DAHUA TECHNOLOGY SUCCESS CASES

Improve Efficiency　　**Increase Benefit**　　**Optimize Experience**

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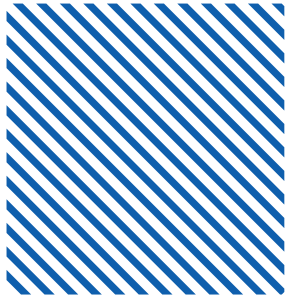
ABOUT US

Zhejiang Dahua Technology Co., Ltd. (Dahua Technology) is a world-leading video-centric smart IoT solution and service provider. Based on technological innovations, Dahua Technology offers end-to-end security solutions, systems, and services to create value for city operations, corporate management, and consumers.

The company has more than 16,000 employees, of which over 50% are engaged in R&D. With a global marketing and service network, Dahua Technology has deployed its products, solutions, and services in 180 countries and regions, covering key vertical industries such as safe city, traffic, retail, banking & finance, energy, etc.

Committed to technological innovation and investing approximately 10% of its annual sales revenue in R&D, the company continues to explore emerging opportunities based on video IoT technologies and has already established businesses in machine vision, video conferencing systems, professional drones, smart fire safety, automobile technologies, smart storage, robotics, etc., enabling a safer society and smarter living.

Visit www.dahuasecurity.com to learn more.

CORE COMPETENCIES

Innovation is one of the key driving forces and core competencies in Dahua Technology's development. Each year, the company invests approximately 10% of its sales revenue in R&D and innovation. With video as its core, the com is equipped with fully linked end-to-end R&D capabilities, and has obtained over 30 international AI achievements. Dahua Technology has continuously been at the forefront of technology development in the industry, satisfying the diverse needs of its customers.

● **Five Research Institutes**

Advanced Technology Institute
AI and cutting-edge technology research

| AI Technology | Automated Control Technology | Multi-dimensional Sensing Technology |

Big Data Institute
Cloud and big data technology research

| Big Data Platform | Video Cloud Storage | Cloud Database |

Central Institute
Core technology and new technology research

| IoT Technology | Foundational Engineering Technology | Cutting-edge Technology Incubation |

Cyber Security Institute
Safety compliance system construction & security technology research

| Safety & Compliance System Construction | Cyber Security Technology | Cyber Security Emergency Response Center |

Smart City Institute
Theoretical research and implementation of new smart cities & government digital transformation

| Smart City Theoretical Research & Top-level Planning | City Governance Powered By Digital Technology | Smart City Construction Solution |

W lated industry experience, Dahua Technology has integrated its innovation and R&D competencies, solid manufacturing and quality system, as well as its professional and fast delivery and service capabilities to provide end-to-end solutions for customers from various industries.

By far, numerous major projects around the world have been installed with Dahua solutions and products.
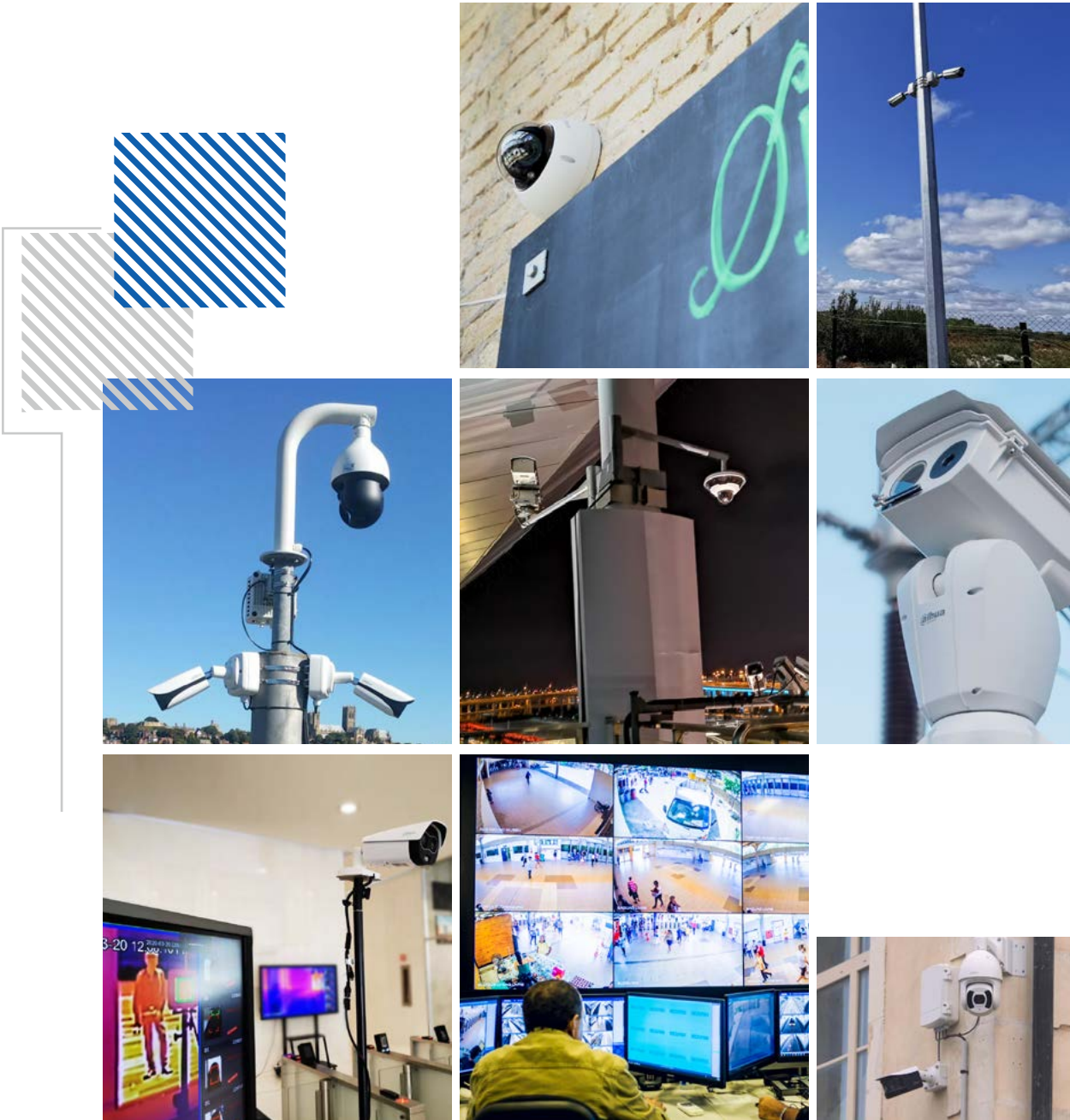
CUSTOMER TESTIMONIALS

Mr. Jean-Claude M.CARRA,
Mayor of Brienon-sur-Armançon,
France

" *The origin of our cooperation with Dahua dates back to the visit to the Dahua headquarters in Hangzhou, which concluded with a reciprocal commitment: to equip the city of Brienon with video surveillance, with an exclusive commercial offer from Dahua. We welcome this agreement, which allowed the installation of a system and improved the daily life of our inhabitants.* "

Martin Byrne,
CCTV Team leader at Lincoln City Council, UK

" *There is really no comparison from how we operated previously to how we can now. It revolutionises how we manage the CCTV systems and data. The potential for what we can achieve going forward is remarkable. We have now started to get real benefits from the investment in analytics, in particular vehicle and people-counting has been deployed and data used to enhance other city projects.* "

" *We are very satisfied with Dahua products. The mobile video surveillance solution used in police cars enables our police to work more efficiently and safely because the surveillance center is available 24 hours a day, providing appropriate assistance in solving various issues or incidents that the police may encounter.* "

Dr. Ignacio Greco,
Deputy Secretary of the Provincial Ministry of Security, Buenos Aires

During the requirement discussion, solution design, and engineering survey, Dahua shows professionalism and excellent communication skills. Haier is satisfied with the first step cooperation and looking forward to the second step of the project.

Liu Wei,
Overseas Regional Project Manager of Haier Group, Russia

Dave Rice,
Yarmouth Harbour Commissioners, UK

The new surveillance system has transformed our ability to monitor the harbour for the safety and security of our customers, staff and the visiting public. The system has proved straightforward to use and we are delighted with its performance to date.

Eduardo Rigotto,
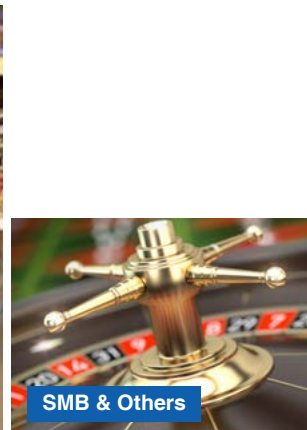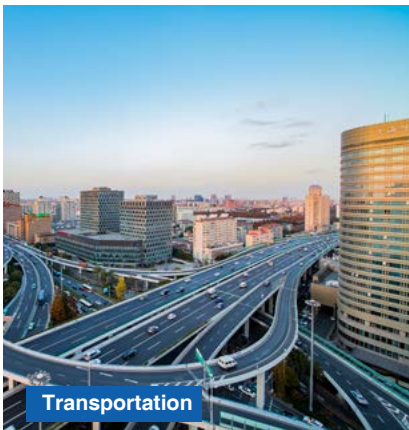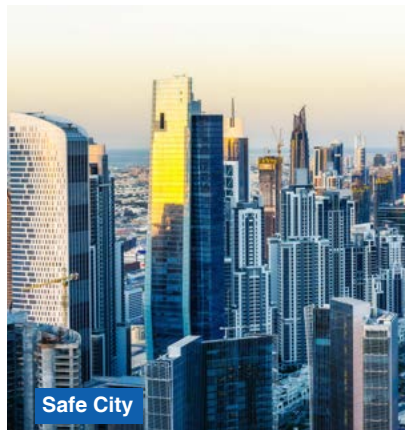*General Manager of Allianz Parque, Brazil*

We are very proud to have this partnership with Dahua Technology. Through it, Allianz Parque now has a state-of-the-art facial recognition system, which has artificial intelligence and data analysis, and can be integrated into the public safety team's system.

VERTICAL MARKETS

As a world-leading video-centric smart IoT solution and service provider, Dahua Technology offers end-to-end solutions for various applications and vertical industries, including safe city, traffic management, retail, banking & finance and so on.
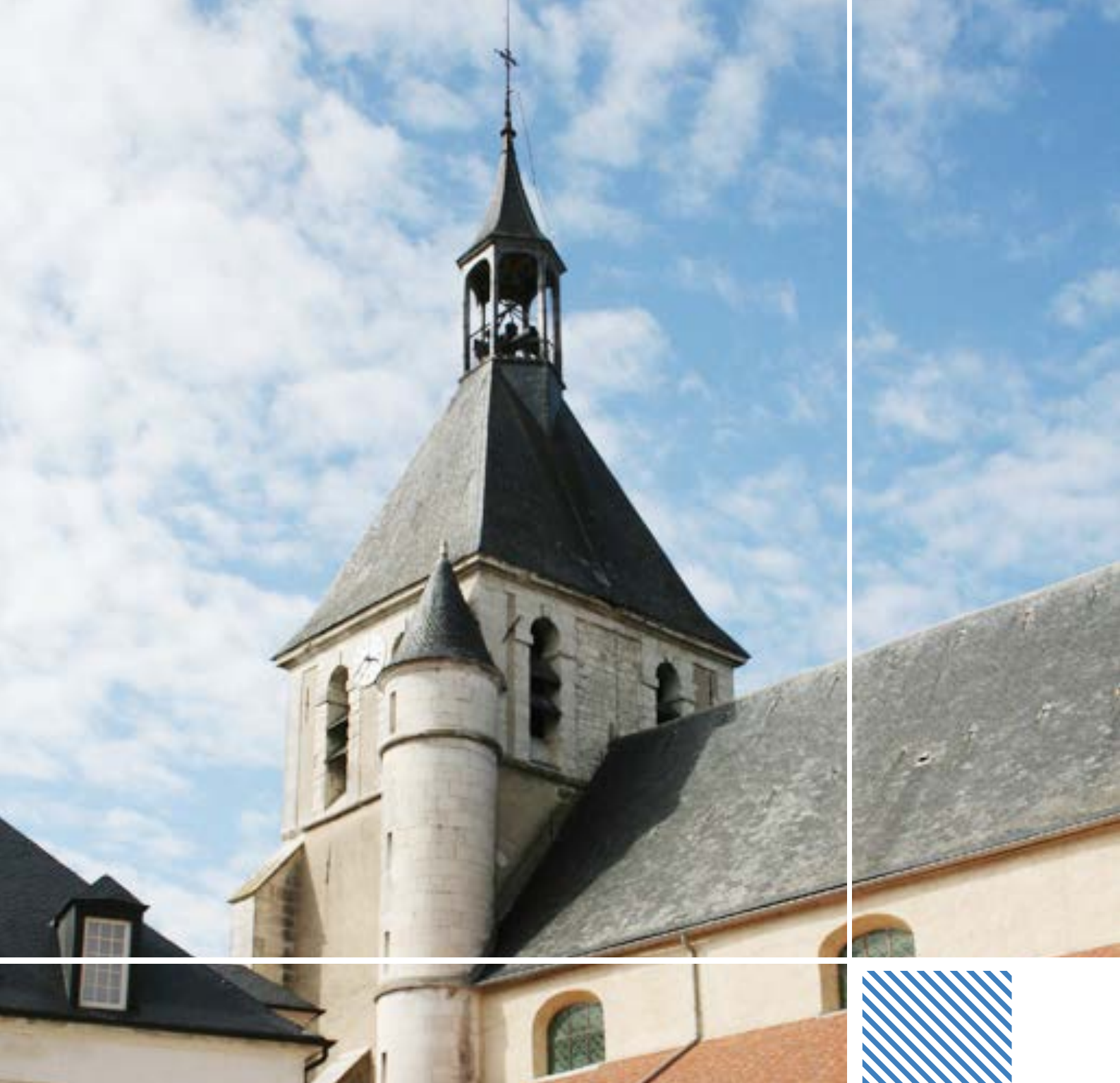
Safe City

Building

Critical Infrastructure

Banking & Finance

Sports & Leisure

Transportation

Retail

SMB & Others

SAFE CITY

Dahua Technology provides an integrated Safe City Solution that offers smart threat detection, rapid emergency responses, and effective crime investigations.

BRIENON SAFE CITY PROJECT

📍 *Brienon-sur-Armançon, France*

Background

Brienon is a small city in north-central France, with a population of about 3,300. The city is located at the intersection of two rivers, which is vulnerable to illegal activities.

Solution

Dahua Technology provided a tailored solution with various advanced devices including PTZ Camera, Panoramic Camera, Thermal Camera, ANPR Camera, etc. These equipment are linked by a wireless device that integrates PTZ camera and antenna and transmits all the collected information to the highest point in the city center. These data are then transmitted to the control center, making it easy for the police to achieve round-the-clock monitoring.

Benefits

The delivery of the project has allowed the local police to effectively monitor the city from the monitoring room, enabling timely response to emergency, providing sufficient evidence for post-investigation, and enhancing case closure rate.

OTHER CASES

Lincoln Smart City Surveillance, UK

Dahua Technology delivered a city center video surveillance solution using more than 300 cameras, monitors and switching equipment to replace this city's 20-year old analogue system. Advanced analytical technologies including video content analytics, face recognition, ANPR, heat maps and pedestrian counting, as well as legacy motion and audio detection were also used to assist the city council to drive innovation in the city and harness new technologies to improve the lives of its citizens.

Castro Safe City Project, Italy

Featuring perimeter protection, face recognition and metadata powered by deep-learning algorithms, the AI-enabled Dahua Safe City Solution has achieved extensive monitoring of the entire municipality. Its access points and upgraded control room provide support for the local police enforcement and help create a safe living environment for residents.
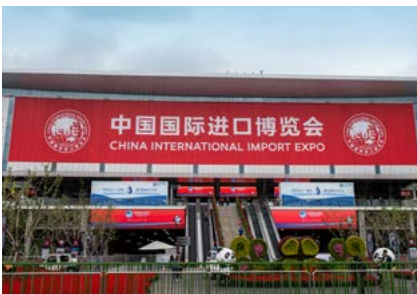
China International Import Expo, China

For this project, Dahua Technology took "safe, organized, flexible, dignified and efficient" as the overall security requirements, and the aspects of "control, warning, and core" as the overall design concept. Adopting AI technology to replace manual human labor with intelligent devices, it achieved a new security mode that is different from its traditional counterparts.

Hangzhou Safe City Project, China

Dahua Technology provided the Hangzhou police with a complete solution based on the "Dahua Safe City" system and achieved hierarchical file management. Through analysis of 5,000 scenes and 46 practical application models, the system was established to provide a strong backing for combating crime, retrieving missing people, and predicting group events.

Vatican City, Italy

A centralized Dahua IP video surveillance system with advanced flow management and people counting functions was installed in museums and buildings of historical and cultural interest in Vatican City. The solution has enabled the government to monitor the flow of visitors, prevent congestions, defend against damages and attacks, as well as gather data for analysis purposes, bringing out a smarter and safer city for the public.

Rio Olympic Games, Brazil

Dahua Technology was the main security surveillance supplier for the Rio Olympics, providing a total of 373 IP PTZ cameras, 1,450 IP cameras, and related accessories. They were installed in the main stadium, the Olympic Village, other Olympic event areas, and on main roads to Olympic Games venues, displaying the best of "Made in China" technology.
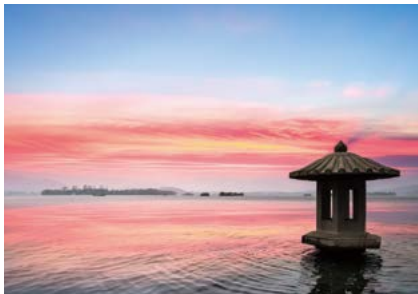
G20 Hangzhou Summit, China

As a core provider for G20 security, Dahua Technology provided over 20,000 sets of equipment, a 600-person security team, and dozens of advanced technologies in key and surrounding areas with round-the-clock uninterrupted surveillance in order to guarantee absolute security during the summit.

BRICS Xiamen Summit, China

With its cutting-edge IP camera, video cloud, network storage, and transmission technologies, Dahua Technology was up to the task of securing Xiamen and the BRICS venues. In total, Dahua Technology provided 1,723 bullet cameras, 379 PTZ cameras, 226 vehicle checkpoint cameras, 116 face recognition cameras, 10 mobile 4G PTZ cameras, and many other advanced products and services used in various areas of the city.

SMART TRAFFIC MANAGEMENT

The Dahua Technology's Intelligent Traffic System (ITS) solution facilitates road safety and helps keep a smooth traffic flow, raising the safety awareness of drivers, and creating a pleasant journey on the road. Technologies such as LPR and fuzzy search significantly reduce manpower demands on the police force while increasing their enforcement efficiency at the same time.
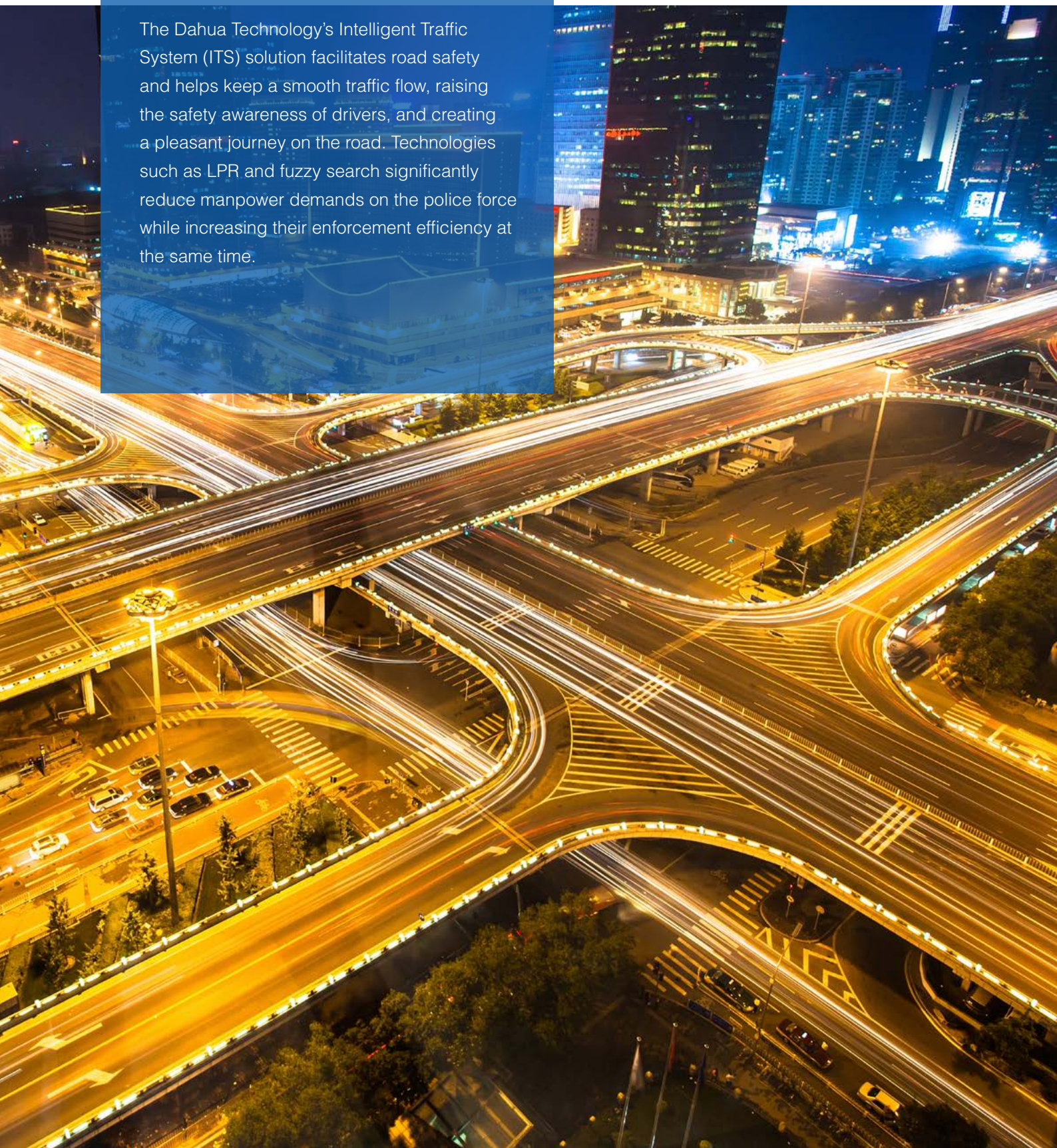
CASE STUDY

MONGOLIA ITS PROJECT

Ulaanbaatar, Mongolia

Dahua Technology's sophisticated ITS solution has integrated advanced software and hardware including sensors, information and data processing, physical electronics and communication technologies to assist the transportation department of Ulaanbaatar in enhancing the safety and efficiency of its transportation system.

Background

In recent years, the government of Ulaanbaatar has prioritized the improvement of traffic management and has identified the need of a cost-effective solution towards speeding, traffic light violations and other road safety related issues, to create a more secure environment for its citizens. Due to the high-latitude geographic location of the city, this project is particularly demanding on the capability of monitoring equipment to withstand harsh environments.

Solution

Based on advanced intelligent algorithms, Dahua Technology has provided the city with its cutting-edge ITS solution consisting of an ANPR (Automatic Number Plate Recognition) system for 28 main roads, the E-police system for 8 junctions, 2 mobile speed measurement systems as well as 15 high spot PTZ surveillance units.


Benefits

Dahua Technology's ITS solution has assisted the government of Ulaanbaatar to provide its citizens with a sustainable, growing, and well-maintained security system.

SMART TRANSPORTATION – RAILWAY

The Dahua Railway Solution combines AI, big data and other technologies based on video surveillance with actual business scenarios to help railway operators respond to various emergencies and create pleasant journey for passengers.
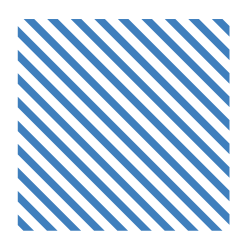
CBTU RECIFE SUBWAY

📍 *Recife, Brazil*

Background

Recife's urban trains system carries around 400 thousand passengers a day, making it the third largest railway operator in terms of number of users in Brazil. To ensure a safe journey for passengers, it is imperative to increase the subway security with modern technologies and monitoring equipment.

Solution

Dahua Technology provided Recife CBTU Subway with 1,380 high-resolution cameras. The Dahua intelligent surveillance system with embedded video analytics monitors 52 places scattered all over the 71 km railway in the capital and metropolitan area.

Benefits

The new video surveillance system of Recife CBTU Subway was designed to operate in a centralized management, significantly utilizing its security teams in all 37 stations.

SMART TRANSPORTATION – AIRPORT

The Dahua Airport Solution provides customers with more efficient visual security solutions tailored for flight areas, terminals and public areas in order to meet both monitoring and early warning needs of modern airport security. In addition to basic CCTV, access control, and alarm, the solution also integrates cloud computing, AI, big data and other latest technologies to deliver an upgraded airport security system to customers.
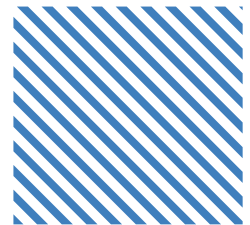
AIRPORT IN THE PHILIPPINES

The Philippines

Background

In 2019, one of the airports in the Philippines upgraded their security system using the Dahua Airport Solution, which comprehensively improved the security levels of their terminals, flight areas and surrounding perimeter.

Solution

The system can effectively collect images around the clock and allows comprehensive monitoring of the airport with high-point panoramic cameras and low-point detail cameras. In addition, face recognition and license plate recognition technologies were also utilized to help the airport locate targets quickly and efficiently. Moreover, the queuing length detection camera was installed to count the number of people in the check-in area and security checkpoint. A diversion plan is in place in case the number of people reaches the preset threshold, ensuring efficiency and public safety in the airport.

Benefits

The solution significantly improved the security level of the airport. Through advanced technologies such as AR, face recognition, and license plate recognition, the command efficiency of the airport's security team has been enhanced, creating a smart airport while improving the passengers' travel experience.

SMART TRANSPORTATION – PUBLIC BUS

The Dahua Public Bus Solution has constantly evolved through applications of new technologies such as DSM/ADAS/BSD, passenger counting, and number plate recognition, which significantly help customers achieve a safe, efficient and profitable operation.
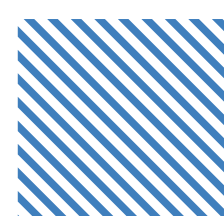
CAGLIARI PUBLIC BUS

 Cagliari, Italy

> *The Dahua mobile solution with high-definition monitoring performance reduces theft and robbery on buses, and enables bus companies to collect accurate information about traffic flows and automatically download data to assist efficient and profitable operation.*

Background

ARST is a public transportation company operating a massive fleet of 800 public buses all over the island. The company decided to deploy new centralized CCTV systems to enhance the security of passengers and drivers, maintain an audio-video live connection between the control room and all vehicles, gather more precise information about traffic flows and automatically download the data.

Solution

More than 5,000 cameras and MXVRs were provided for the revamping of the company's security system, which is centralized in a control room where operators can manage emergency call and generate geo-localization of vehicles and relevant statistics.
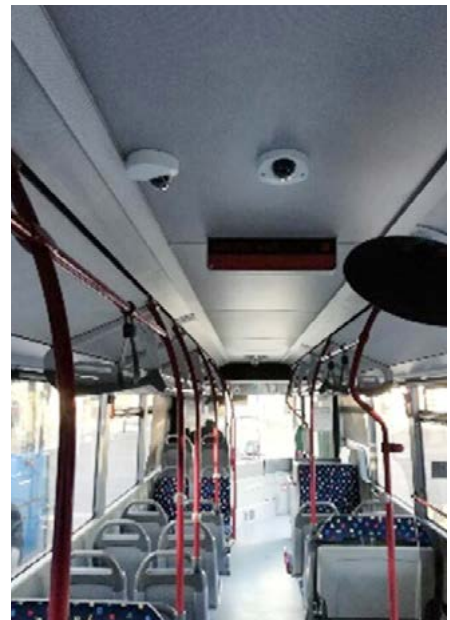

Benefits

With upgraded Dahua system, the command center can communicate with every single vehicle of ARST Bus Company in real time, enabling them to deliver instructions to the driver, allowing the driver to report immediately to the command center in case of an emergency through the panic button, and ensuring the safety of passengers and drivers.

SMART TRANSPORTATION – PORT

The Dahua Port Solution features HD video surveillance for a more efficient management of people, vehicles and containers. The Dahua container number recognition technology enables cameras to identify license plate, ISO, vehicle weight and other information automatically, thus helping port administrators save labor costs without compromising the speed and quality of their services.
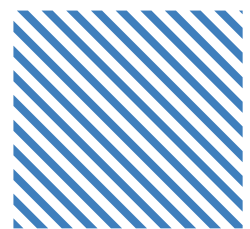
YAMOUTH HARBOR

⚲ *Maidenhead, UK*

Background

The previous system was becoming outdated, with poor picture quality and cabling issues. Following a number of thefts on boats and boat fires in neighboring harbors, a new solution with thermal imaging capability from Dahua Technology was designed.

Solution

A video surveillance system with around 40 IP and thermal cameras from Dahua Technology has been installed at Yarmouth Harbor on the Isle of Wight. The solution comprises a mix of thermal bullets, IR bullets, Ultra PTZs, IR domes and fisheye cameras. The thermal cameras were installed outside to provide more image details, temperature fluctuation, and sensitive fire alarm.

Benefits

The Dahua system has assisted Yarmouth Harbor Commission in monitoring the harbor for the safety and security of their customers, staff and visitors. In addition to the harbor itself, the system also covers the adjacent Yarmouth pier. Automatic people-counting technology has been incorporated into the cameras at the pier's entrance to monitor the number of people at the pier as a health and safety measure.

SMART TRANSPORTATION – PARKING

The Dahua Parking Solution integrates ANPR and video analytics, enabling automatic driving in/out without manual interference to improve parking efficiency. Additionally, guiding and locating vehicles via embedded E-map is also set up to enhance user experience.
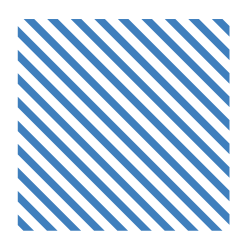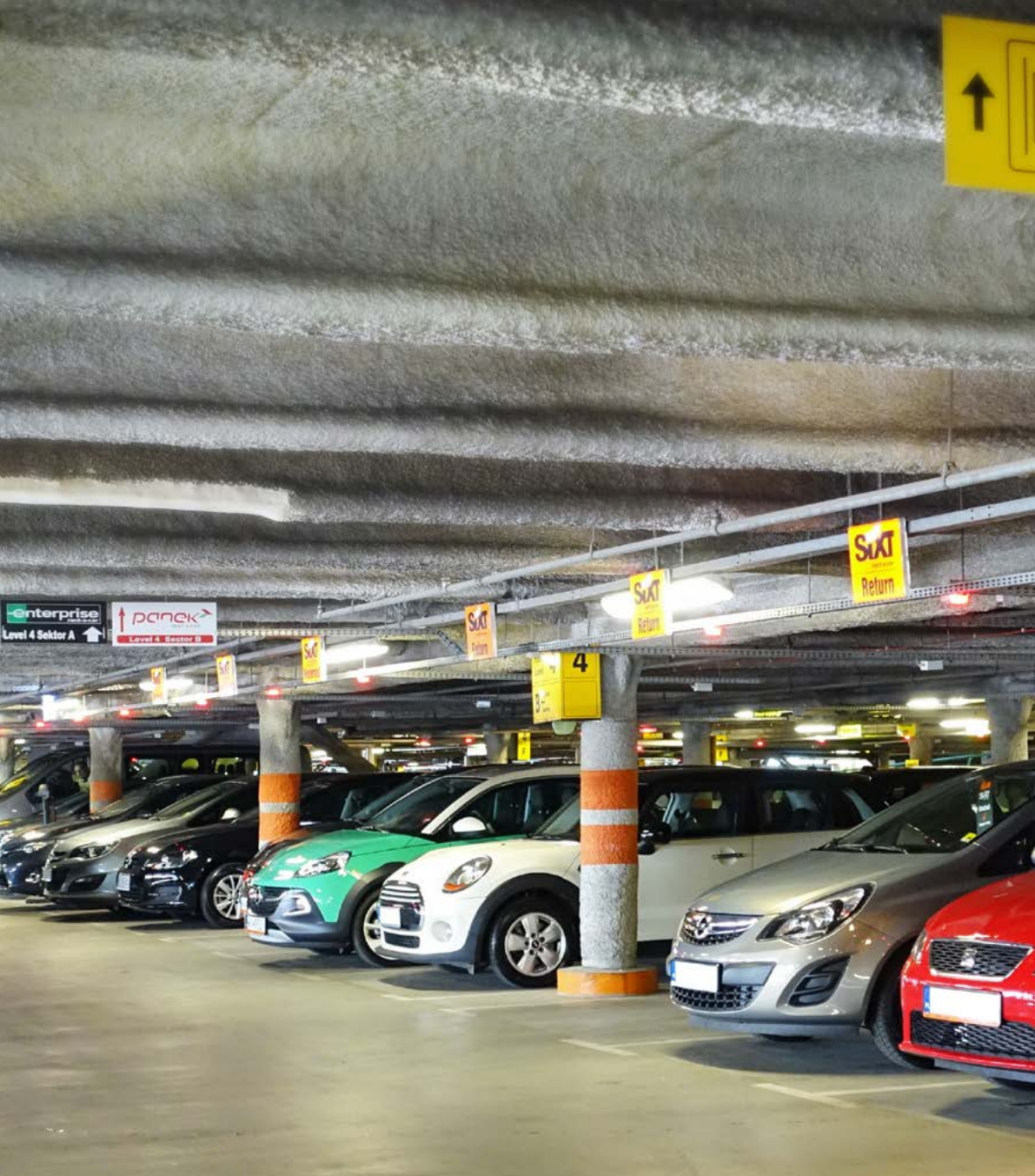
AIRPORT PARKING GARAGE

📍 *Denmark*

> *The Dahua smart parking solution reduces driver search time and provides management with clear overview of the 1,217 parking spaces in the parking garage.*

Background

A Danish airport, providing flights to over 90 destinations and serving 3.5 million passengers every year has enlisted Dahua Technology to equip its indoor parking garage. With 1,217 parking spaces spaces divided across two areas and three floors, the airport required a comprehensive, smart parking solution that would improve the parking experience for travelers and optimize operations for the parking management team.

Solution

Dahua Technology's easy-to-use parking software, PMS PRO, allows the garage management to monitor occupancy, assess accidents, search through data and export reports. Through the integration of ANPR and video analytics, Dahua Technology's cost-effective parking guidance solution makes it easier for drivers to find available parking spaces and locate their vehicle in the massive parking garage.
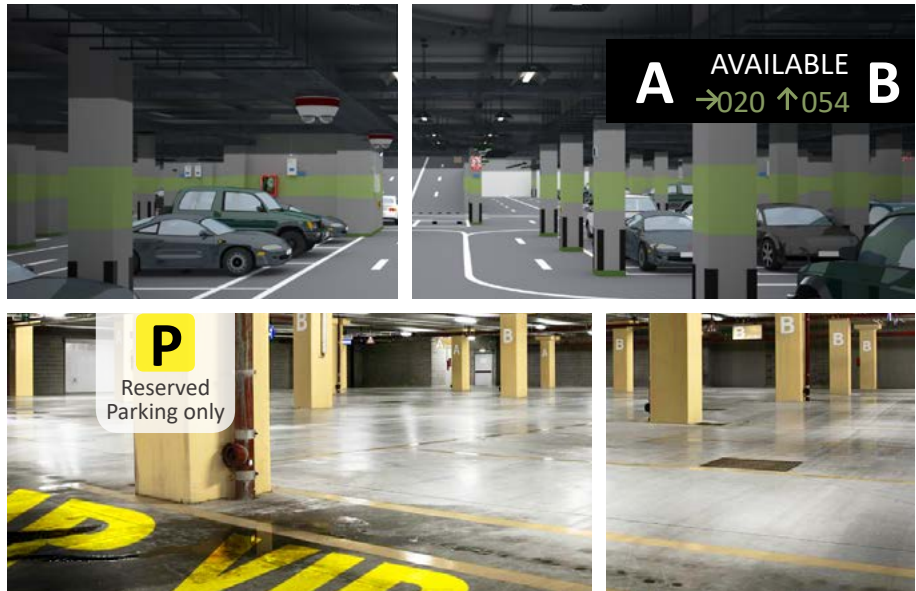
Benefits

Dahua's innovative technology is able to cover more spaces with smaller infrastructure, simplifying the installation process and reducing costs. For the airport, it has transformed the parking experience for travelers and provided an efficient video surveillance for parking management.

OTHER CASES

Airport Thermal Project, Romania

The Dahua thermal camera TPC-PT8620C supporting auto-tracking, temperature monitoring, etc. was installed on the top of the control tower's roof to monitor the entire airport. It can detect potential fire accidents and ensure the safety of the airport day and night. NVR608R-64-4KS2 with IVS function and NVR5216-4KS2 for general video recordings were used for video backup.

Police Car Project, Mexico

The project equipped a total of 1,000 police cars in Mexico with AI-enabled technologies in order to help the local police identify suspects during their patrol. Through real-time blocklist alarm and timely intervention, their patrol efficiency has been further improved.

Public Bus Project, Turkey

Dahua Technology deployed 7,500 MNVRs and 30,000 IP cameras on public buses in Istanbul, which fulfills the client's needs of remote monitoring, GPS location, electric fence and emergency alarm. The solution has helped the bus company to determine accident liability, retrieve missing baggages for passengers, and resolve dispute between driver and passengers.

School Bus Project, UAE

This project installed MNVRs, IP cameras and sensors in 3,000 school buses, which significantly improved the safety of school buses in UAE. The solution features "child-check-mate" to prevent students from being left behind on school buses, and "no blind spot monitoring" to assist the driver in avoiding road hazards.

SMART RETAIL

The Dahua Smart Retail Solution provides security and loss prevention for retail shops while strengthening business operations with extensive video-aided business intelligence and analytics functionality.

BAKKEN AMUSEMENT PARK

Klampenborg, Denmark

Background

Owned by the Danish government since 1583, Bakken is hailed as the oldest amusement park in the world. Due to lack of equipment to control the flow of visitors, its reopening faced strict restrictions from the local government.

Solution

Designed for people counting and flow control, Dahua Technology´s PCFC solution turned out to be the perfect choice for Bakken Park. It consists of seven HFW5442E-ZE, five PFS3110-8ET-96, and DSS Pro License 64 Channels + BI Module, covering 5 open entrances of the park. The Dahua AI-based People Counting Camera (HFW5442E-ZE) with its 140DB WDR function and large image sensor achieves an astonishing counting accuracy of 97.5%, even under difficult outdoor environment with lots of shadows. The DSS PRO+BI made it possible to export valuable counting data for future business opportunities, allowing the park to understand their customers better and adjust business strategies based on statistics such as customer profiles and preferences, traffic flow during peak hours, the impact of weather and temperature on customer flow, etc., thus increasing the park's appeal to the public. In addition, the park can even conduct marketing campaigns based on the amount of visitors coming in at specific entrances and at specific timeslots.

Benefits

In addition to providing 24/7 protection for the park with reduced labor costs, the solution can also assist in optimizing their daily operation and decision-making in the long run through a series of intelligent analysis functions.

OTHER CASES

Arkaden Food Hall, Denmark

Dahua people counting cameras (HDW5442E-ZE) were installed at the 2 entrances of the food hall to automatically calculate the real-time number of people entering the restaurant, reducing labor costs. Together with intelligent business analysis functions, the solution has enhanced the safety level and competitiveness of the food hall, providing its management team with more business opportunities.

Hyundai Somerset West Branch Store, South Africa

The advanced Dahua AI solution was employed to safeguard the outdoor showroom of the Hyundai Somerset West Branch Store. Featuring perimeter protection and active deterrence, the solution significantly reduces criminal offences such as vandalism, theft, and loitering around the store. It also helps enhance the safety of both staff and customers during operating hours.

Hypermarket, Egypt

The Dahua solution includes IP cameras, network keyboards, NVRs as well as an intelligent server, featuring advanced AI-enabled software, people counting, heat map and other cutting-edge functions to assist the supermarket in improving business operation and decision-making.


Supermarket Chain, Canada

With 400 chain stores in North America, supermarkets often face huge losses due to return fraud. The Dahua Smart Retail Solution has helped our client to prevent ten return fraud cases within one month, significantly reducing profit loss.

SMART BUILDING

The Dahua Integrated Security Solution for residential and commercial building facilities provides not only safe living and working environments for customers but also convenient management capabilities for operators.
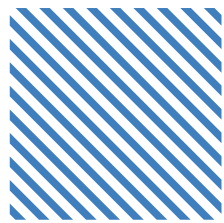
PARK AVENUE EXCLUSIVE

📍 *Nur-Sultan, Kazakhstan*

Background

The newly built residential area Park Avenue Exclusive needed to equip its residents with smart video surveillance system. It is a high-end residential complex occupying 100 hectares of land in Nur-Sultan, Kazakhstan. Dahua Technology's Smart Residential Solution has been deployed in its phase 1 project.

Solution

The solution includes Dahua IP Indoor Monitor VTH1510CH and Apartment Outdoor Station VTO1210C-X for access control, allowing residents to communicate with visitors via two-way audio intercom, real-time video and messaging features. At the same time, it also provides a variety of door opening methods for residents such as remote calling, using access card, and via the APP. The entrance of underground parking lot is equipped with ANPR Camera ITC237-PW1B-IRZ for vehicle recognition and management. Lobby and public areas are covered by IPC-HFW4231S, IPC-HDW1230S, SD49225T-HN, etc. for comprehensive monitoring.

Benefits

The Dahua Smart Residential Solution creates a highly secured community for Park Avenue Exclusive, with remote and visual management of the property and improved services and facilities. Security guards at the entrance are not needed anymore, which saves labor costs, reduces the waiting time of vehicles and improves traffic efficiency. The video intercom system of the building provides a variety of convenient door opening methods, enhancing the residents' living experience.

OTHER CASES

Condominio Real Park, Brazil

The luxury community located in Mogi das Cruzes adopted a set of Dahua face recognition access control and AI-enabled monitoring equipment to strengthen the protection for its properties, employees and the 1,400 residents of its 350 apartment units. The solution realizes safe and fast access control for residents and visitors, and increase the security level of perimeter, creating safe and pleasant living environment for residents.
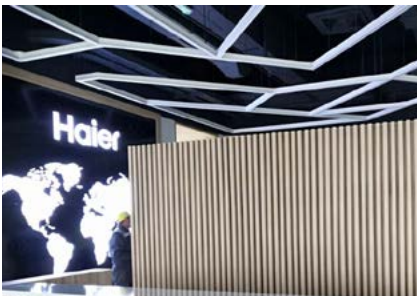
Haier Industrial Park, Russia

Dahua Technology designed a complete smart solution incorporating AI cameras, perimeter cameras, ANPR system, access control, time attendance system, face recognition barrier, DSS PRO platform and EVS storage for Haier's industrial park. It has assisted Haier in creating a modern intelligent industrial park in Russia.

Fort Dunlop Commercial and Retail Site, UK

An updated video surveillance solution consisting of 96 cameras from Dahua Technology was installed at the striking Fort Dunlop commercial and retail site, overlooking the M6 motorway in Birmingham. It includes cameras (fisheye, panoramic dome and PTZ) with resolution ranging from full HD to 4K, 128-channel ultra-4K NVR, and other intelligent devices, providing an overall security for its staff, visitors and building property.
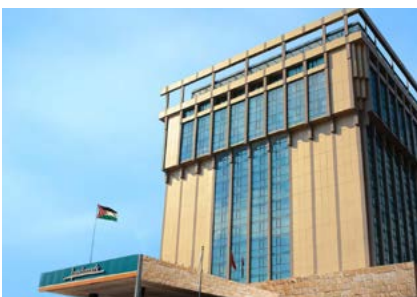
Landmark Amman Hotel, Jordan

The Dahua Technology's CCTV solution comprising of IP camera and NVR has helped the hotel find a new way to enhance guest experience through improving the level of security with reduced property damage and thefts in the hotel. It also improved team cohesion and work efficiency of the hotel employees, as well as increased revenue by monitoring and invoicing according to actual numbers of guests.

SMART EDUCATION

The Dahua Smart Education Solution provides
an interactive teaching platform for both remote
or in-person classes, and promotes a conducive
learning environment for students. Equipped
with advanced AI technology and deep learning
algorithm, the solution can help prevent safety
hazards in advance, thus creating a safer campus.
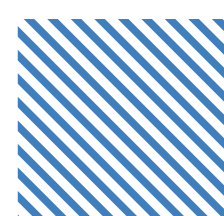
JADARA UNIVERSITY

📍 *Irbid, Jordan*

Background

Established in 2005, Jadara University is located in the northern province of Irbid Governorate in Jordan. It consists of five multi-story teaching buildings with seven faculties, an indoor stadium, sport halls, a swimming pool and a gym. While pursuing internationalization to achieve global standards of excellence in teaching, research, creativity, community service and leadership, providing students with a safe environment is regarded as a key component in the overall success of the university.

Solution

Dahua Technology developed a customized solution consisting of 750 cameras, storage devices and other smart equipment to cover the entire university. It features intelligent functions such as thermal temperature monitoring, perimeter protection, and face recognition, providing three robust defense lines for students and teachers. In addition, the Dahua smart conference interactive whiteboard integrating various functions and features such as multifunctional writing, wireless projection, conference content sharing, etc., was installed in the university's meeting room to improve meeting and conference efficiency.
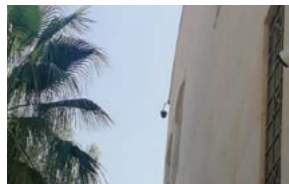
Benefits

The AI-enabled Dahua Smart Education Solution has significantly enhanced the overall security of Jadara University. It reduced damages and thefts on campus, especially in laboratories and other vulnerable facilities, providing students, teachers and staff with 24/7 comprehensive protection. At the same time, it also offers an effective way to improve teaching performance and work efficiency. In addition to surveillance, the cameras are also being used for live graduation ceremonies.

OTHER CASES

Ashton International College – Ballito, South Africa

Blackstorm Africa (PTY) Ltd with the Dahua AI olution has fostered the effective implementation of Ashton International College Safe School Initiative using a variety of advanced security applications such as active deterrence, temperature monitoring access control, time attendance, face recognition, ANPR, perimeter protection, etc. It achieves 24/7 pro-active on-site and off-site monitoring and improves management efficiency for the school.

Furness College, UK

The Dahua Temperature Monitoring Access Control (TMAC) system – equipped with integrated thermal and optical lenses with temperature and face recognition technology, and a seven-inch touchscreen display – was installed at the college to enable accurate monitoring of elevated skin temperature and social distancing. The contactless system has allowed students and staff to return back to campus premises with strengthened security level.

IIS G. Cardano, Italy

This public high school in Milan installed Dahua Thermal Temperature Monitoring Solution to perform contactless monitoring of elevated skin temperature of students and staff. Together with an AI-powered NVR, the solution is also integrated with an access control terminal for students' attendance that will be implemented in the future.


ADA University, Azerbaijan

The university started the construction of a new teaching building in 2017. A 42 m² PHSA1.6-MH indoor fine pixel LED screen from Dahua Technology was seamlessly spliced and installed in their multimedia classroom. The LED screen presents vivid and colorful videos and images, bringing a pleasant viewing experience for teachers and students.

SPORTS & LEISURE

For some large-scale international sports events and tourist attractions, the safety of venues is of paramount importance. Dahua Technology has enhanced the safety level of many well-known venues and tourist attractions with its advanced technologies and innovations.
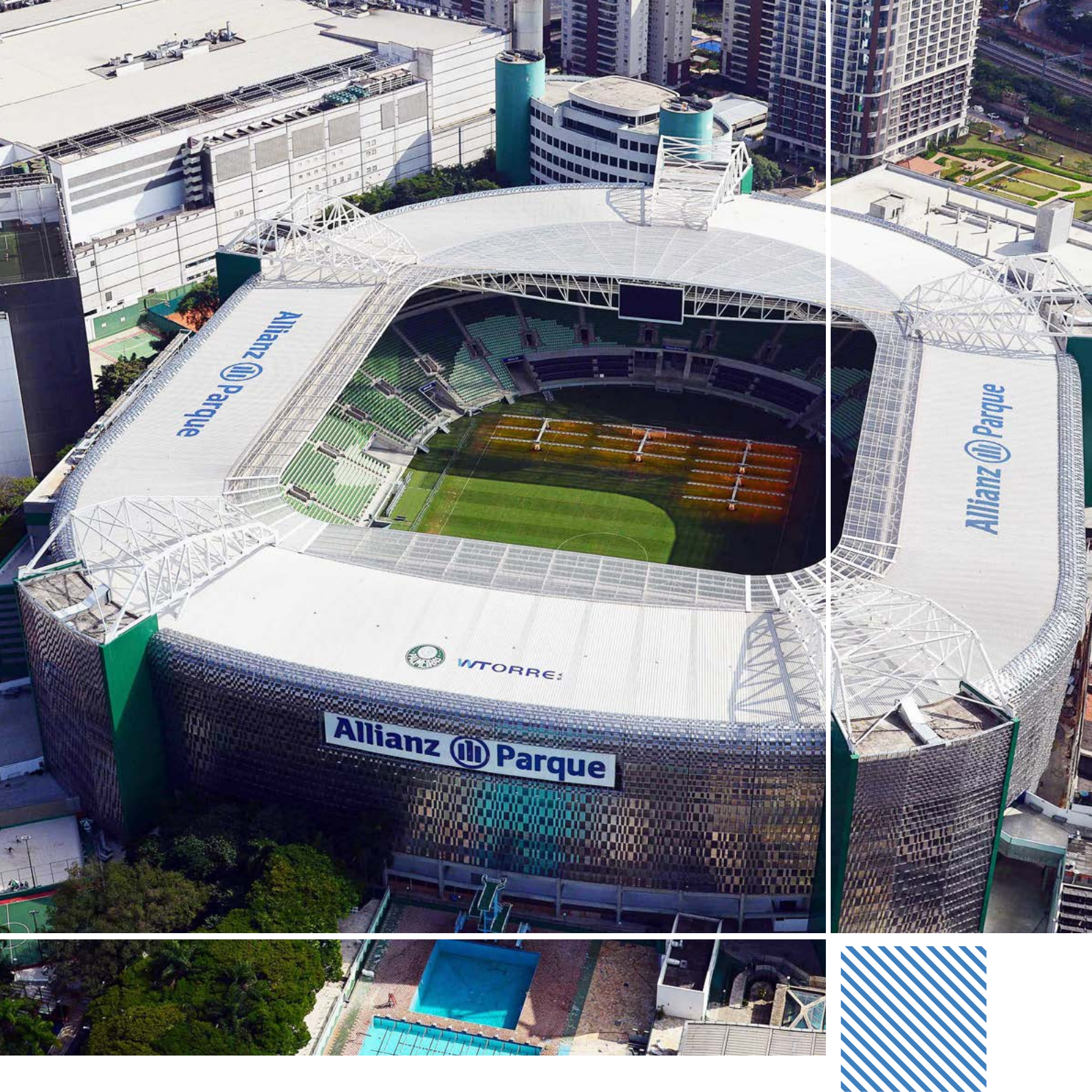
ALLIANZ PARQUE

📍 *São Paulo, Brazil*

Background

Allianz Parque has the capacity to receive 43,700 people on game days, 55,000 for shows and 12,000 for events in the amphitheater. The management of Allianz Parque constantly invests in advanced technology and new solutions to keep the project in line with the most current standards of innovation in the world.

Solution

In the project, devices from Dahua Technology with the latest generation of embedded artificial intelligence technologies were deployed. Many of their functions go beyond an image captured by an ordinary camera.

Benefits

The cameras with embedded artificial intelligence systems help the security team of the arena work more efficiently and productively. It allows the stadium to accommodate different kinds of scenarios, such as large-scale concerts, major celebrations, and especially, football matches at Sociedade Esportiva Palmeiras, effectively ensuring public safety during these events.

OTHER CASES

Sinan Erdem Dome, Turkey

Dahua Technology provided the dome with a complete and high-end monitoring system. With a number of smart detection technologies, this solution includes over 600 IP, speed dome, and ANPR cameras on the front-end, and NVRs, video walls, video matrix devices, and related control accessories on the back-end, efficiently protecting the stadium from a variety of possible threats.

Battle of Britain Bunker, UK

As an important heritage site which played a key role in protecting the UK during World War II, the Battle of Britain Bunker — a heritage attraction with a museum and a visitor center today — implemented a fully integrated security system from Dahua partner DSSL Group. The solution includes more than 75 Dahua HD CCTV cameras equipped with AI-powered smart analytics that can help secure the perimeter of the site.

New Athos Cave, Abkhazia

The New Athos Cave is a well-known tourist attraction in Abkhazia. The Dahua low-light solution provides a convenient way for the user to access the camera remotely, allowing the security personnel to monitor the situation in the cave 24/7 and respond quickly in case of an accident.

Mountain Refugio Collado Jermoso, Spain

At the peak of Mountain Refugio Collado Jermoso (2,064m), a series of Dahua IP cameras are installed to provide live videos of its amazing scenery, latest weather information and warnings of avalanche. These information are sent directly from the peak and published on their FB page or YouTube channel, providing convenience to local outdoor enthusiasts.

SMB & OTHERS

Dahua solutions are also widely used in logistics, manufacturing, construction site, fire detection, security service, small and medium-sized business, etc.

OTHER CASES

Construction Site of MBR Solar Park, UAE

The Dahua Smart Construction Solution provides the fourth phase of the solar park with an intelligent construction site, enabling safe and fast access control for employees and vehicles, which greatly improves management efficiency and significantly reduces labor costs. It also strengthens the perimeter protection around the construction site, assisting the management team in achieving visual supervision and management.

Logistics Company, The Netherlands

Dahua industrial cameras were deployed to capture the barcode and timestamp of each parcel shipped through the conveyor. The information is transmitted to the Dahua DSS management platform at the control center, enabling the operator to generate a corresponding PDF document of the parcel with image, order and tracking number via video clips for future evidence, thus reducing package loss.

Cedr Factory, Russia

To help the factory reduce the risk of fire, the advanced Dahua solution consisting of 400 IP cameras, three types of Network Video Recorders, and 48-HDD Enterprise Video Storage was deployed. It created a safe and smart factory for Cedr, efficiently assisting them in improving their security level during production.

Ihre Sicherheit, Germany

Dahua Technology has helped Ihre Sicherheit enrich their service offerings, particularly their "video guards" that integrate Dahua HD cameras and PTZ cameras powered by Starlight technology series. With Dahua DSS server, it can receive all signals from the video trailer equipment, enabling a comprehensive day and night surveillance that is suitable for scenario applications such as construction sites, trade fairs, large events and empty buildings.

MORE APPLICATIONS

The Dahua Thermal Temperature Monitoring Solution has been widely used for abnormal temperature monitoring, especially in public places with large flow of people, such as airports, railway stations, hospitals, shopping malls, and other sites all over the world.

Note: This solution is only used to monitor elevated skin temperature.
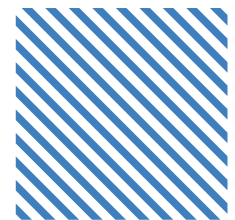
CASE STUDY

TOYOTA ARGENTINA

📍 *Zárate, Buenos Aires, Argentina*

Background

Toyota's Zárate plant in Argentina is ready to reopen with new regulations to ensure the security of its employees. The automaker chose Dahua Thermal Temperature Monitoring Solution to help them control the large number of employees entering and leaving the factory every day.

Solution

The solution included 4 sets of Dahua Thermal Temperature Monitoring equipment (DHI-NVR4216-I + TPC-BF-5421 + Blackbody). They were installed in different entrances, providing a non-invasive way to monitor the elevated skin temperature of their employees at the same time, ensuring that the temperature of the people entering the plant is normal.

Benefits

The Dahua Thermal Temperature Monitoring equipment is faster than hand-held scanners and can monitor a group of people at a safe distance, enabling efficient entry/exit access for employees. It assists in Toyota Argentina's reopening and routine operations, while meeting the government's business resumption requirements.

OTHER CASES

Beirut Rafic Hariri International Airport, Lebanon

Two sets of Dahua Thermal Temperature Monitoring equipment were deployed at the arrival hall of the airport to help monitoring of entering passengers and travelers with abnormal temperature. It provides a contactless method of controlling access to the city, and gives confidence to passengers and airport staff.

Salvador Metro, Brazil

The Dahua Thermal Temperature Monitoring systems were installed to cover the entire passenger entrance areas of the two largest metro stations in Bahia – Lapa and Pirajá. In less than a week, the equipment was able to monitor more than 112 thousand people under the supervision of a healthcare professional, effectively preventing people with abnormal temperature from boarding the subway train.

Pick N Pay, South Africa

The Dahua Thermal Temperature Monitoring Solution was installed at the entrance to improve the security level of the hypermarket. Combined with Dahua people counting and flow control solution, it creates pleasant shopping experience for customers and enhances operation efficiency for the management team.

Carignano Theatre, Italy

The Dahua Temperature Monitoring Access Control terminal mounted on its own standing bracket was installed at the main entrance of the theatre, enabling a quick and contactless monitoring of elevated skin temperature of spectators and staff. It also provides automatic detection of people not wearing face masks, which significantly improves the safety inside the theatre.

ENABLING A SAFER SOCIETY
AND SMARTER LIVING

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