipment's operational stability reduces time and money lost during maintenance.



Advanced video surveillance system for banks.

High quality imaging, easy access to video recordings and low costs are clear benefits of IP video surveillance systems.

**Organization:**

Equa bank a.s.

Location:

Czech Republic

Industry segment:

Banking and finance

Application:

Safety and security

Axis partners:

MC Systems and Services s.r.o., NUOO

Mission

Equa bank a.s. is a modern banking institution in the Czech Republic operating 12 branches with more than 50,000 clients. The company entered the Czech market in July 2011 after taking over Banco Popolare Česká republika, a. s. During reconstruction of 6 branches owned by the previous bank, management needed to resolve several video surveillance system issues. The existing analog camera monitoring system was unreliable and the bank needed to elaborate a user-friendly and reliable solution while keeping the cost as low as possible.

Solution

MC Systems & Services s.r.o, as one of the suppliers of bank security systems, decided to design a completely new system based on IP. Eight to twelve AXIS P3304 Network Dome Cameras with 1 MP resolution and WDR (wide dynamic range) were installed at each of the 6 branches. Camera recordings are stored at the branch in a compact NUOO Mini or NUOO Titan video management (NVR) network storage system, allowing the connection of up to 16 cameras.

Result

The installed camera system provided Equa bank branches with an economical, user-friendly and simple video surveillance solution. Axis network cameras provide high-quality imaging with high resolution and wide dynamic range, and thanks to local NVR storage the capacity of the data network is not overloaded. Authorized personnel, either at the bank branch or at the bank headquarters, may easily access video recordings online at any time. Technicians may also perform remote maintenance or make minor corrections to the camera surveillance system via the network connection.

“We had to adhere to our low-budget, but at the same time needed a high-quality image and stable solution with minimal maintenance demands. Our experience thus far indicates that the IP camera system solution was a very good choice.”

Josef Bilek, Head of IS Security, Equa bank.

Tradition, or the future?

Banks were among the first places that camera surveillance and monitoring systems were installed in the 1970s. Monitoring and surveillance technologies have been subject to rapid developments and the introduction of IP cameras brought many advantages. “Traditionally, banks use analog, but rather well designed camera systems. If the camera system needs to be expanded, we usually recommend building a digital system in parallel with the analog system, as the digital system represents a better choice for the future. Both systems can easily work together, and if a camera needs to be replaced, a digital camera is installed instead,” says Milan Urbánek from MC Systems & Services s.r.o. “However, in the case of Equa bank, we have recommended installation of a new IP digital system because the original analog system was unreliable and could not be easily extended.”

Clearly usable imaging

What benefits has the IP camera system brought to Equa bank branches? First of all, high-quality imaging. AXIS P3304 Network Cameras offer a 1 MP resolution and wide dynamic range (WDR), which further improves video quality even under high light contrasts, which are common in many banks as a result of numerous high gloss surfaces. Another benefit is easy online access to video recordings. NVR recordings stored in NUOO storage may be easily accessed online by authorized personnel when needed, plus under regular operation the capacity of the data network is not overloaded.

Savings, expandability and reliability

The network solution brought installation cost savings as ethernet cable was both used to supply power to the cameras and to transfer video signal. The compact NUOO storage replaces expensive servers and allows the user to connect additional IP cameras without significant cost in the future. Because the system is very reliable and camera settings or corrections may be performed by a technician online, the system maintenance costs are also significantly reduced. “We and our clients believe that human labor is expensive,” says Milan Urbánek, “and therefore, we are very pleased that this system is effective and virtually maintenance-free, aside from one annual preventive inspection.”



Equa bank



NUOO
The Intelligent Surveillance Solution

Liberty Life invests in IP-based Axis surveillance as well as building management solution.

New KwaZulu Natal regional headquarters takes a serious approach to security.



Organization:

Liberty Life

Location:

Umhlanga, KwaZulu Natal, South Africa

Industry segment:

Banking and finance

Application:

Building safety and security

Axis partner:

ML Technologies (Pty) Ltd.

Mission

The glorious, sun-kissed suburb of Umhlanga Ridge, north of Durban (South Africa), is home to Liberty Life's plush new regional office. The 11,000 square meter building was designed and built with an emphasis on environmentally-friendly features and energy-saving technology, as part of Liberty's commitment to the national Energy Efficiency Accord. Liberty Properties' stringent security and building management system criteria necessitated the installation of a sophisticated, effective surveillance solution.

Solution

ML Technologies (Pty) Ltd, a company specializing in high tech network solutions, was awarded the security and building management installation tender issued by Liberty Properties. Various Axis network cameras were installed in strategic locations to maximize the efficiency of the system. ML Technologies was instrumental in designing a surveillance solution, using Axis network video products, as well as the Honeywell EBI solution which effortlessly meets the uncompromising security standards set by Liberty Properties.

Result

The central control room, situated within the Liberty Life development, is able to maintain strict control over the movement of persons entering the premises, thereby reducing the security risks associated with modern day buildings. Axis network cameras are used to monitor vital areas throughout the building, while the EBI system is used to monitor and control equipment, such as extraction fans, standby generators and water levels, ensuring that swift action can be taken to avert possible incidents or malfunctions. All critical areas of this vast building can be accessed via the surveillance system, providing peace of mind for visitors and staff alike.

“We are very impressed with the quality of the installation and the phenomenal clarity of the camera images.”

Willem Visser, Property Risk manager, Liberty Properties.

A camera for every eventuality

ML Technologies, with its extensive experience in the surveillance industry and high profile client base in all sectors of the economy including Mondi Business Paper, Pioneer Foods, Blyvooruitsicht Gold Mine, NPC-Cimpor and Universal Print Group, is well equipped to make the right decisions concerning security products. As the world moves towards IP network solutions, ML is focused on offering their clients a fully integrated system consisting of technologically advanced equipment in a flawlessly designed configuration.

It is this dedication to perfection that led to the installation of Axis network cameras at Liberty Group's Umhlanga offices. ML Technologies carefully selected the appropriate Axis network camera based on the individual location requirement.

The AXIS P3343 Fixed Dome Network Camera, chosen for its compact design and ability to operate in low light conditions, secures the fire escape passages where space is limited and light conditions are not optimal. "The remote focusing functionality, tamper-resistant housing and ease of installation provided by Power over Ethernet makes this an ideal camera," remarks Regardt Kruger, Technical Director of ML Asset Management (Pty) Ltd (holding company of ML Technologies).

Vehicle entry and exit is monitored by the AXIS 216MFD Network Camera. The megapixel resolution of the camera allows for the crystal clear identification of license plates and vehicle occupants.

Discreet and unobtrusive surveillance throughout the building is provided by the AXIS P3301 Fixed Dome Network Camera. This camera is capable of supplying crisp, superior quality images in both illuminated and low-light conditions.

The robust AXIS 221 Day & Night Network Camera, installed internally and externally, offers day and night functionality and operates effectively in sections of the building subject to dusty conditions and temperature fluctuations.

Progressive security in a contemporary setting

As the regional office for both Liberty Life and STANLIB, South Africa's largest unit trust provider, this state-of-the-art development is of great strategic importance to the Liberty Group and is believed to be the Group's largest investment in regional infrastructure to date. The Umhlanga Ridge New Town Centre site, already home to several major financial institutions such as Rand Merchant Bank and Deloitte, offers a unique urban setting just minutes away from the fabulous Indian Ocean coastline.

The importance of exceptional security in this exclusive environment was not underestimated by ML Technologies. "We operate within a rapidly evolving industry and it is imperative that we constantly adapt and grow technologically," says Regardt Kruger. "We have to be at the forefront of development. By keeping our focus on IP-based solutions we are able to integrate various functions in the business environment (weigh bridges, fridges, water levels, back-up generators, conveyor belts, point of sale, etc.) enabling management to effectively manage risks through their networks and Axis IP cameras."

Liberty Promenade Shopping Centre, Mitchells Plain, Cape Town is another of the Liberty Groups' developments undergoing a surveillance face-lift. The old analog system has been replaced by an IP solution consisting of numerous Axis network cameras, with a further fifty cameras scheduled to be installed throughout the year. Once again, ML Technologies has been appointed by the consulting engineers, CKR Consulting, to tackle this installation.



Security and lower costs thanks to centralized video surveillance.

Sparkasse Kraichgau has upgraded its network of 64 branches to a single digital video surveillance system.

**Organization:**

Sparkasse Kraichgau

Location:

Baden-Württemberg,
Germany

Industry segment:

Banking and finance

Application:

Crime prevention, branch
office security and
surveillance

Axis partners:

SPIE Deutschland GmbH,
SeeTec

Mission

The main business of Sparkasse Kraichgau, which employs 756 employees, are medium-sized businesses and private customers. Originally, Sparkasse Kraichgau worked at their 64 locations with analog video surveillance systems from different manufacturers. Separate providers had been commissioned, even for the installation of the individual systems. This resulted in high maintenance costs, since the stand-alone systems were often difficult to reconcile. A central monitoring and control was not possible. In addition, each site required its own monitors and servers.

Solution

Since autumn 2009, Sparkasse has gradually been converting to a single system, using Axis network cameras, Axis video encoders and Seetec software. The advantages: Axis supports integration into the existing system and centralized management via the Sparkasse IT department. This saves costs and increases the responsiveness and, as a result, the safety of employees and customers.

The gradual transition to the new video surveillance system was conducted by SPIE Deutschland System Integration GmbH in Karlsruhe, Germany. "With the connection to the central video management, data exchange has accelerated considerably. In this way, we notice immediately if the system freezes, if the camera is rotated or if an object is moved in front of the lens," says Hubert Roth of SPIE.

Result

Thanks to our video surveillance systems, security in regards to robberies, card fraud and technical difficulties has increased," explains Edwin Roobol, Regional Director Middle Europe at Axis Communications. "The integration of existing systems and the central management also reduces operational costs." Only in the commissioning and malfunction of the video system do the SPIE technicians enter the picture. The rest is done by the credit institution's in-house IT department. Even routine maintenance is carried out centrally via the IT department.

“After three years, the result has been very positive. Sparkasse Kraichgau wants to move ahead swiftly with their plan to convert the entire video surveillance system to Axis. The Axis video surveillance system makes our work so much easier and we can respond more quickly and promptly.”

Klaus Gutermann of Sparkasse Kraichgau.

“The self-explanatory system by Axis in combination with Seetec offers distinct advantages,” says Hubert Roth. “Sparkasse can perform most of the work themselves, before we have to intervene as an external IT service provider.”

“Several things were important to us in the transition to a new video surveillance system,” explains Klaus Gutermann, Director of Organization at Sparkasse Kraichgau. “We wanted to incorporate the video image into our own IT system, to manage it ourselves and to be able to expand it little by little, which naturally provides us with great economic benefits. We also wanted to be able to immediately see what was happening in the branches in the so-called K-case, in other words, in hold-ups, so that we could react promptly. The new Axis system meets all these requirements.”

Installation and repair from a single source

One third of the surveillance cameras have already been replaced. A total of 60 AXIS M3114-R Network Cameras are in use in 20 Sparkasse branches. The headquarters in Bruchsal is especially well monitored, for example. The gradual transition to the new video surveillance system was conducted by SPIE Deutschland System Integration GmbH in Karlsruhe, Germany. Their services range from the installation of the software, over the connection of the cameras to the server and the integration of the ATMs into the system, to troubleshooting.

Robberies have declined significantly. According to accident prevention regulations (BGV), wherever Sparkasse employees come into contact with cash, surveillance cameras are to be installed. At each counter, BGV certified Axis overview cameras are mounted which send razor sharp images by video streaming in HD at 720p resolution to the network center. Using progressive scanning technology, the cameras consistently obtain clear images, even if the objects are moving. “The cameras have a highly deterrent effect,” explains Hubert Roth, safety engineering team leader of the IT service SPIE. “Thanks to video surveillance with high quality images, the security for the customers and the employees has increased significantly.”

Danger is not always imminent. Even when experiencing technical difficulties, the system will automatically send messages in real time to the operator. “With the connection to the central video management, data exchange has accelerated considerably. In this way, we notice immediately if the system freezes, if the camera is rotated or if an object is moved in front of the lens,” says Hubert Roth.

Seamless integration of analog cameras via encoders

While robberies are becoming more and more rare thanks to cameras, credit card fraud is moving increasingly into the focus of surveillance. Particular attention is given to the events at the ATMs. Here, analog cameras are currently used, most of which were built by the manufacturers of the ATMs. With the help of Axis, video encoders can integrate them into the IP-based video surveillance system. One AXIS M7001 Video Encoder per camera converts the analog video signals into digital signals, which are then sent to the head office. Also in other areas where analog cameras are still used, such as in the underground parking garages of the Sparkasse, digitization is conducted by Axis encoders.

Card fraud almost always detected in time

Thanks to its compact size, AXIS M7001 is ideal for the discrete surveillance of ATM's, for which various data protection regulations have to be met. Thus, the typed PIN can not appear in the image detail of the camera. Recorded data may only be stored for a limited time, and it can only be evaluated when card fraud is suspected. Using software, card numbers, pictures and time can be associated to each other in retrospect – and with great success: “In 98% of all cases, Sparkasse can report the fraud to the police right away,” says Roth.



Bancolombia Group secures physical environment of its new head offices.

Preserving productivity with Axis network cameras.



Organization:
Bancolombia Group

Location:
Medellin, Colombia

Industry segment:
Banking and finance

Application:
Safety and security

Axis partner:
Honeywell

Mission

Bancolombia Group is a regional company with operations in Colombia, Panama, El Salvador, Miami, Peru, and the Cayman Islands. It has approximately 20 thousand employees and 6.3 million active accounts. It is described as the seventh most important bank in Latin America.

During 2008 Bancolombia finished construction of its headquarters in the city of Medellin, a construction of 138,000 square meters; two towers, each with 12 stories and a working population of 4,200 people. The construction lasted 18 months with an approximate cost of \$180 million dollars.

Due to the magnitude of the construction, the company tried to harmonize control through several concepts (convergence, integration, flexibility, scalability, and standardization). In this sense, the security solutions that would be required should fall under these areas.

Solution

Axis network video cameras proved to be the best solution because they include reliable features, they are simple to operate, they easily integrate with the Honeywell EBI platform, and obtain the best results within technical analysis.

Result

The main offices of Bancolombia Group in Medellin now have a pro-active video surveillance camera system, which has enabled an improvement in surveillance and control equipment productivity.

“The greater benefits obtained upon the implementation of the Axis video surveillance solutions were: simplicity, easiness, flexibility, integration, quality and cost, which align with the building’s philosophy. Thanks to that, they could simply integrate the solution with the building’s general management system, allowing continuous control of the areas that the Bank considers critical.”

Diego Omar, Córdoba, Head Engineer of the Bancolombia Group Project.

Integrated solution

After choosing the Axis video surveillance solutions, 487 cameras were implemented, as follows: 448 AXIS 211 Network Cameras, 31 AXIS 221 Network Cameras, and eight AXIS 233D Network Dome Cameras. This solution is distributed among 10 servers (1500 Gigabits per server) and they work under a convergent and integrated network that operates together with the access control, evacuation, and elevator systems, in addition to delivering images to an analytic video system.

The main offices of Bancolombia Group in Medellin now have a pro-active video surveillance camera system, which has enabled an improvement in surveillance and control equipment productivity.

Furthermore, the solution provides additional information that offers the opportunity to control different situations such as open doors or windows, and abandoned items in any part of the building, among other aspects. The results have been as expected, because swift integration was highlighted and the company gained security.

High performance

- > Integration with other solutions
- > Simplicity of usage
- > Provides analytic video
- > Improves productivity

Future applications

Among future projects, the company has anticipated implementation of new Axis video surveillance camera systems in other buildings in the city of Medellin.



Grupo
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Axis has more than 1,600 dedicated employees in more than 40 countries around the world, supported by a network of over 65,000 partners across 179 countries. Founded in 1984, Axis is a Sweden-based company listed on NASDAQ OMX Stockholm under the ticker AXIS. For more information about Axis, please visit our website www.axis.com.