Success Case of Oversea Parking Guidance System

Base on the video analysis technology
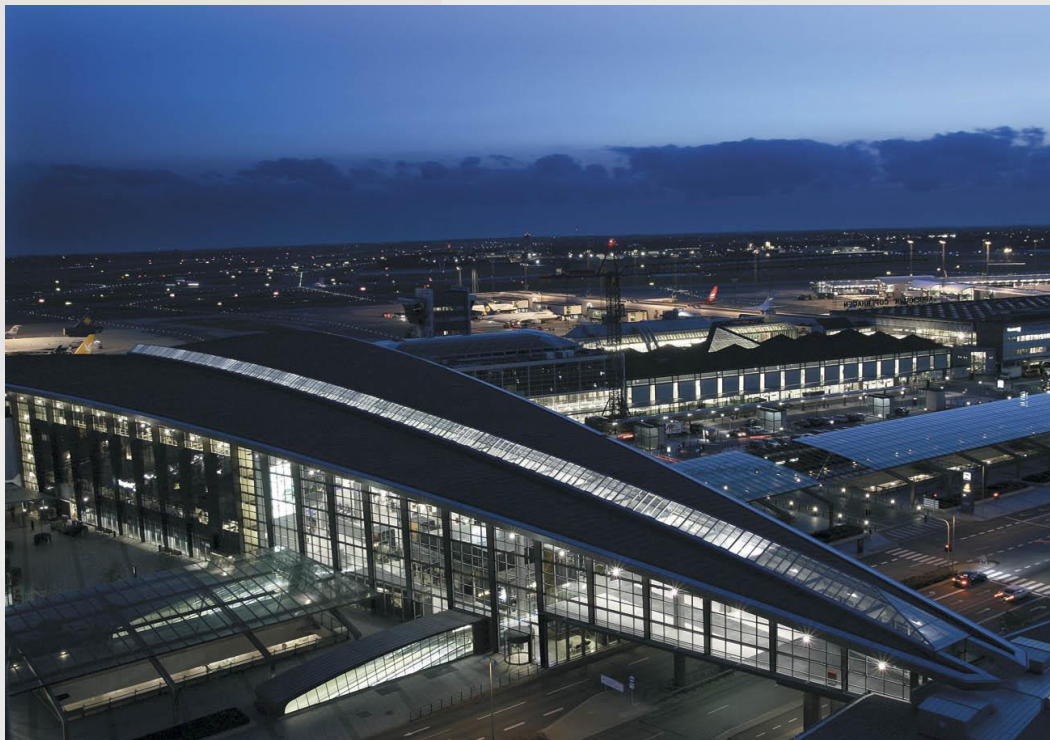
alhua TECHNOLOGY

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European
Parking Project

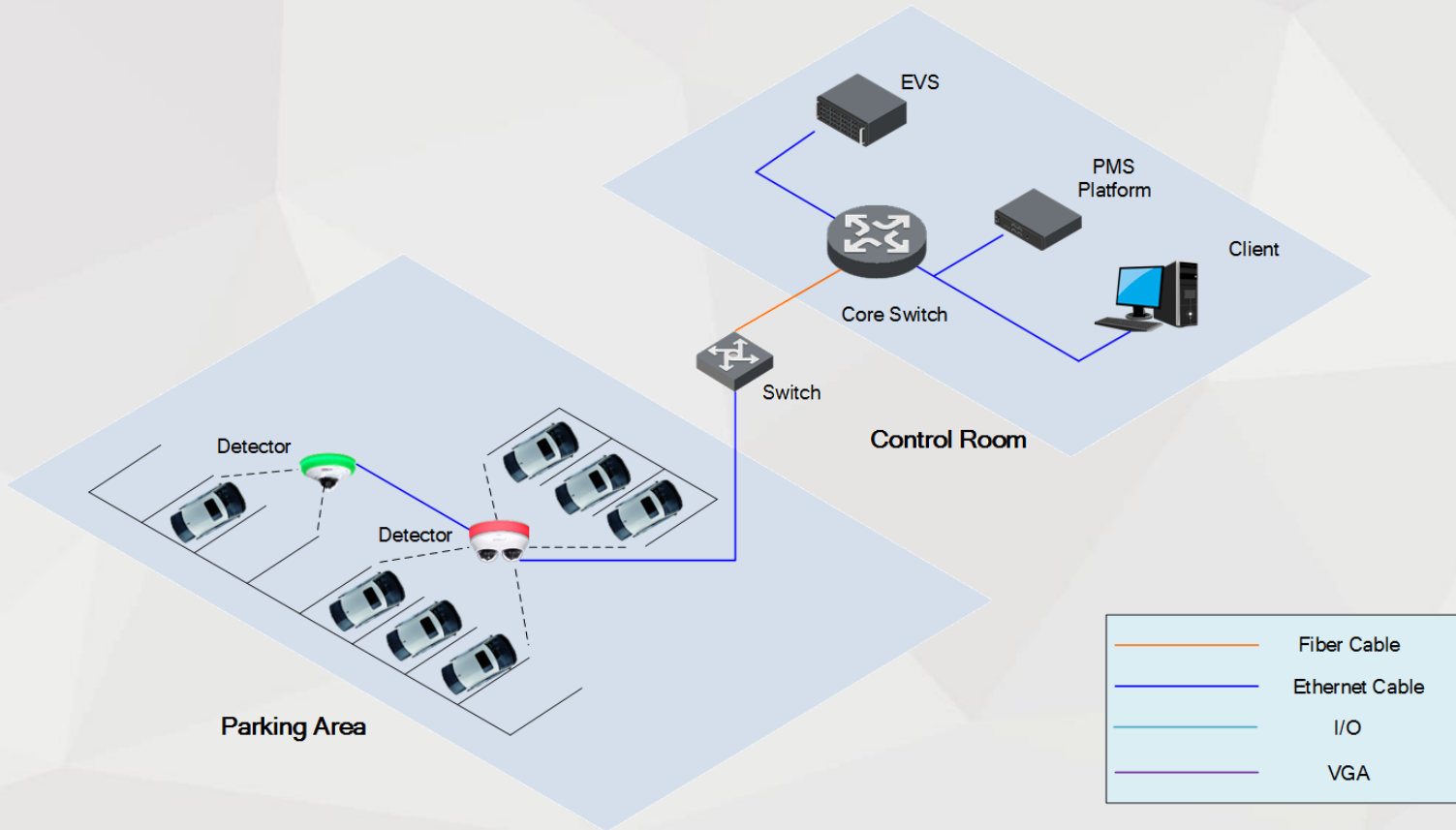# Denmark Copenhagen Airport

*Work together with Scanview System

■ Project Overview

➢ 950 Parking spaces /199 Dual-lens Detection Camera (first stage)

➢ PMS

■ Project Requirement

➢ Parking Guidance System

➢ Providing indispensable data to third-part platform, base on the premise that define the parking price policies.

➢ Business Intelligent Analysis

➢ Double-parking Detection

System Topology

EVS

PMS Platform

Client

Core Switch

Switch

Control Room

Detector

Detector

Parking Area

	Fiber Cable
	Ethernet Cable
	I/O
	VGA

Parking Guide System

Spot Detector
Detection camera will tell you if the parking spot is occupied or not. Also provide video stream to the storage system.

ANPR
Automatically identify the current parking space of the license plate information, and provide the plate number to "Vehicle Locating System"

Double Parking Alarm
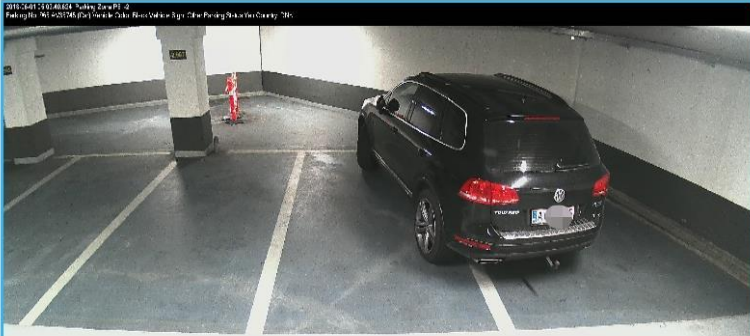
Double-parking Detection
Based on video analysis technology, determine whether the vehicle occupies two parking spaces

Automatically Warning
Automatically alert on the platform when the Double-parking event is detected.

Comprehensive Surveillance

Video Surveillance

Offers 24×7 surveillance features using the LPR Camera and Space Detector.

Searching Everything

Search the video and image by date/time/license plate number from the storage.

Controlling Everything On The E-Map
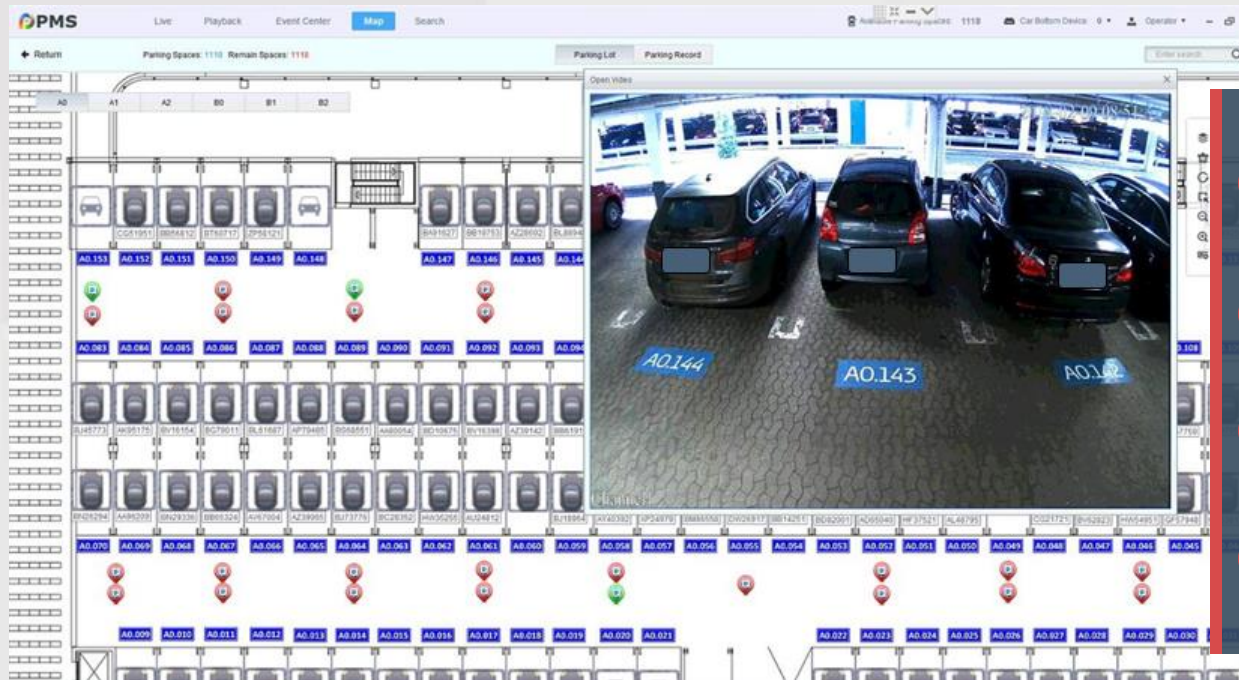
Visual Management: Specially design for parking management. Visual interface and operation.

Spaces & Devices Status: visually display the status of the Parking Spaces & device in the map.

Preview & Playback: providing video preview and playback.

Find The Car: base on ANPR technical, you can find out the exactly spot for specific vehicle.

Professional Parking Management System
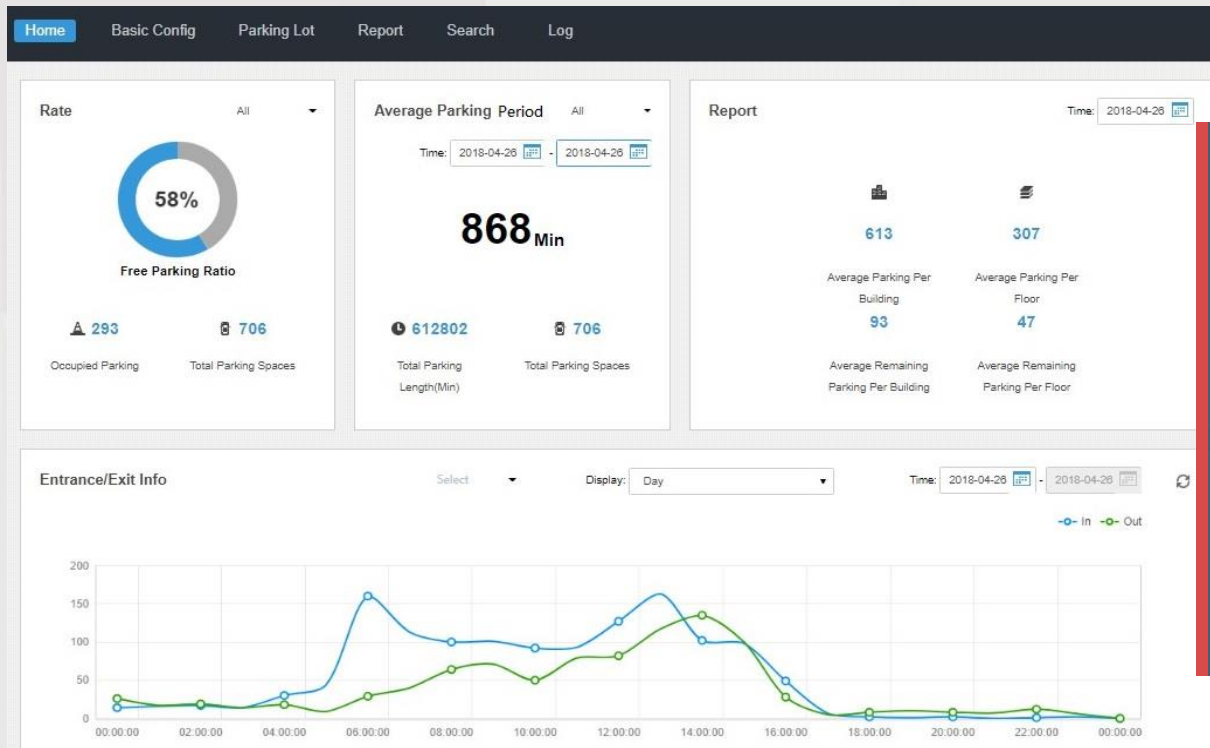
All Relevant Information: Clearly sees the detail with software platform, monitor your entire facility. you can use the data to streamline costs and maximize efficiency.

Smart Search: Search the video and image by date/time/license plate.

Parking Log: Rich parking, entry and exit history log, including vehicle picture, license plate, parking spaces, time information and etc..

Third-part Platform Integration (Under-integration)

Prices & Products
Read more about our prices and products here.

Budget
The cheapest parking at the airport
- 7-10 min. walk to the terminals
- Outdoor parking
From
360,- /week
Online price

Standard
Best location for the price
- 5-7 min. walk to the terminals
- In- and outdoor car parks
From
1100,- /week
Online price

Standard+
Walking distance from terminals
- 5 min. walk to the terminals
- In-
From
1250,- /week
Online price

Direct
Park right by the check-in area

We Park You Fly
Let us park the car

Manage your reservation
Change, cancel or re-send your parking reservation

✓ **Provide Integration Service:** Define the protocol of data, if necessary; including Number Plate, parking spot ID, type of illegal parking and so on.

✓ **Provides Data Support For Customers' Business:** e.g. different pricing for different parking spaces, optimization of parking traffic flow, provision of VIP parking service, etc..

Denmark Billund Airport

Billund Airport Indoor Parking Lot
- The park building is divided 2 areas
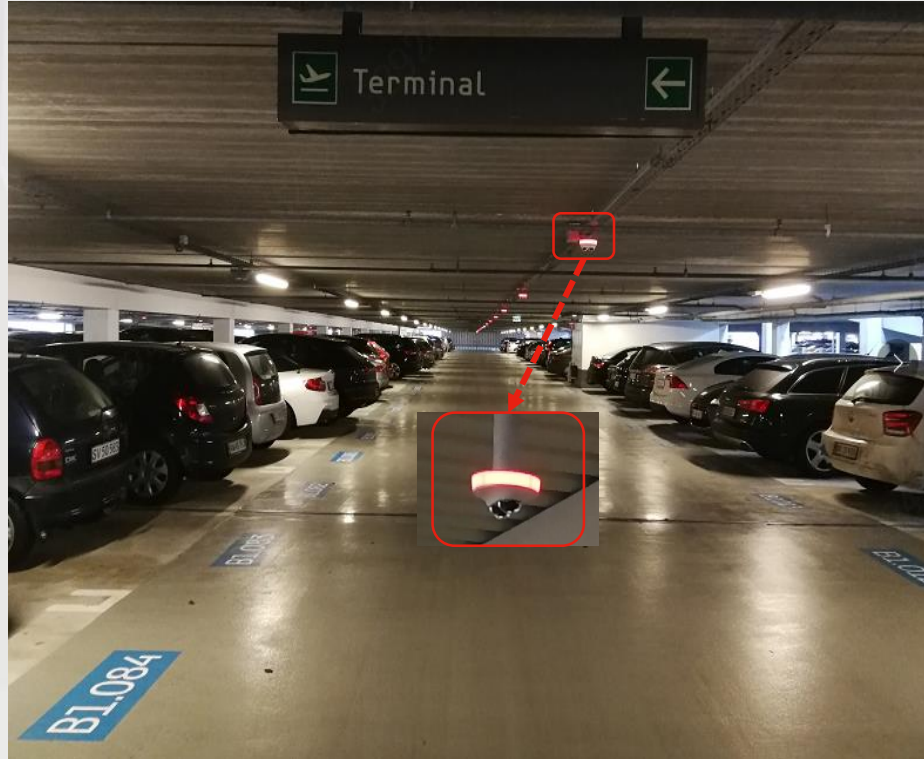- Each area has 3 floors
- 1217 Park lots in total

Project Overview

➢ 1217 Parking Spaces/230 Dual-lens Detection Camera

➢ 3 Guidance Screen

➢ 1 kiosk

Project Requirement

➢ Parking Guidance System

➢ Find My Car System

➢ 24*7 hours Video record in the Parking Lot, protect the customer property.

*Work together with Scanview System

Denmark Airport

Device List

NO.	Device Name	Model	Unit	Quantity
1	Guidance Screen	DHI-IPMPGI-220AA	Set	4
2	Platform Server	DHI-PMS8000	Set	1
3	Storage	DH-EVS7024S-R (30T)	Set	1
4	Storage	DH-EVS7024S-R (24T)	Set	1
5	Switch	DH-PFS6428-24T	Set	3
6	Car Locator	DHI-IPMPGS-200A	Set	1
7	Spot Detection Camera	DHI-ITC314-PH1A-TF2	Set	230

Netherland Jaarbeurs Exhibition Center

- **Project Overview**
  - ➤ 769 Parking spaces /285 Detection Camera/
  - ➤ 20 Guidance Screen
  - ➤ 3 kiosk

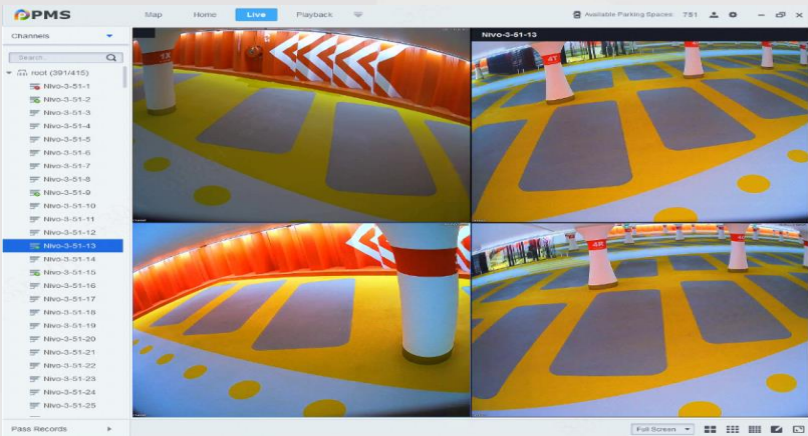- **Project Requirement**
  - ➤ Parking Guidance System
  - ➤ Find My Car System
  - ➤ Integrate with 3 part LED Sign
  - ➤ 24*7 hours Video record in the Parking Lot, protect the customer property.

Netherland Jaarbeurs Exhibition Center

Netherland Jaarbeurs Exhibition Center

Czech Republic Shopping Mall

■ Project Overview

➢ 2500 Parking spaces /925 Detection Camera/ 5 kiosk

➢ 20 Guidance Screen

➢ 5 kiosk

■ Project Requirement

➢ Parking Guidance System

➢ Find My Car System

➢ 24*7 hours Video record in the Parking Lot, protect the customer property.

Czech Republic Shopping Mall
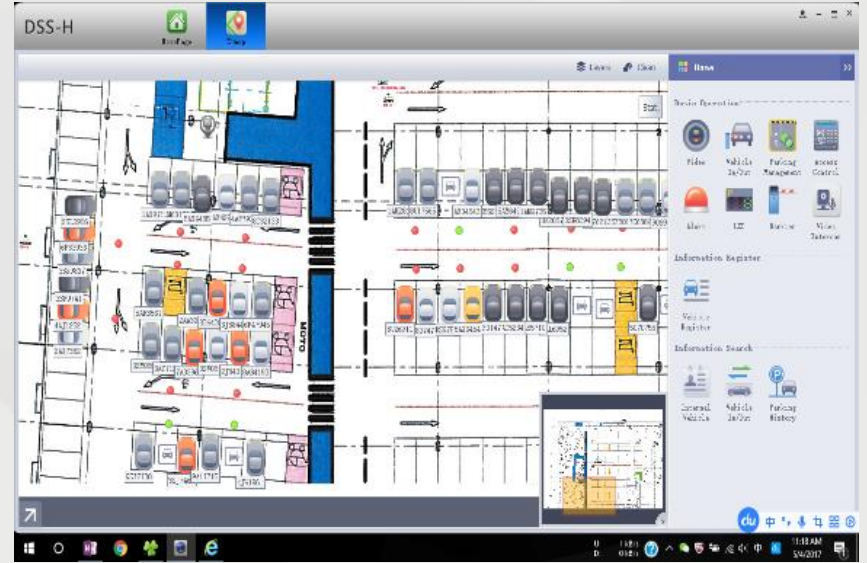
Device List

NO.	Device Name	Model	Unit	Quantity
1	Spot Detection Camera	ITC314-PH1B-F2	Set	900
2	Spot Detection Camera	ITC314-PH1B-F3	Set	25
3	Car Locator	IPMPGS-200AA	Set	2
4	Storage	EVS7048	Set	2
5	Guidance Screen	IPMPGI-230AA	Set	5
6	Guidance Screen	IPMPGI-210AA	Set	10
7	Guidance Screen	IPMPGI-220AA	Set	5
8	Platform Server	PMS8000	Set	1

Serbia Residence Community
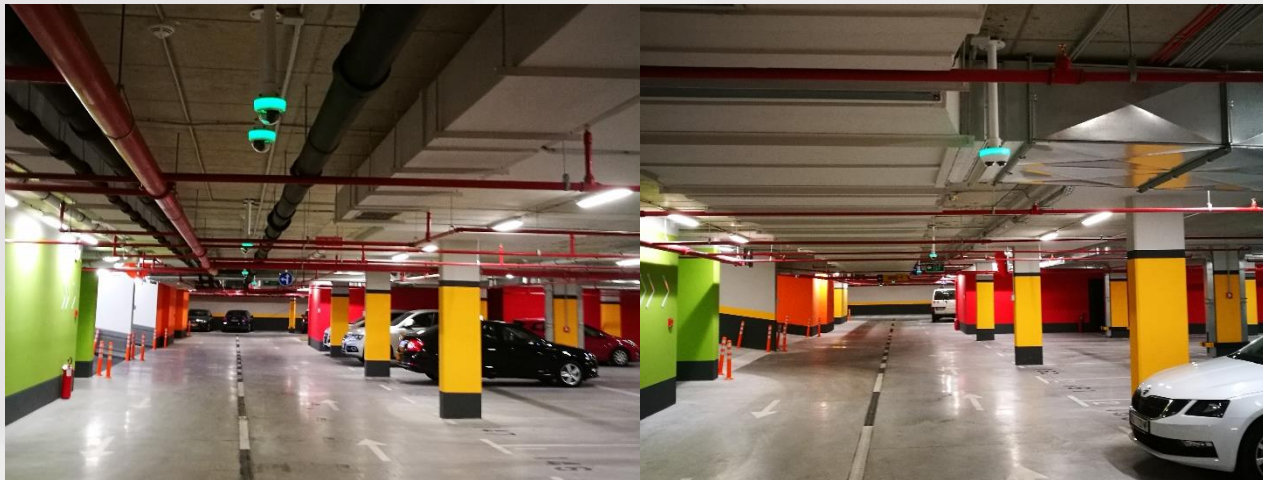
- **Project Overview**
  - 400 parking spaces/115 detection cameras
  - 4 access ANPR cameras and VTOs
- **Project Requirement**
  - Control the entrance and exit by ANPR whitelist
  - Private parking spaces management (VIP Management)
  - 24*7 hours video record in the parking

Device List

NO.	Device Name	Model	Unit	Quantity
1	Spot Detection Camera	ITC314-PH1B-F2	Set	103
2	Spot Detection Camera	ITC314-PH1A-TF2	Set	13
3	Access ANPR Camera	ITC237-PW1B-IRZ	Set	5
4	Video Intercom	VTO2000A	Set	4
5	Storage	EVS5024	Set	6
6	Platform	PMS	Set	1

Turkey Ispark Parking

■ **Project Overview**

➢ More than 1000 parking spaces

➢ 537 detection camera

➢ 120 indoor guidance screens

➢ 2 outdoor guidance screens

■ **Project Requirement**

➢ Parking guidance system

➢ Find My Car

➢ 24*7 hours Video record in the Parking Lot, protect the customer property.

Turkey Ispark Parking
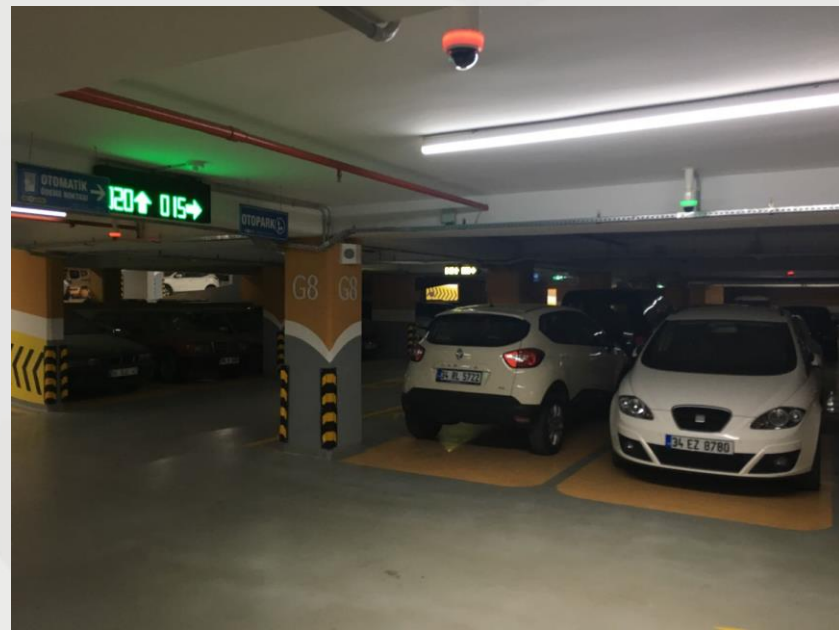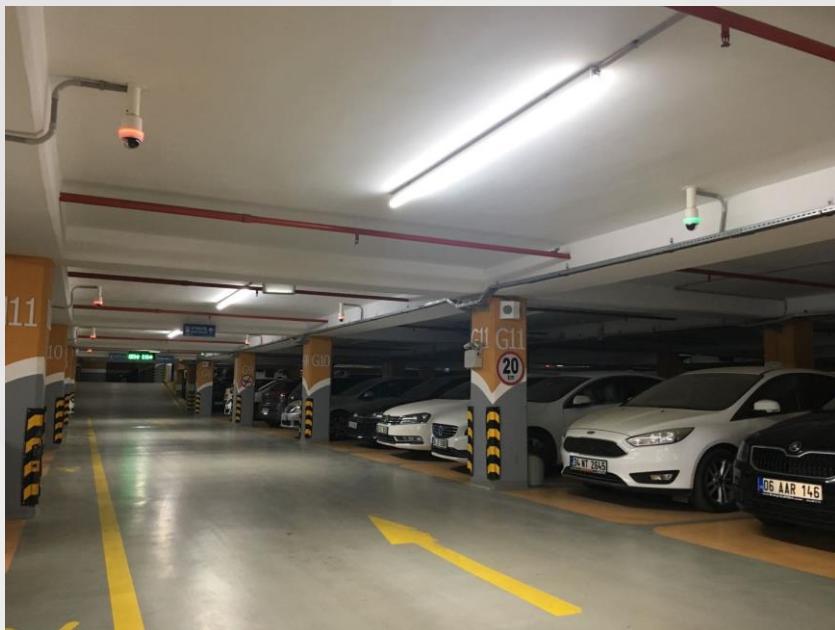
Device List

NO.	Device Name	Model	Unit	Quantity
1	Spot Detection Camera	DHI-ITC114-PH1B-F3	Set	111
2	Spot Detection Camera	DHI-ITC314-PH1B-F3	Set	126
3	Spot Detection Camera	DHI-ITC314-PH1A-TF3	Set	300
4	20 Ports Switch (16+4)	PFS4220-16T	Set	7
5	Storage	EVS7024-S	Set	2
6	Platform	PMS8000	Set	1
7	Guidance Screen(Two Layer)	DHI-IPMPGI-221AA	Set	1

Asian
Parking Project

Kyrgyzstan Shopping Center

■ **Project Overview**

➢ 2 Access ANPR cameras/ 2 Entrance& Exit

➢ 300 Parking space/ 69 Detection Camera/

➢ 7 Guidance Screen

■ **Project Requirement**

➢ Manual Payment System, create revenue

➢ Parking Guidance System

➢ 24*7 hours Video record in the Parking Lot, protect the customer property.

Kyrgyzstan Shopping Center
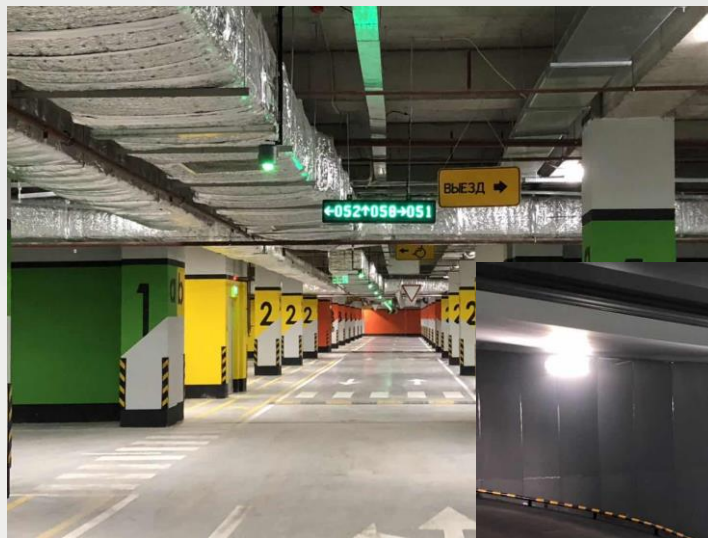
Mongolian Shopping Center

Project Overview

Shopping mall & Bank's parking Building, higher passenger throughput

➢ 500 Parking Spaces, 102 Spot Detection Camera

➢ Manual Payment System, create revenue

Project Requirement

➢ Parking Guidance

➢ Manual Payment & parking fee management

➢ Higher accuracy of license recognition

Device List

NO.	Device Name	Model	Unit	Quantity
1	Access ANPR Camera	DHI-ITC237-PW1A-IRZ	Set	4
2	Barrier	IPMECD-2012A	Set	4
3	Spot Detection Camera	DHI-ITC314-PH1B-F2	Set	102
4	Platform Server	PMS8000	Set	1
5	Recognition Server	DHI-IVS-T7000-R-PRO		1
6	Storage	EVS5024		1
7	Outdoor LED Screen	DHI-IPMECP-218AA DHI-IPMECP-248AA DHI-IPMPGI-211AA-M	set	8
8	Indoor LED Screen	IPMPGI-220AA	Set	5

North American Parking Project

Mexico Shopping Center

■ **Project Overview**

6 layers parking building near the shopping mall in city center. Nearly 1000 parking spaces in total.

➢ 17 indoor guidance screens and 2 outdoor guidance screens

➢ 2 digital signage for information display and car finding

➢ PMS Platform

Mexico Shopping Center

■ Project Overview

Parking guidance;

Find my car and information and ads display

24*7 hours Video record in the Parking Lot, protect the customer property.

Device List

NO.	Device Name	Model	Quantity
1	Spot Detection Camera	ITC214-PH2A-F3	73
2	Spot Detection Camera	ITC314-PH2A-F3	455
3	Guidance Screen	IPMPGI-120AC	17
4	Power Supply	AC100V~240V-53V120W-V-SOY	
5	Guidance Screen(Six Layer)	DHI-IPMPGI-261AA	2
6	Digital Kiosk(Digital Signage with car plate tracking function)	DH-LDV49-SAI200T	2
7	Parking Management Platform	DHI-PMS8000	1
8	EVS	EVS7048D-R	1

Thank You!