Forward-Mounted
Parking Guidance System

Pinpoint unoccupied parking space &
lead drivers to park in no time

How many anxious moments
have you spent looking for parking,
ending up gritting teeth?

OVERVIEW

In cities, large scale car parks with thousands of spaces are more and more common along with the increasing vehicles; however, still very often people have headache parking cars. Listed some facts about parking:
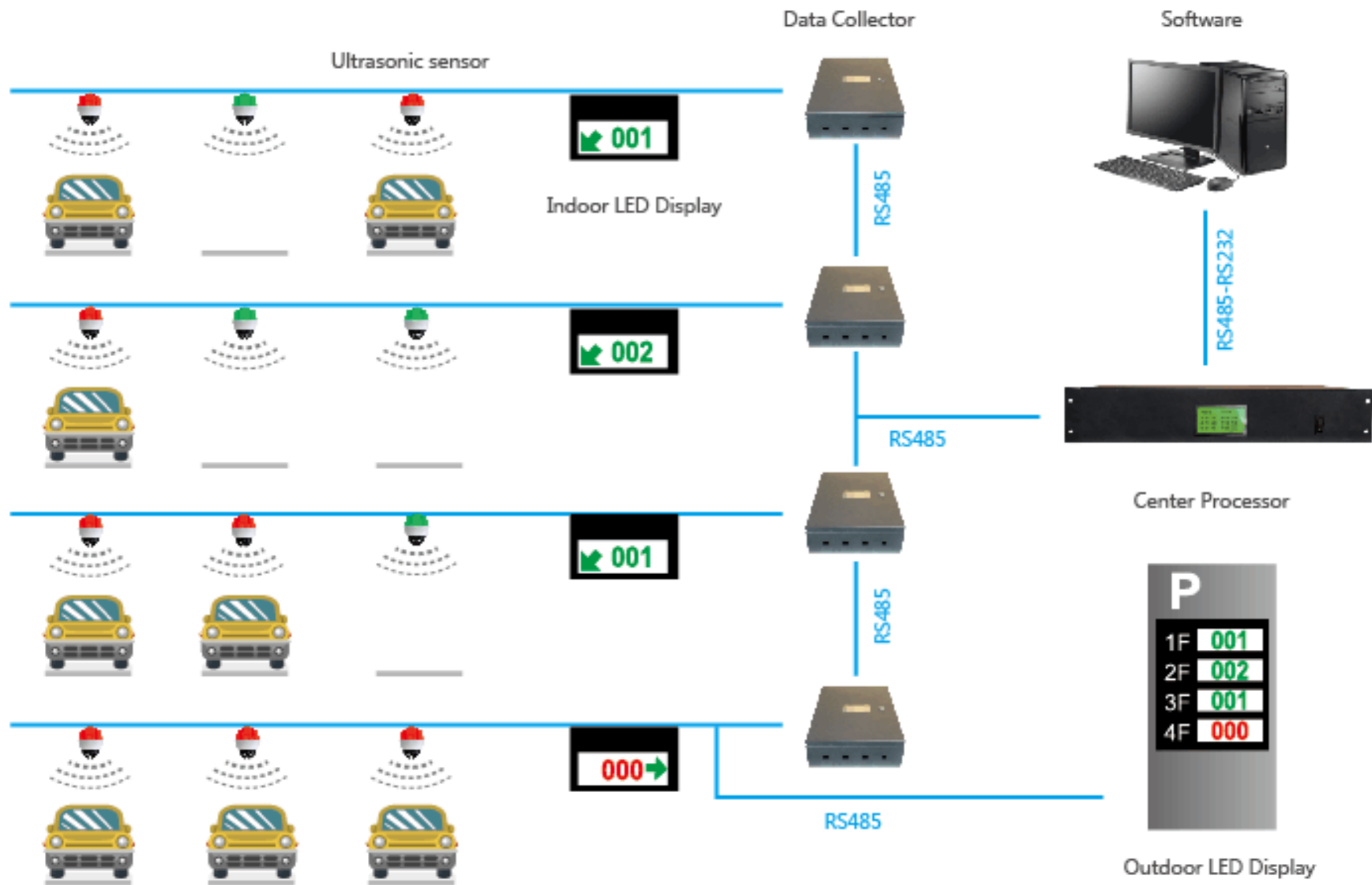
- It's very hard to find a parking space during busy hours;

- There are parking space available but you just can't find them easily;

- There are no more parking space but you have to drive around to find out;

- Parking management has no idea about occupancy of their facilities;

- Traffic congestion & toxic emission;

- Impatient drivers...

EMERGE AS TIMES REQUIRE...

As an ultimate solution to the above problems, Dashou Parking Guidance System (PGS) has been specially designed based on Ultrasonic detection and RS485 communication technology. The concept of the system is to pinpoint unoccupied parking space and lead drivers to park in no time.

HOW DOES IT HELP?

•Outdoor LED Display installed at entry shows parkers Qty. of vacant space of whole car park and each level, while several indoor LED Displays throughout each level shows parkers Qty. of vacant spaces in this level and shows the right direction to vacant spaces, and parkers can find a vacant space by seeing status (green/blue or red) of ultrasonic sensor forward mounted each parking space: Red-occupied; Green/blue-vacant

•Data Collector manages sensors in group and collect information for calculation at Centre Processor; the availability information is then released to LED Display which will be installed to each and every entrances and intersections of the parking.

•By telling drivers how many parking spaces are available before their entry to the parking and which direction to take in order to find one afterwards, we make parking a very simple and confortable experience for them.

•In a car park equipped with Dashou PGS, drivers can find a space within the shortest time; even if there's only one last parking space available, they will be guided there fast and effortlessly.

Ultrasonic sensor

Data Collector

Software

Indoor LED Display

↙ 001

↙ 002

↙ 001

000 →

RS485

RS485

RS485

RS485

RS485-RS232

Center Processor

P

1F	001
2F	002
3F	001
4F	000

Outdoor LED Display

Forward Mounted Ultrasonic Sensor

It is forward mounted over the parking space, to detect vehicles presence and show occupy or vacancy of space. Compared with normal sensor, this ultrasonic sensor is built in LED indicator, which reduces cost of cable, material and labor. Also the sensor is forward mounted over parking space, this make installation possible while parkers use parking space, reduce installation time and cost.

Green: Parking Space is vacant

Blue: Disabled Parking Space is vacant

Red: Parking Space is occupied

Specification - Ultrasonic Sensor			
Dimension	10.5cm(D)*14cm(H)	Weight	0.2kg
Working Voltage	DC24V	Peak Current	30mA
Frequency	40KHz	Sensitivity	>-25dB
Communication Mode	RS485	Transmission Distance	<1000m
Detection Angle	30°~55° Adjustable	Detection Distance	1.8-3.5m
Working Temperature	-25~70°C	Error	±0.2m
Color	Black & Frosted White	Housing	ABS

LED Display

Outdoor LED Display installed at entrances shows quantity of vacant spaces of whole car park and each level ; Indoor LED Display installed at intersections shows quantity of vacant spaces in each area and floor, and guides drivers the right direction to quickly find an available parking space. LED color is optional as green, red and blue.

LED Display

| Specification - LED Display			
Working Voltage	DC5V	*Frequency*	50-60Hz
Communication Mode	RS485	*Transmission Distance*	<1000m

Data Collector

Data Collector works as a bridge which connects Centre Processor to Ultrasonic Sensors. It collects and transfers sensor information to Centre Processor for final processing, and also transfers availability information from Centre Processor to LED Displays. A Data Collector manages up to 60 unit Ultrasonic Sensors and 20 unit LED displays

Centre Processor

As the core of Parking Guidance System, Center Processor analyses data, feedbacks the information to Management Software database, and releases information to be shown on LED displays. A Centre Processor manages up to 60 Data Collectors. Its LCD screen clearly shows the status of communication: shows OK if communication is good, otherwise it shows XX

Management Software
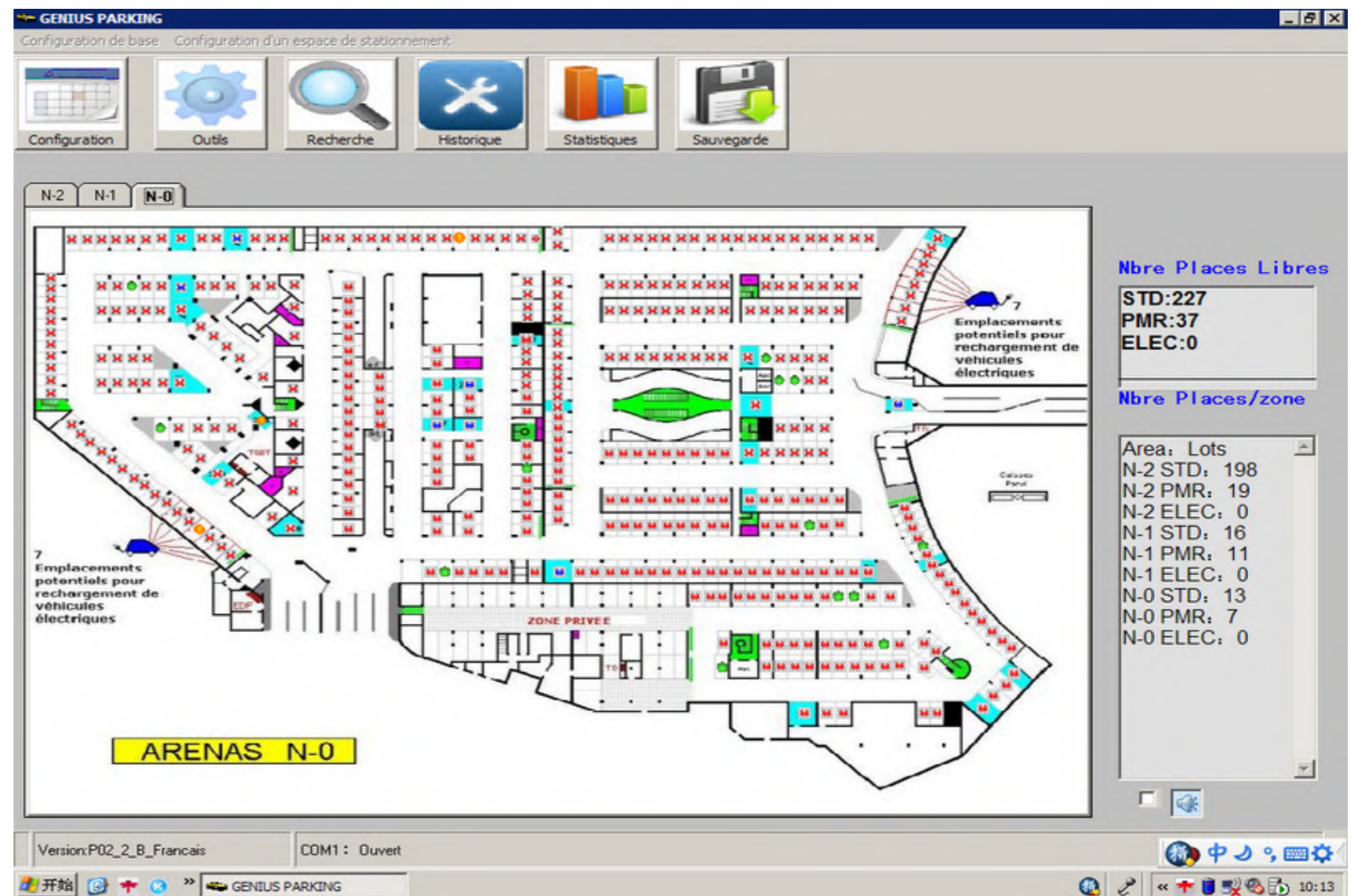
Multi-language, graphical application developed based on Window 7 OS & SQL database to display the occupancy status of parking spaces in real-time basis and provide various statistic reports for the management.

Remark: PGS is a standalone system workable without management software!

Benefit OF PGS

Dashou PGS benefits drivers, parking manager as well as the society, the ROI mainly includes the following:

- Minimize driving time while looking for space
- Improve parking experience/customer satisfaction
- Maximize usage rate of parking space/profitability
- Improve public image of parking facility
- Reduce energy waste & toxic emission
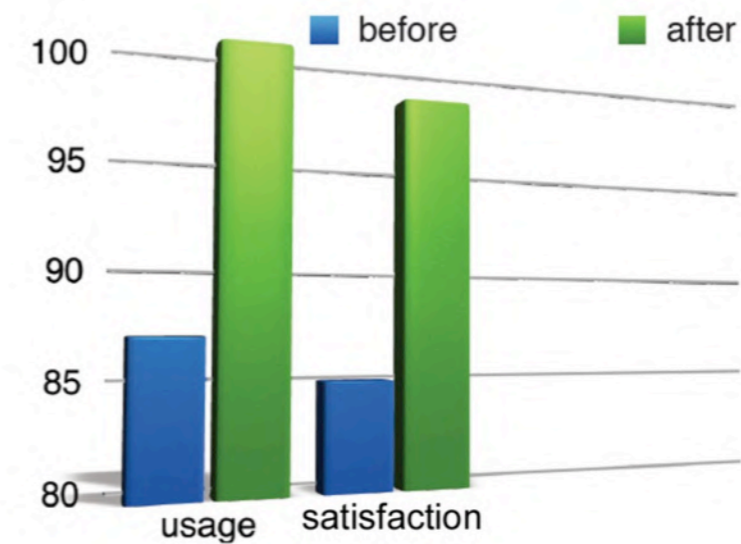
- Reduce management costs

Return of Investment

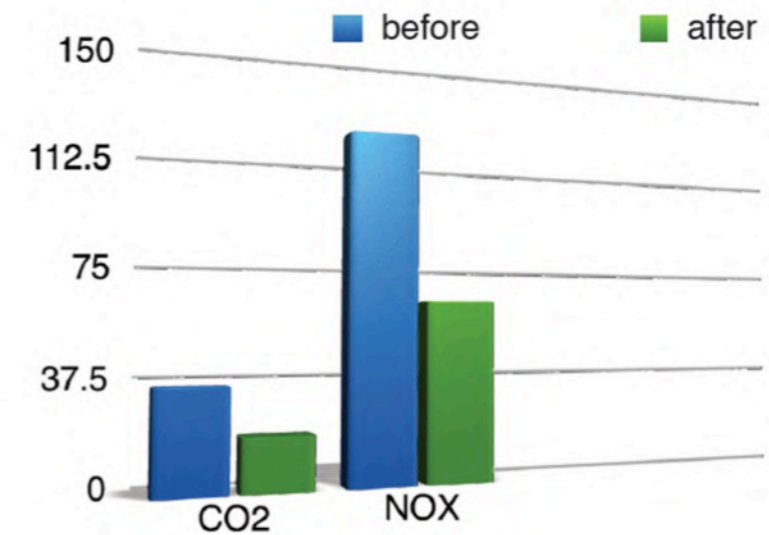*PGS benefits drivers, car park management, and society.*
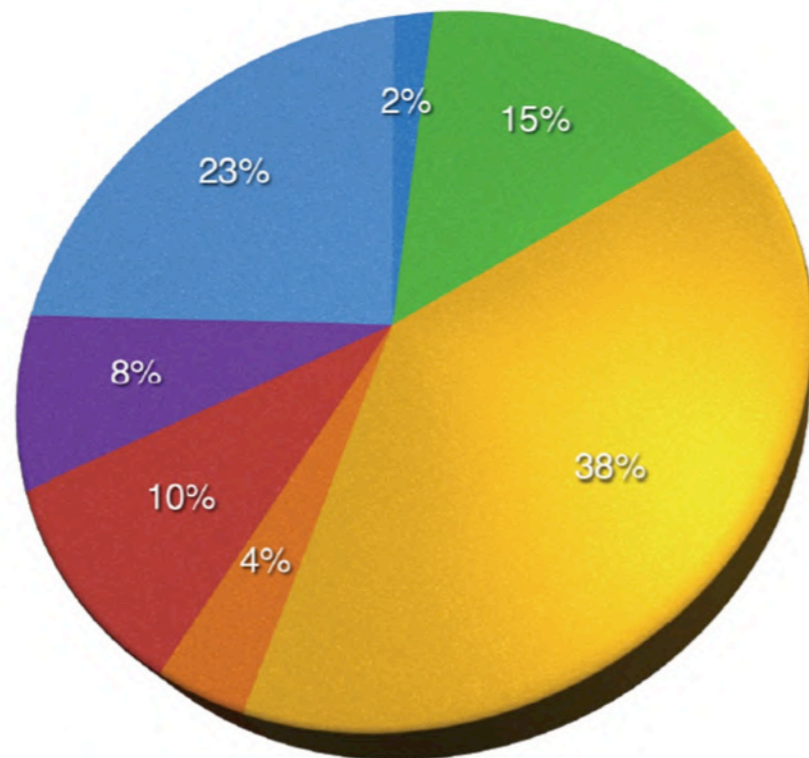
Legend: ● 0-5 ● 5-10 ● 10-15 ● 15-20 ● 20-30 ● >30 ● N/A

Save by average 10-15 minutes looking for space; provide stress free parking experience.

Maximized usage rate & customer satisfaction; more $$$ for manager.

Reduce by 50% the air polution within the car park; create an eco-friendly facility.

Terms & Conditions

- Warranty: 1 year
- Certificates: CE
- MOQ: 1 set
- OEM: Available
- Lead time :   3~10 working days after deposite received