

product presentation

CAME 
PARKARE

MOBILITY PARKING SOLUTIONS

PKX

**DESIGNED
FOR TODAY,
RELIABLE
AS ALWAYS**



**PARKING
CONTROL
SYSTEMS**

CAMEPARKARE.COM

EN ENGLISH



We wish to inform that some of the performances stated in this document are options that must be previously agreed upon in order to benefit from them.
 For further details, please request a personalized offer or contact our sales.

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01 >> NEW TERMINALS PKX

DESIGNED FOR TODAY, RELIABLE AS ALWAYS



In response to **technological evolution** and new industry needs, **PKX** has been designed as an **'open platform'** to offer a solution **suited to the current and near future challenges**, while preserving the same **essence, reliability, high performance, and advanced features** that define all our parking systems.

This new **'open platform'** makes it the **perfect solution** for any car park, even for those with high turnover, that require a **secure, reliable, and budget-adaptable system**.



01.01 > GENERAL FEATURES

TERMINALS EXTERNAL APPEARANCE

MANUFACTURING MATERIALS

All our equipment is manufactured with top quality and highly durable materials that guarantee the life cycle of the product and sustainability and recycling when replaced or dismantled. For this reason, all PKX components cumplen con la directiva RoHS are compliant with the RoHS directive thus environmental friendly.

The design is created always seeking the optimum functionality of the different systems, also guaranteeing their active and passive safety in case of accidents or improper use.

The PKX terminals are made of 1.5 mm AISI stainless steel which does not rust in a rural or urban atmosphere.

TERMINALS DESIGN

For the design of the different PKX terminals, a simple, safe and reliable interface has been sought for both final users and maintenance personnel.

At the same time, the original ergonomic and aesthetic criteria have been kept for the exterior design of the different terminals, so that they are seamlessly integrated into any install location.



CUSTOMISE YOUR CAR PARK

The standard PKX terminals are supplied in dark gray and black (5368A0837 y RAL 9005) with metraquilat front.

Optionally, a wide variety of colors is available, fully customizable for each client, according to the RAL color chart or other bespoke colours, and admits all types of graphic designs to provide them with sophistication and/or adaptation to the desired corporate image.

The TGIC-free, oven-dried powder coating with polyester resins is specially formulated for the lacquering of aluminum and steel surfaces, where maximum outdoor resistance is required. The elements protected with this type of lacquer have excellent weather and sun light resistance, complying with the international QUALICOAT specifications.



PKX

ENTRY AND EXIT TERMINALS

PKX entry and exit terminals, which are part of our 'open platform', feature a **7-inch screen for high visibility** in a panoramic format, as well as an **issuance autonomy of more than 5,000 tickets** at the entry terminals.

They have been designed with **simplicity and ease** in their structure and configuration, so that they can operate **without interruption**, requiring **minimal maintenance**.

Their **compatibility with the most advanced version of our PMS LINCE 7** allows the configuration of any operating mode, from the **most traditional, with ticket issuance**, to scenarios with dynamic entry and exit - **ticketless and free-flow**.


PKX


PAY ON EXIT TERMINAL


PKX Pay on Exit terminals, which are part of our "open platform", support **electronic payments** exclusively via contactless (NFC) technology. They offer a **printing capacity of over 5,000 tickets** for receipt issuance.


They are equipped with a **7-inch panoramic display, ensuring high visibility**, and have been designed with **simplicity and ease** of use in mind, both in terms of structure and configuration. This allows for **uninterrupted operation with minimal maintenance** requirements.

Their **compatibility with the most advanced version of our PMS LINCE 7** allows the configuration of any operating mode, from the **most traditional, with ticket issuance**, to scenarios with dynamic entry and exit - **ticketless and free-flow**.


 **THERMAL PRINTER**
More than 5.000 tickets


 **HIGH EFFICIENCY**
High performance adapted to any budget


 **HIGH VISIBILITY**
7" TFT display in widescreen format

 **MONITORABLE**
Remote management




DYNAMIC ENTRY / EXIT
Without stopping 


QR TECHNOLOGY
Integration with 3rd Party and APPs 

LOW MAINTENANCE
Ongoing operation 

PC TECHNOLOGY
Greater versatility 


 **THERMAL PRINTER**
More than 5.000 tickets


 **HIGH EFFICIENCY**
High performance adapted to any budget

 **HIGH VISIBILITY**
7" TFT display in widescreen format

 **MONITORABLE**
Remote management



PAY ON EXIT
EMV for electronic payments 

QR TECHNOLOGY
Integration with 3rd Party and APPs 

LOW MAINTENANCE
Ongoing operation 

PC TECHNOLOGY
Greater versatility 

PKX

AUTOMATIC PAYMENT STATION

Designed to improve car park profitability, the **PKX Automatic Payment Station** that is part of our **'open platform'**, has been designed with **low maintenance and high availability components** that turns it into a complete multifunction station suitable for **reliable operation in self-attended mode**.

It is capable of handling **any type of payment** while acting as an **information point, assistance, advertising, product and customized services sales**, thanks to features such as the 23.8-inch portrait format screen.

It maintains its compatibility with the **most advanced version of our PMS LINCE 7**, thus allowing the configuration for all payment types, from the most traditional based on a physical ticket, to the ticketless scenarios based on license plate payment from the APS (virtual ticket).

PKX CASHLESS

PAYMENT STATION

Designed to improve car park profitability, the **PKX Cashless Payment Station** that is part of our **'open platform'**, has been designed with **low maintenance and high availability components** that turns it into a complete multifunction station suitable for **reliable operation in self-attended mode**.

It accepts **secure and fast electronic payments exclusively** through credit cards with chip and/or proximity (NFC), **avoiding cash handling** and thus reducing the investment cost. It is also capable of acting as an **information point, assistance,**

advertising, product and customized services sales, thanks to features such as the **15.6-inch** portrait format screen.

It maintains its compatibility with the **most advanced version of our PMS LINCE 7**, thus allowing the configuration for all payment types, from the most traditional based on a physical ticket, to the ticketless scenarios based on license plate payment from the APS (virtual ticket).

23.8" TOUCHSCREEN
Portrait format

THERMAL PRINTER
Maximum availability for the release of products and/or receipts

REMOTELY ATTENDED
Low cost supervision

LOW MAINTENANCE
Ongoing operation



VIDEO ASSISTANCE
Easy communication with the user

QR TECHNOLOGY
Integration with 3rd Party and APPs

MULTIFUNCTION STATION
Ready for different uses



15.6" TOUCHSCREEN
Portrait format

VIDEO ASSISTANCE
Easy communication with the user

LOW MAINTENANCE
Ongoing operation

THERMAL PRINTER
Maximum availability for the release of products and/or receipts



MULTIFUNCTION STATION
Ready for different uses

QR TECHNOLOGY
Integration with 3rd Party and APPs

REMOTELY ATTENDED
Low cost supervision



PKX COMPACT

PAYMENT STATION

The **PKX COMPACT** Payment Station, part of our 'open platform', has been designed to optimize space and reduce costs for car parks.

It accepts payments exclusively through **electronic means**, allowing fast and secure transactions with **chip and/or contactless (NFC) credit or debit cards**, eliminating the need for cash handling.

Its **compact, wall-mounted design** allows for easy installation on any level or area of the car park, ensuring proximity and convenient access for users.

It offers all the advantages of a cashless pay station at a **significantly lower cost**, providing a **fast, secure, and modern user experience**.

It maintains its compatibility with the **most advanced version of our PMS LINC 7**, thus allowing the configuration for all payment types, from the most traditional based on a physical ticket, to the ticketless scenarios based on license plate payment from the APS (virtual ticket).

21.5" TOUCHSCREEN
Portrait format

MULTIFUNCTION STATION
Ready for different uses

VIDEO ASSISTANCE
Easy communication with the user

QR TECHNOLOGY
Integration with 3rd Party and APPs

LOW MAINTENANCE
Ongoing operation

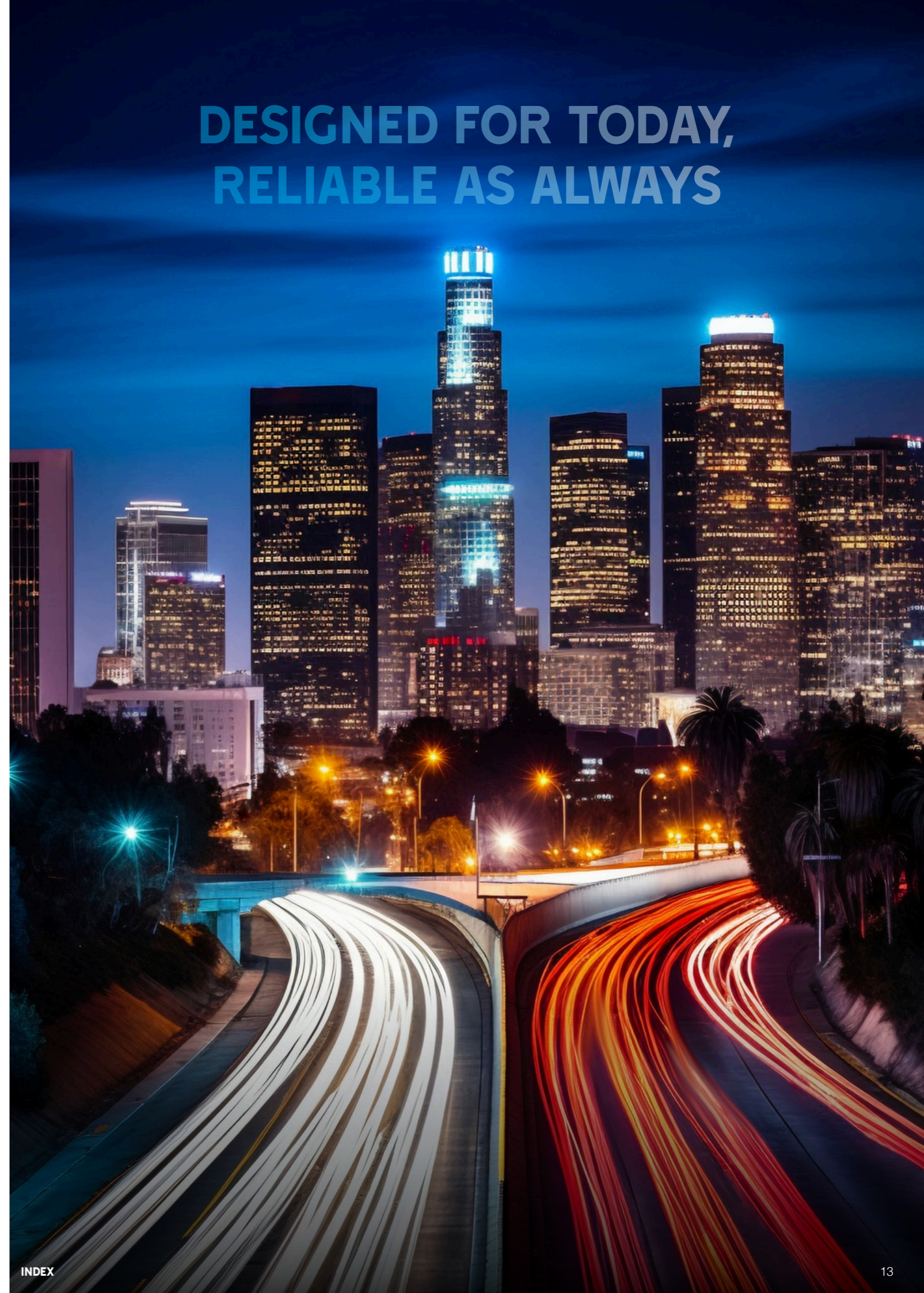
REMOTELY ATTENDED
Low cost supervision

THERMAL PRINTER
Maximum availability for the release of products and/or receipts

COMPACT DESIGN
Reduced size, easily placeable



DESIGNED FOR TODAY, RELIABLE AS ALWAYS





TECHNICAL FEATURES

01.02 > PKX ENTRY TERMINAL



FEATURES

Some of the components/devices may be optional.

USER INTERFACE

- 7" widescreen display.
- Multi-language operation.
- Sleep mode for low power consumption.

COMPONENTS

- Embedded PC based on x86 architecture with SSD storage.
- 2" thermal printer with a long-lasting printhead, integrated cutter, and ticket presence detector. Capable of issuing barcode or QR code tickets and printing parking access details (date, time, terminal number..).
- Ticket roll (58 x 190 x 25,4) made of thermal paper with a weight of 105g/m².
- End-of-roll detection.
- Internal ventilation system.
- Heating system.
- RFID proximity card reader for subscriber control and integrated QR reader.
- IP intercom based on SIP protocol for communication with the central office.
- Pinhole camera for facial image capture.

COMMUNICATIONS

- Ethernet communications protocol (TCP/IP).
- Barrier controlled via GPIO and/or IP intercom.

EXTERNAL FINISH AND SECURITY

- 1.5 mm AISI 430 stainless steel housing, polyester powder-coated and oven-dried, suitable for outdoor use.
- Single side door.
- Height x Width x Depth (mm):
1095 x 270 x 325

OTHER FEATURES

- Self-adjusting vehicle presence detection:
 - Single (passenger cars)
 - Double (passenger cars and motorcycles)
- Ticket issuance: manual activation (button) or automatic (vehicle presence).



01.03 > PKX EXIT TERMINAL



FEATURES

Some of the components/devices may be optional.

USER INTERFACE

- 7" widescreen display.
- Multi-language operation.
- Sleep mode for low power consumption.

COMPONENTS

- Embedded PC based on x86 architecture with SSD storage.
- Internal ventilation system.
- Heating system.
- RFID proximity card reader for subscriber control and integrated QR reader.
- IP intercom based on SIP protocol for communication with the central office.
- Pinhole camera for facial image capture.

COMMUNICATIONS

- Ethernet communications protocol (TCP/IP).
- Barrier controlled via GPIO and/or IP intercom.

EXTERNAL FINISH AND SECURITY

- 1.5 mm AISI 430 stainless steel housing, polyester powder-coated and oven-dried, suitable for outdoor use.
- Single side door.
- Height x Width x Depth (mm):
1095 x 270 x 325

OTHER FEATURES

- Self-adjusting vehicle presence detection:
 - Single (passenger cars)
 - Double (passenger cars and motorcycles)



01.04 > PKX PAY ON EXIT TERMINAL



FEATURES

Some of the components/devices may be optional.

USER INTERFACE

- 7" widescreen display.
- Multi-language operation.
- Sleep mode for low power consumption.

COMPONENTS

- Embedded PC based on x86 architecture with SSD storage.
- 2" thermal printer with a long-lasting printhead, integrated cutter, and ticket presence detector. Receipt printer.
- Ticket roll (58 x 190 x 25,4) made of thermal paper with a weight of 105g/m².
- End-of-roll detection.
- Internal ventilation system.
- Heating system.
- RFID proximity card reader for subscriber control and integrated QR reader.
- IP intercom based on SIP protocol for communication with the central office.
- Pinhole camera for facial image capture.

COMMUNICATIONS

- Ethernet communications protocol (TCP/IP).
- Barrier controlled via GPIO and/or IP intercom.

EXTERNAL FINISH AND SECURITY

- 1.5 mm AISI 430 stainless steel housing, polyester powder-coated and oven-dried, suitable for outdoor use.
- Single side door.

OTHER FEATURES

- Self-adjusting vehicle presence detection:
 - Single (passenger cars)
 - Double (passenger cars and motorcycles)
- Button for issuing receipts.

PAYMENT MODULES

- EMV reader for credit card with proximity payments (NFC).



01.05 > PKX AUTOMATIC PAYMENT STATION



FEATURES

Some of the components/devices may be optional.

USER INTERFACE

- 23.8" touchscreen in portrait format.
- Operation in 4 languages (defined by the customer).
- IP intercom based on SIP protocol for communication with the central office.
- Sleep mode for low power consumption.
- Low-latency facial camera integrable with the intercom.
- High-brightness outdoor screen (optional).

COMPONENTS

- Embedded PC based on x86 architecture with SSD storage.
- Internal ventilation system.
- Heating system.
- RFID proximity card reader for subscriber control and integrated QR reader with the capacity to read codes on ticket support, printed paper and mobile devices (smartphones, tablets...).
- Thermal receipt printer and/or ticket issuer.
- Uninterruptible power supply system (UPS), which allows the cashier to complete ongoing operations in the event of a power failure.

PAYMENT MODULES

- EMV reader for credit card with chip and proximity payments (NFC). Keyboard module the introduction of PIN code, optional.
- Ask availability for approval in different countries.
- Banknote reader, with capacity to read 64 different banknotes on 4 sides and escrow function. It has a 300 banknote stacker (optional).
- Banknote acceptor with recycler system (optional). It has multiescrow and recycling capacity for 2 denominations, with up to 30 banknotes in each recycler hopper. Single slot.
- Coins module with change giving, accepting up to 16 denominations of different coins and automatic return of 4 different values.
- 3 self-charging coin hoppers, with capacity of 750 coins/each.
- 1 manual reload hopper (optional) configurable for 750 coins or 1.500 coins capacity.

EXTERNAL FINISH AND SECURITY

- 2 mm AP02 steel sheet cabinet, with anti-corrosion coating and powder-coated with polyester resins, free of TGIC.
- Front door with security lock and multiple locking points.
- Micro sensors for detection: door opening, lock, coin box removal, hoppers removal and note box removal.
- Height x Width x Depth (mm): 1485 x 740 x 500

* Please consult the different available heights (1485 – 1685 mm)



01.06 > PKX CASHLESS PAYMENT STATION



FEATURES

Some of the components/devices may be optional.

USER INTERFACE

- 15.6" touchscreen in portrait format.
- Operation in 4 languages (defined by the customer).
- IP intercom based on SIP protocol for communication with the central office.
- Sleep mode for low power consumption.
- Low-latency facial camera integrable with the intercom.
- High-brightness outdoor screen (optional).

COMPONENTS

- Embedded PC based on x86 architecture with SSD storage.
- Internal ventilation system.
- Heating system.
- RFID proximity card reader for subscriber control and integrated QR reader with the capacity to read codes on ticket support, printed paper and mobile devices (smartphones, tablets...).
- Thermal receipt printer and/or ticket issuer.
- Uninterruptible power supply system (UPS), which allows the cashier to complete ongoing operations in the event of a power failure.

PAYMENT MODULES

- EMV reader for credit card with chip and proximity payments (NFC). Keyboard module the introduction of PIN code, optional.

EXTERNAL FINISH AND SECURITY

- 2 mm AP02 steel sheet cabinet, with anti-corrosion coating and powder-coated with polyester resins, free of TGIC.
- Front door with security lock and multiple locking points.
- Micro sensors for detection: door opening, lock, coin box removal, hoppers removal and note box removal.
- Height x Width x Depth (mm): 1485 x 350 x 250

* Please consult the different available heights (1485 – 1685 mm)



01.07 > PKX COMPACT PAYMENT STATION



FEATURES

Some of the components/devices may be optional.

USER INTERFACE

- 21.5" touchscreen in portrait format.
- Operation in 4 languages (defined by the customer).
- IP intercom based on SIP protocol for communication with the central office.
- Sleep mode for low power consumption.
- Low-latency facial camera integrable with the intercom.

COMPONENTS

- Embedded PC based on x86 architecture with SSD storage.
- Internal ventilation system.
- RFID proximity card reader for subscriber control and integrated QR reader with the capacity to read codes on ticket support, printed paper and mobile devices (smartphones, tablets...).
- Thermal receipt printer and/or ticket issuer.

PAYMENT MODULES

- EEMV reader for credit card with chip and proximity payments (NFC). Keyboard module the introduction of PIN code, optional.

EXTERNAL FINISH AND SECURITY

- 2 mm AP02 steel sheet cabinet, with anti-corrosion coating and powder-coated with polyester resins, free of TGIC.
- Front door with security lock.
- Micro sensor for door opening detection.
- Height x Width x Depth (mm): 600 x 600 x 173



01.08 > GARD PX BARRIER



FEATURES

Opening speed (s):	1 ÷ 2
Protection rate:	IP54
MCBF *:	10.000.000

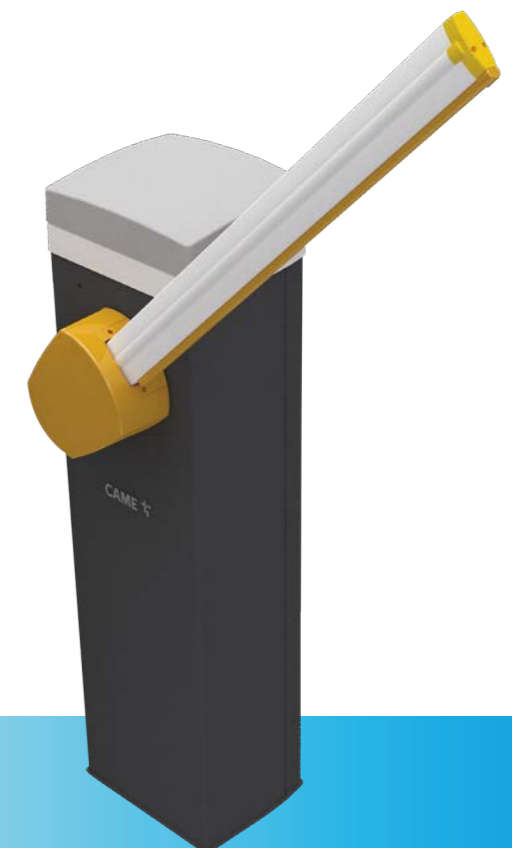
* Mean cycles between failures.

The GARD PX Barrier has been developed to meet the most demanding needs in high duty cycle facilities. It is equipped with a **brushless** motor, which makes it possible to offer:

- Minimal maintenance due to the absence of brushes in the motor.
- Ability to maintain or increase torque at different speeds.
- Brushless motors have a smaller size, better heat dissipation, lower noise and higher operating speeds.

Thanks to **brushless** technology, opening manoeuvring speeds of 1 to 2 seconds are achieved, depending on the boom length, operating its motion with advanced and linear control.

Other advanced features include easy access to control electronics, as well as a wide range of accessories, operations counter for preventive maintenance and a practical system of boom unlocking by safety key, in case the parking operator so requires.



01.09 > PEDESTRIAN ACCESS READER



FEATURES

Some of the components/devices may be optional.

USER INTERFACE

- 6.5" touchscreen, including an alphanumeric keyboard.
- SIP based protocol IP Intercom for communications with Central IP Intercom.
- Low latency face camera, integrable with intercom.
- Green LED for power.
- Red (unidentified) and green (identified) operating LEDs.
- User presence detector.

COMPONENTS

- 1D/2D (QR) barcode reader, capable of reading printed tickets and mobile devices (smartphones, tablets...).
- Proximity card reader.
- Embedded PC based on x86 architecture and SSD support for data storage.
- Electric security lock (power supply not included).
- Technical box (inside).
- Associated door status signal or input: opened or closed.
- Internal ventilation system.

COMMUNICATIONS

- Ethernet communications protocol (TCP/IP).
- Barrier controlled by GPIO.

EXTERNAL FINISH AND SECURITY

- Cabinet AISI 430 stainless steel housing, powder-coated polyester, oven-dried, suitable for outdoor use.



01.10 > MANUAL CASHIER



FEATURES

The Manual Cashier is a complete point of face-to-face assistance, close to the user and with the capacity to collect stays, manage subscribers or system cards, operate with parking data and solve any eventuality. All in one.

It offers maximum functionality and power in the minimum space.

The Manual Cashier features LINCE software with a new user interface for easy system management. From the cashier, not only is it possible to collect parking charges but it gives access to many other features.

- Proprietary software for parking control and management LINCE 7.0.
- Access restricted by identification and differential key according to user profiles.
- Automatic rates calculation.
- Collection and validation of tickets. Recoding and printing of the entry ticket, once paid, for use at the exit validator.
- Product generation. Coding, recording of system cards, service, subscribers or vouchers.
- Multiple payment means. Admission of any payment method (cash, discounts, vouchers, credit).
- Troubleshooting. Admission of payment of illegible or lost tickets, time exceeded, etc.
- Access control. Barrier opening / closing from the keyboard (Manual Cashier exit mode).

ALL IN ONE Manual Cashier



02 >>

GENERAL FEATURES OF OUR PARKING SYSTEMS

Further to the new features described above, our **PKX** retains the general features and advantages of all our Parking Systems.



02.01 > SETUP DESIGN AND TERMINALS

SYSTEM CONFIGURABILITY

Our systems have been conceived as a fully configurable modular structure, both at the level of the system itself and its components. In this way, they can adapt to the customer's own needs, as well as to the characteristics of the premises where it is planned to be located and / or the legal regulations that may exist in this regard.

Our systems are designed to accommodate all forms of operation depending on the needs of the parking manager and the venue conditions.

The definition of the control system is fully scalable and, therefore, allows its customization according to the client's needs.

The simplest configuration is made up of a ticket emitting terminal, a manual cashier and the corresponding entry and exit barriers. The most complex would incorporate different entry and exit terminals, automatic cashiers and centralized management tools, as well as other options such as cameras for license plate recognition or the integration of the **OPTIMA** automatic guidance system for car parks.

ENTRY LANES

The entries to the parking area allow automated reception and acceptance of vehicles. The entry protocol is as follows:

- 1 > Reading and reconnaissance of the car license plate.
- 2 > Automatic issuance of the ticket by vehicle presence detection and /or manual request (pushbutton), according to a previously defined configuration.
- 3 > Validation of the identity of the incoming vehicle and/or user by means of the license plate, subscriber card, TAG or any other control indicator previously defined.
- 4 > Entry barrier opening.

These entries are composed of emitting terminals and barriers, which identify and give access to all the car park users. The issuing terminal generates and dispenses the user an entry ticket (physical or virtual) with the entry registration data: date, time, entry identifier and license plate number of the incoming vehicle.

The ticket issuer has an associated vehicle detector loop that is used to automatically detect the presence or passage of vehicles on it.

EXIT LANES

The car park exit lanes allow the parked vehicles leave the venue, after user identification or validation of payment of an amount.

The exit protocol is as follows:

- 1 > Reading and reconnaissance of the car license plate.
- 2 > Validation of the identity of the incoming vehicle and/or user. The validation protocol changes according to the means or control support used (rotation tickets, subscriber passes, license plate, TAG...).
- 3 > Entry barrier opening.

Validation terminals and barriers are located at the exits, which identify and allow drivers to exit. The validator terminal is intended for reading and validating the exit tickets or equivalent cards and permitting the user to exit. Optionally, this type of terminal can be configured to support the payment of parking.

The validator has an associated vehicle detector loop that is used to automatically detect the presence or passage of vehicles on it.

SUBSCRIBERS' PASSAGE AREAS

Regular users of the car park (e.g. subscribers, seasonal users or other customers with special service conditions), due to their own usage habits, may require the use of these terminals:

SUBSCRIBERS' READER

The subscriber readers have the same characteristics as the exit validator terminals, but their use is exclusively for registered or special users of the car park and can give access to reserved areas within the premises, in addition to its exit. If the reading data is correct, this terminal triggers the automatic opening of the exit barrier with which it is associated.

PEDESTRIAN ACCESS READER

Device intended for identifying parking users by reading an RFID proximity card or 1D/2D reader. If the reading of the used identifier is valid, this terminal triggers the automatic opening of the access door to the parking lot. Optionally it has a touchscreen keyboard to access the premises by entering the vehicle license plate.

PAYMENT TERMINALS

UNATTENDED TERMINALS

Automatic Cashiers enable paying a vehicle's stay amount without the intervention of any operator. Our system has automatic Cashiers that allow cash and electronic payment, as well as a reduced version with electronic payment only.

The Automatic Cashier calculates the amount to be paid by the user, allowing him to leave the car park.

Electronic payment Cashiers only accept payments of this type, for example, credit cards, business vouchers, etc.

MANNED TERMINALS

Payment of stay is effected through an operator who, in turn, deals with other exceptional cases (lost ticket, etc.).



02.02 > CRITICAL COMPONENTS REDUNDANCY: EQUIPMENT

Our systems allow the redundancy of equipment according to the functionality for which they are intended.

SHARED LANE CONTROL

For use of redundant terminals, subscriber-exclusive terminals or dual-height car/truck terminals.

REVERSIBLE LANE CONTROL (ENTRY & EXIT LANES)

Allows reversibility:

- By schedule.
- By decision of an operator or automatic.
- By assigning the control of the barrier to the vehicle arriving first and the consequent restraint of the one driving in the other direction.

Allows integration with reversible road traffic lights.

02.03 > TERMINAL AUTOMATISMS

The parking control and management system automatically and completely autonomously performs a series of basic tasks to ensure the correct maintenance of the entire structure.

- Automatic synchronization of configuration data, date and time and updates from the UCA* to all terminals in the system.
- Locking / unlocking terminals according to previous programming or manually.
- Self-monitoring of the internal temperature of each terminal to activate, if applicable, its air conditioning systems.
- Generation of summaries of alarms, exceptions and day's closure.

In addition to the above tasks, the system also has a specific task planning tool that allows scheduling any other routine that is considered appropriate to be regularly executed in an automatic way. For example, printing reports, making backups, exporting data, running any application or changing rate settings.



*UCA: Parking Control Unit.

02.04 > ON AND OFF-LINE OPERATION

The Lince system is structured in three levels:

1 > LINCЕ MULTI-PARKING

Hosted in a Cloud.

2 > LINCЕ PARKING

Hosted in the parking (UCA).

3 > LINCЕ TERMINALS

Hosted in terminals such as Entry, Exit, Automatic Cashier...

Each level is responsible for the validation of the data available to it.

The Lince system allows you to configure the possibilities of offline validation with a set of parameters that enables adapting the behaviour of these validations to the characteristics of the parking and the products it offers to its customers.

LINCЕ LEVELS	HOSTING	ALL 3 LEVELS ARE ONLINE	OFF-LINE SITUATION BETWEEN PARKING AND MULTI-PARKING	OFF-LINE SITUATION BETWEEN TERMINALS AND PARKING
MULTI-PARKING	Cloud	Full validation is performed at the highest level	✗	✗
PARKING	Parking	Centralizes terminal validation requests and sends them to multi-parking	An off-line validation is performed with the parking and configuration data. [1]	✗
TERMINALS	Terminal	Reads and performs a credentials pre-validation with the data contained in the support.	Reads and performs a credentials pre-validation with the data contained in the support.	Reads and performs a credentials pre-validation with the data contained in the support. Performs an off-line validation with the configuration data. [1]

[1] All operations are stored at this level until communication with the top level is restored.

02.05 > ADDITIONAL PERFORMANCES

The terminals have the following additional features:

ANTIPASSBACK CONTROL



Verification system that prevents a customer from using the same credential (rotation ticket, subscriber card, etc.) in the same type of terminal consecutively. This utility prevents the shared use of a non-transferable subscription.

ALARM TICKET CONTROL (FRAUD)



This situation occurs at an entry terminal when an unsuccessful attempt to access the car park is detected, or when detection of an incoming vehicle fails. The identifier is marked with an alarm that prevents it from being accepted at the automatic cashiers of the car park.

PASSING VEHICLES DETECTION



The system accepts the identification of up to 8 types of vehicles (cars, motorcycles, trucks, etc.), enabling various performances:

- Each type of vehicle will be assigned a different rate type.
- Check that the type of vehicle leaving is the same that entered.
- Check that the type of vehicle is authorized for the type of customer.
- Check that the type of vehicle has authorized access, by configuring the types of vehicles allowed at each terminal.

SHARED BARRIERS



Possibility for several passage terminals to share the same barrier. For example, for reversible or single lanes.

TRAFFIC LIGHTS



Each terminal may have an associated traffic light showing its availability.

MONITORED "OUT-OF-SERVICE"



All terminals have a "lock" mode, in which the equipment is switched out-of-service for clients, but remains operational for the operator, detecting any events that may occur (failures, manual opening of a barrier, passage without opening, etc.).

A terminal can enter or exit "lock" mode:

- Using a switch inside the terminal (access terminals only).
- By order from an operator at a parking or multi-parking checkpoint.
- At specific times, by configuring the locking schedule for each terminal.

MANUAL BARRIERS OPENING / CLOSING



The barriers have an emergency key to manually operate the boom locking or opening.

MULTILINGUAL MESSAGING



The passage terminals show messages on the displays, alternating among 2 of the 13 available languages. The automatic cashiers allow the operation in up to 4 different languages, following user's choice.

EMERGENCY MODE OPERATION



In the event of a faulty barrier, the access terminals can be switched to "emergency" mode by an operator order from a control station or by a switch inside the terminal. In this mode, the terminals retain all their functionality, identifying and validating customers and counting the passages.

EXIT TIME MARGIN



The exit terminals can admit an additional configuration from the UCA to increase the exit margin (+0, +10, +20 and +30 minutes) in case of congestion.



02.06 > TERMINALS' OPERATION TASKS

The terminals that make up our parking systems can be operated either *on site* or remotely as stated below.

- Configuration, both from the UCA and from the terminals themselves.
 - Test of all the terminal elements, locally.
 - Deletion and modification of the information stored locally in the terminal. For example, setting the time, adjusting the content of the hoppers (in automatic cashiers), deleting alarms, alarm history, black lists, counters, etc.
 - Remote control, including both the possibility of directing specific commands to the terminals from the UCA and displaying their status in real time (see active alarms).
- Change of status, both locally (using a key) and remotely (from the UCA):
 - 1 > Lock and unlock the terminal.
 - 2 > Put the terminal in an “**emergency**” state, which will enable the terminal keep operating, even if the barrier motor is damaged.
 - 3 > Set the terminal to “**turbo mode**”, which will allow faster entries in case of crowding.
 - Local enquiry of the terminal stored information: active alarms, alarm history, accounting status.
 - Action on the elements of the automatic cashiers: reloading, emptying and change of hoppers, boxes withdrawal.

02.07 > PARKING ASSISTANCE AND REMOTE CONTROL

REMOTELY ASSISTED OPERATION

Our parking systems are designed for remote management, that is, without staff physically present in them through the following services:

REMOTE MANAGEMENT

Return of lost or damaged tickets to the user, prior authorization from a manual cashier or remote control station.

SELF-ATTENDED MANAGEMENT

The users themselves can renew their subscriptions or reload time cards at the cashier.

REMOTE CONTROL

The entire parking system can be managed from a remote control station to perform the following tasks depending on the assigned permissions:

- Real-time **control** of the status of all the elements of the parking facility.
- Real-time **monitoring** of all recorded movements
- **Production of statistics and reports** (occupancy stays, collections, etc.)
- **Remote management** by downloading software updates and access to the internal management of any terminal in the system.

02.08 > MAIN TECHNOLOGIES FOR ACCESS / PAYMENT

Our parking control systems are prepared to operate with any current means and recognition support:

QR TECHNOLOGY

Our systems have been designed to use QR code technology on tickets as a user control element in the car park.

The use of QR codes has significant benefits over previous technologies, especially in reducing maintenance and interoperability with external systems.

An optical scanner, which only requires the presentation of the ticket to be read, performs the reading of the QR code; i.e., it is not necessary to motorize the ticket, achieving an important reduction in maintenance.



+ HIGHER RELIABILITY

Standardization. Ticket printing devices are market standard elements, used for many uses, resulting in greater product reliability.

- LESS MAINTENANCE

Simple issuance, which reduces the ticket powering level upon issuing it. Optical reading of the information, without physical contact, which avoids ticket powering and using of magnetic heads.

+ OPTIMIZATION

Ticket issuance printers are fully optimized for this use: paper grade selection, ticket gobbling, jamming system, ticket protection, etc.

+ GREATER VERSATILITY

QR code recognition allows integration with retailers and App's, as well as opening other business possibilities (e.g. promotions and/or sale of other products).

CONTACTLESS TECHNOLOGY

The exit terminals are equipped with different remotely readable identification systems, without physical contact between the support used (ticket, card...) and the cards without short- and long-range RFID contacts.

NFC TECHNOLOGY FOR TICKETLESS CONTROL OF USE

The incorporation of NFC technologies allows the customers using their own Smartphones to identify themselves in the parking lot.

A server that concentrates user authentication, connection to payment gateways, and various associated services complements this system.



02.09 > IMPROVING USER EXPERIENCE

The technology integrated into our systems aims at seeking user satisfaction by avoiding queues for payments, ensuring an easy and intuitive use of the terminals and reducing transit time on the lanes.

NEW USER INTERFACE FOR THE AUTOMATIC CASHIER

The automatic cashier becomes the main element in the user's relationship with the car park.

Therefore, the user interface of this terminal has been designed to become more intuitive, adding different "guide" elements for the operation:



Visual and acoustic indicators.



Intelligent support of photos and video streams to be shown on the screen, which can be changed depending on the operation context.

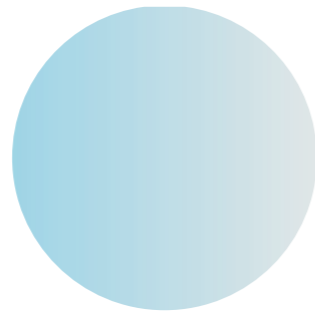


Voice message playback option and user-specific instructions, in multiple languages.

02.10 > BROADER BUSINESS POSSIBILITIES



The modern technology on which our systems are based, allows the use of current marketing elements in the car parks (customer loyalty, use of promotional elements, knowledge of customer habits, etc.) in order to always be able to provide the end user an offer that is very close to their specific needs.



MULTI-FUNCTIONAL CASHIERS

Thanks to their innovative features, the automatic cashiers become a multifunctional element, which expand the business possibilities of the car park:

- **Information and help point.**
- **The customer can use the cashier and any of the system terminals to request help from the car park staff through the intercom.**
- **The automatic cashiers are prepared not only to charge for parking stays, but also to sell and issue other products, either proprietary or from third parties.**
- **28" screen as advertising space to shops.**
- **The large 15.6" TFT screen at the cashier becomes an excellent platform for advertising promotions or other products owned by the car park or third parties.**

INTEGRATION OF THIRD PARTIES PRODUCTS AS PARKING'S OWN

Our systems allow us to fully integrate third party products as our own. For example, discounts (time, amount, discounts in %), rate changes, temporary subscriptions, pricing and external payments, etc.

All of them can be used as an access product to be used in passage terminals or as a discount at the cashiers. In addition, they can be managed through the system's standard tools, including autonomous, centralized management with activation planning.

02.11 > A FULLY SECURED SYSTEM



Safety is a key aspect in the design of the parking control system



The system ensures the security of parking, both in terms of the accessibility and permanence of the information stored by the system, as well as the prevention of fraud and external attacks on machines.

The system provides different security mechanisms in the following areas:

Access security to system terminals

Car park operators must previously identify themselves and, depending on their privileges, obtain full or restricted access to the terminals.

Safety of System databases

- Prevention of information loss due to unexpected causes: detection and filtering (through a UPS) of power outages, storage capacity overflow detection, and storage capacity backup and recovery functions.
- Automatic record in the History of all events that occur in the system.
- Possibility of clustering.
- Servers for SW.
- Servers for DDBB.
- Separate servers in different buildings or cities.
- Copies to local solid-state disks.

Anti-theft protection for automatic cashiers

- Detection of automatic cashier's door break-in and double key safe boxes inside.

Parking venue security

- Possibility of integrating surveillance cameras into the system.
- Possibility of access control through the pedestrian entrance doors.

Electrical safety

- All terminals are equipped with individual electrical protection.
- Every installation of an SPK parking control system is subject to compliance with the Low Voltage Electrotechnical Regulations (LVD). The compliance with these regulations is the responsibility of the installation company and/or the delegate for this purpose.

02.12 > IDENTIFICATION MEANS

Our systems operate with any of the identification means and supports used as ID, access and/or payment credentials in car parks: proximity (contactless), TAG cards, barcodes/Bidi, OCR (license plates) and radio devices.

Every operation is preceded by an attempt, by the client, to be identified in the system. The information that allows such identification may be contained in various means, which we will call "supports", for example:

- Proximity cards
- 1D/2D barcodes
- The vehicle's registration number
- Credit Card

The same client can have different supports and be identified by either of them

When a customer starts his interaction with any equipment of the system (introducing a card, chip or 1D/2D Reader, approaching a proximity card or just arriving with his vehicle so that its license plate can be read), this equipment uses all the information read from the support to identify the customer, validate the operation that he intends to carry out and establish the parameters that should be used in the operation.

There are two ways to identify a customer (obtain their type and card code) from a medium:

- Extracting said information directly from the support.
- Making a query to some storage medium (usually a database) that relates the content of the support to the customer's identification.

It is not always possible to locally identify the customer from the support (for example, in the case of license plates and certain pre-recorded proximity cards).

02.13 > CUSTOMERS' TYPES

Our systems handle the following types of customers:

1 ROTATION

Sporadic parking customer who collects a ticket at the entry. Before leaving, he must pay for the stay at a manual or automatic cashier. This is the most usual type of customer.

2 PRE-BOOKED

Rotation customer who has previously booked a place and prepaid for it. He usually presents a document, at the entry terminal, for identification (for example, a QR code) and takes a ticket. He will only need to pay at a cashier in case of exceeding the prepaid time. Otherwise, he can proceed directly to the exit.

3 SUBSCRIBER

Regular customer who periodically pays the subscription fee, which entitles him to a slot in the car park. It may be limited by time (part-time subscribers: daytime, night, etc.) or not (full-time subscribers). He can be identified by a proximity card or by the vehicle's number plate.

4 WITH TIME VALUE CARD

Customer who has purchased a card for an amount of time. At the entrance, he identifies himself with said card and, at the exit, the time spent in the parking lot is discounted from the balance.

5 WITH HOURLY PERIOD CARD

Regular customer who has free access to the car park, but with a limited number of uses and/or hours, which is periodically renewed. For example: a customer who can use the car park a maximum of 5 times a week and with a limitation of 50 hours per week.

As soon as these limits are exceeded, he must pay as if he were a rotation customer. This is typically used by employees of the company that owns the car park (such as doctors at a hospital).

6 WITH MONEY VALUE CARD

This mode is similar to the hourly client, but in this case, the balance is a monetary amount and the value corresponding to the time parked is deducted at the exit.

7 WITH SHARED BALANCE CARD

Customer using a card that identifies a company that has a balance shared by several cards. It is similar to those of time or monetary value, except that the time or amount is not discounted from the card but from a shared balance. Fleets of buses, trucks, taxis, etc usually use it.

8 WITH TAG-TYPE CREDIT CARD

Sporadic customer who identifies himself at the entrance by means of a medium range TAG and does not need to withdraw the ticket.

This TAG is associated with a credit card, so that when the customer identifies himself at the exit, the card is charged for the amount corresponding to the stay made.

02.14 > ACCEPTED COLLECTION MODES

Our systems accept the following collection modes:

AUTOMATIC



Rotation ticket collections, carried out without any incidence after the automatic reading of the ticket in a validating terminal, be it an automatic cashier, an exit validator or a desktop validator. This is the most common case.

MANUAL



Rotation ticket collections, after manual introduction of each ticket code in the system, due to problems in reading the information to perform the charge.

MANUAL BY DATE



Rotation ticket collections after manually entering the system with the entry date and time to the car park premises, due to misreading and/or printing problems, or for tickets manually handed in at the entrance.

MANUAL AMOUNT



Collection of rotation tickets after manually entering into the system the rate/amount to be charged for each ticket. This case usually coincides with free tickets.

LOST



Manual collection of a parking stay in case of physical loss of the rotation ticket that is issued at the premises' entry.

BANK CREDIT CARDS

The **LINCE 7.0** system is ready to operate with any bank credit card and different formats or origins: standard magnetic stripe cards, EMV format cards, etc.

The following table shows each of these types in detail:

- Magnetic Credit/Debit Credit Cards (Visa, Master-Card, American Express, 6000, 4B, etc.) or traditional debit (Visa Electron, Maestro, etc.).
- E-wallet or prepaid
- Chip Bank cards with performing as electronic wallet. For example, Visa Cash, Moneo or Proton.
- Proximity
- Contactless chip
- Contactless cards (NFC).

CARDS AND BALANCE OR DISCOUNT VOUCHERS

Our systems allow the issuance, management and collection of the following balance cards and/ or discount specific to each car park for promotional or user loyalty purposes.

02.15 > ACCEPTED PAYMENT MEANS

Our systems accept the following payment means:

Cash

Collection in cash, notes and/or coins.

Money value

Payment made by a multipurpose card, previously issued by the car park and loaded with a prepaid monetary value balance.

Time value

Payment made by a multipurpose card, previously issued by the car park and loaded with a prepaid time value amount.

Bonus

Payment made using a discount card previously issued or recognized by the car park.

Discount

Payment made by means of a card that allows different % of discount to be applied regarding the amount payable for each stay.

Chip and pin terminal

Payment made with a credit and/or debit card through a POS (Point of Sale) terminal and assigned to that means of payment, for cases where this device would not be integrated with the software.

Manual vouchers

Payment made by means of a manual discount in fractions (hours) applied directly by the car park operator regarding the amount payable for a stay.

Manual discount

Payment made by means of a manual discount applied directly by the car park operator regarding the amount payable for a stay.

EMV credit card

Payment made by credit card at an attended (connected to a manual cashier) or unattended (connected to an automatic cashier) EMV terminal.

On-line credit cards

Payment made by credit card validated on-line by connecting to a payment gateway.

Credit card off-line

Payment by credit card validated off-line by the car park control unit, which periodically receives the list of BIN codes to be accepted and the black list of cards to be rejected.

Internal credit card

Off-line payment with the car park's own credit card (not a bank card).

Credit Card TAG

Payment made at the exit by the customer holding a credit card of the TAG type.

External medium

Payment that has already been made in an external system. For example: the pre-payment of a reservation.

Other

Other unspecified payment means, configurable by the customer. Any type of means can be associated to different types of support and for each of them its format can be configured and, therefore, in what position are the fields necessary for its validation and control. It is possible to parameterize formats that include all the information necessary for validation and offline updating.



Time voucher

Card loaded with a balance in number of prepaid parking hours, discountable upon stay payment.



Monetary voucher

Card loaded with a prepaid monetary value balance, discountable upon stay payment.



Discount Card

Card that allows different discount % to be applied, regarding the amount payable for each stay.



Bonus Card

Card with variable discounts and promotions to reward the loyalty of regular users of the car park.



Time value

Card loaded with a balance in number of prepaid parking hours, which is directly updated at the parking passage terminals.



Monetary Value

Card loaded with a prepaid monetary value balance, which is directly updated at the parking passage terminals.



Cards with a time and monetary value can have two different types of operation, depending on their configuration:

- Those that perform as an access and payment means. These are the ones mentioned in the Customers section. The customer uses the card to enter and, upon exiting, the time or amount corresponding to the stay is discounted.
- Those that are only valid as a payment means. The customer collects a ticket on entering the car park. At the cashier he pays for the stay using the balance on the card. Finally, he leaves with the ticket.

03 >> LINC 7 CONTROL & MANAGEMENT SOFTWARE



“ LINC 7 is the new and most powerful version of the management and control software of our parking systems ”

LINC 7 integrates all the products and services of the car park to provide users with the best parking experience and our customers the best performance from their business.

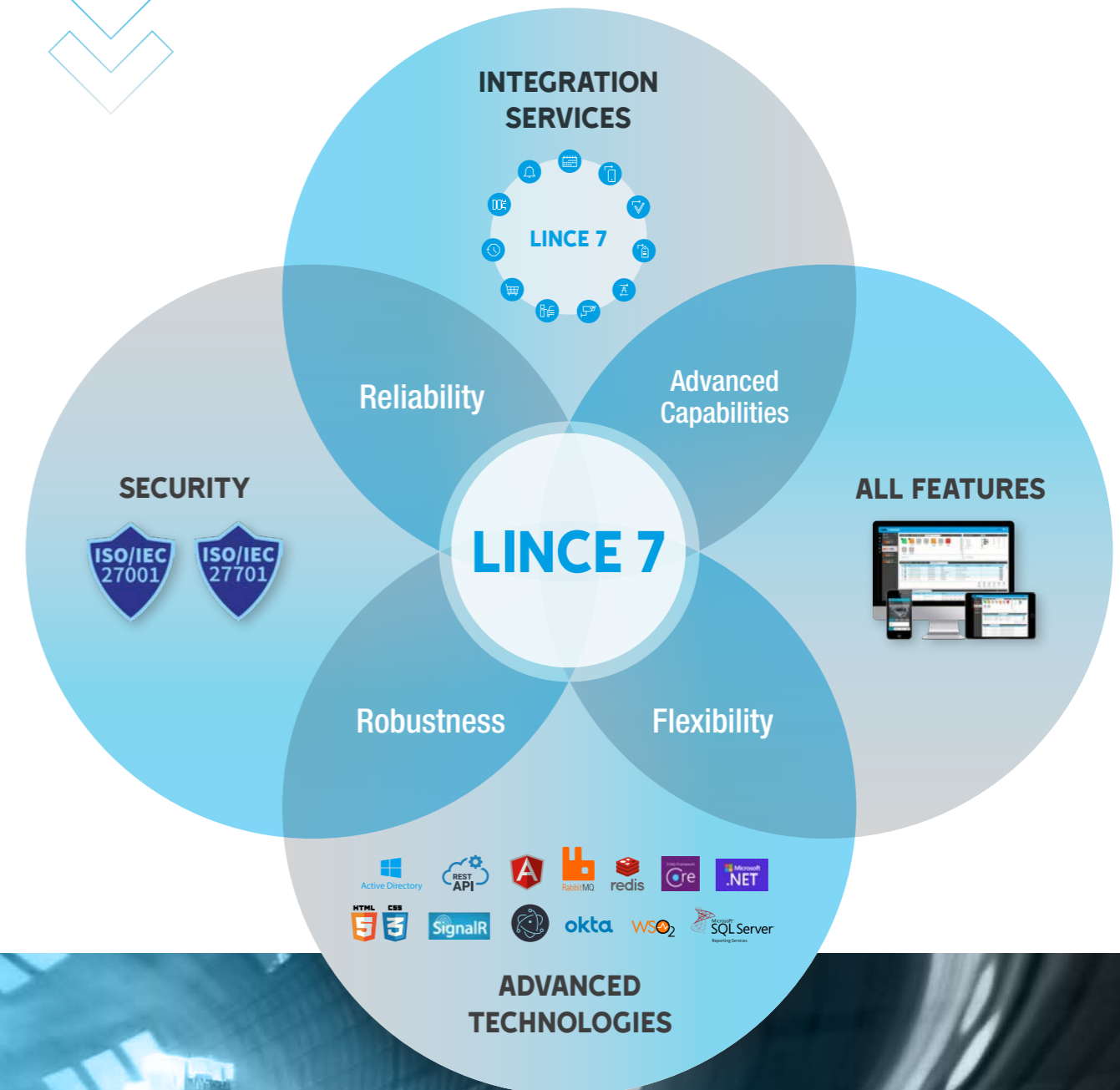
Our priority is to provide solutions to our customers' current needs, while anticipating their future needs.

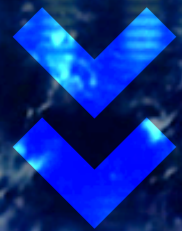
The new LINC 7 user interface is designed with a special focus on usability in order to offer a simple and intuitive management interface.

It is user-friendly, with an improved and responsive design, so that it can be used on PC, tablet or smartphone.

LINC software constantly incorporates new features and functionalities in order to adapt to the evolution and market needs.

OUR CORNERSTONE





LINCE 7

REAL MULTI-PARKING SYSTEM

03.01 > GENERAL FEATURES



- ✓ **High flexibility and reliability.**
Provides solutions to our customers' needs
- ✓ **Easy and intuitive interface,** with improved design and **user-friendly**
- ✓ **Responsive design**
(PC, tablet or smartphone)
- ✓ Connection from anywhere.
No need for SW installation.
Only a **connection to a web browser** is required: Safari, Chrome, Firefox, Edge...
- ✓ Highly **customisable** to display the most relevant information **for each user profile**
- ✓ **Advanced functionalities** for high-demand operations
- ✓ **Expanded system capabilities:** integration with third-party products and services
- ✓ **Multi-parking:** one or several car parks monitoring, on one single-screen in real time
- ✓ **Access from any operating system:** Microsoft Windows®, Linux, macOS, iOS, Android, ...
- ✓ **Multi language:**
The user can choose the language of his web interface, including RTL and LTR languages

LINCE 7

“ Thanks to our powerful R&D department, Lince software constantly incorporates new features and innovative technologies that have emerged in a world in permanent evolution, increasingly global, integrated and intelligent ”



DIGITAL NATIVE TECHNOLOGY

RESPONSIVE DESIGN

Automatic adaptation to any type of device



WEB BROWSER

Access to parking systems from any browser, anywhere in the world

REAL TIME MANAGEMENT

Monitoring, control and maintenance of the car parks in real time

USER PROFILES

Different profiles based on roles:

- Owner
- Accounting
- Maintenance

AUDITS AND REMOTE UPDATES

Audits the parking systems and remotely updates the different terminals

ADDED VALUE SERVICES

Easy integration of third party services such as promotions, discounts, reservations, etc.

WEB REPORTS

Wide range of reports for all car parks, fully configurable and customisable

Based on the state-of-the-art technologies



Security through HTTPS, MSSQL, ADFS and rock solid technologies. Data always safe

Architecture based on Microservices for a centralised and consolidated information management



Quick response in off-line mode even with low performance connection



Native Web Applications with responsive interface





REAL MULTI-PARKING SYSTEM

LINCE 7 provides a wide range of functionalities that enable the centralised management of your group of car parks, so that you can manage them remotely, from a central control point.

LINCE 7 enables remote assistance to users in a comfortable and straightforward way, as well as the possibility of responding quickly to any situation that may require an operator intervention, such as the verification of unrecognised number plates, ensuring the optimal operation of all kind of car parks, including the ticketless or free-flow ones.



One or multiple car parks in one single view and real-time centralized control



Centralized and consolidated information for all car parks



Centralized management of customers and payment methods



Centralized management of multi-parking products (valid for more than one car park and with behaviours that may be different for each car park)



Centralized and consolidated reports for all car parks

03.02 > WEB APPLICATIONS

FOR FULLY INTEGRATED PARKING MANAGEMENT



LINCE 7 is thus the heart of the system that integrates all the products and services of the car park to provide users with the best parking experience and our customers the best performance from their business



MONITORING & CONTROL



USERS ADMINISTRATION



REPORTS



CUSTOMERS & PRODUCTS MANAGEMENT



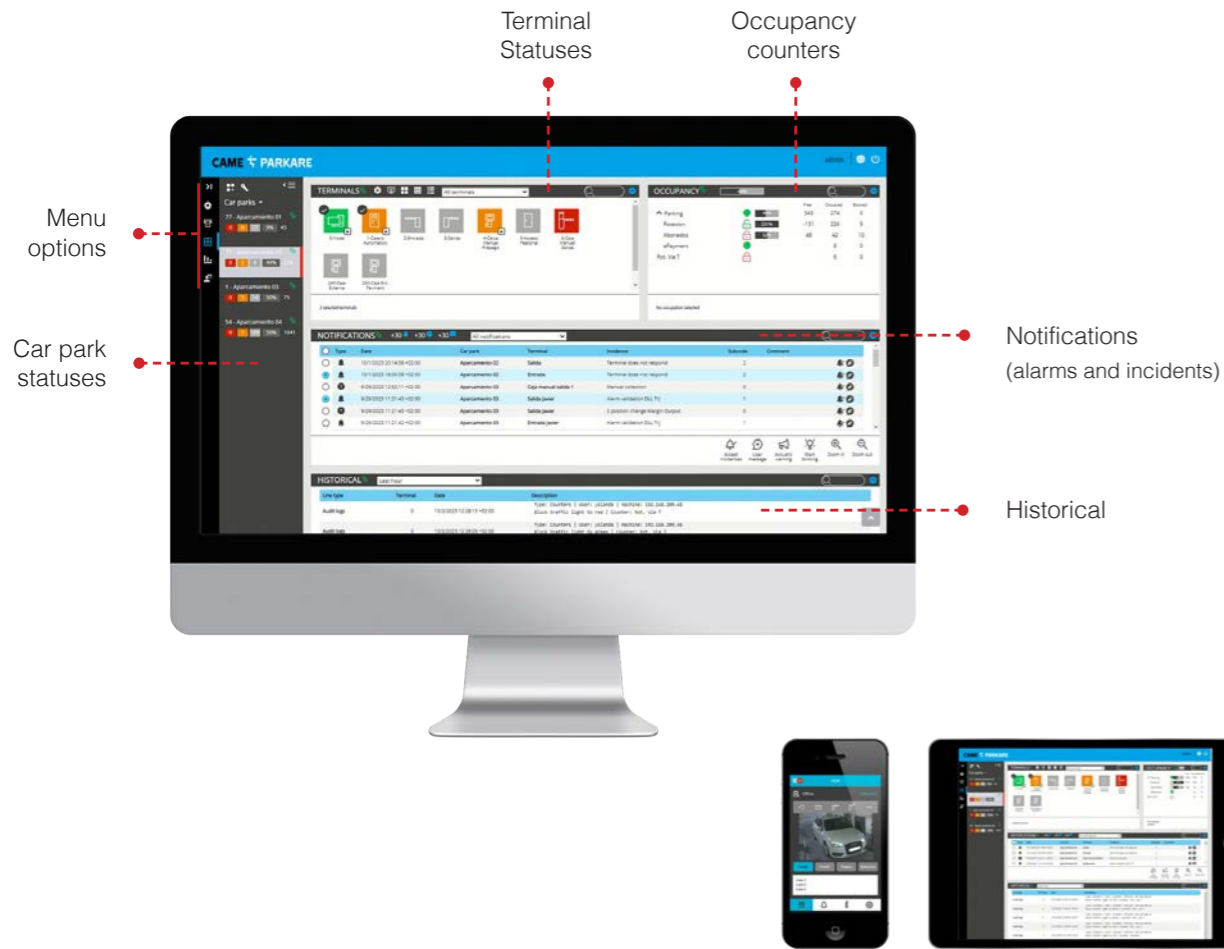
INVOICES & RECEIPTS





MONITORING & CONTROL

From the Control application the system allows to centrally control and monitor the status of the car parks and their terminals; the occupancy by means of the relevant counters and the corresponding notifications of alarms, exceptions and user messages that occur in the group of car parks.



All Operator Workstations using the **MONITORING AND CONTROL** Application are synchronised in such a way that any operation executed in one of them is reflected in the rest. It offers extensive search possibilities and filters for ease of use.

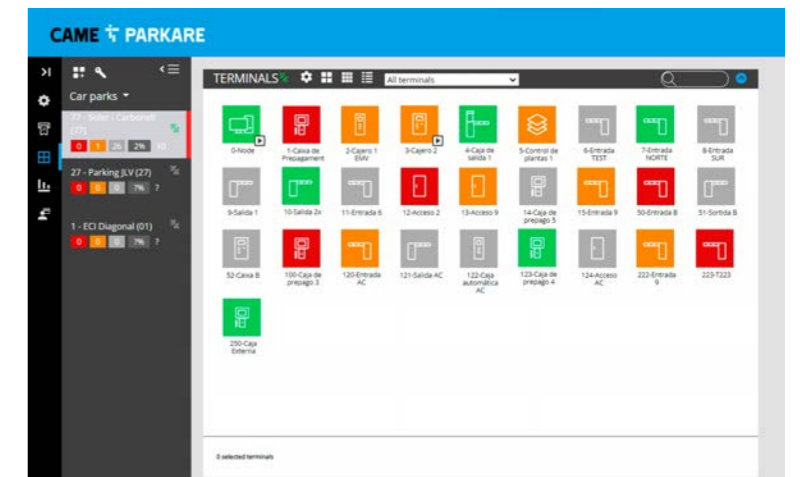
To simplify the management of large car parks with different zones or enclosures, terminals can be grouped from the terminal panel, according to the user's needs.

FEATURES

- Remote control of all car parks from any device and location.
- Fully configurable panels: customisable position and size of the panels.
- Monitoring of the status of all car parks, at multiple level drill down: overview from car parks to terminals up to any single device status.
- Synchronisation on all devices, in real time.

TERMINALS

- Monitoring of the status and control of each terminal.
- Visualisation of the status of the terminal in real time and of the associated cameras, during use, without interfering with its operation.
- Monitoring and control of the active alarms of each terminal.
- Possibility of acting on the different elements of the terminal by means of remote actions.



OCCUPANCY



- Display of all the zones defined in the car parks.
- Display of occupied / free spaces, in real time.
- Display of the traffic light status (free/full) of the car parks.

NOTIFICATIONS



- Monitoring and control of notifications from a single or multiple car parks: alarms, exceptions and user messages.

HISTORICAL



- Display of all operations / events log, occurring in the car park.



USERS ADMINISTRATION



LINC 7 allows the users management by assigning different categories and roles to each one of them, following a logical and hierarchical order.

- Each user is provided with an access credential to the system with an associated category and the permissions linked to their role.
- Users with the widest range of permissions (administration) are able to create new roles, categories and users, as well as define the groupings and assignments between them.



REPORTS



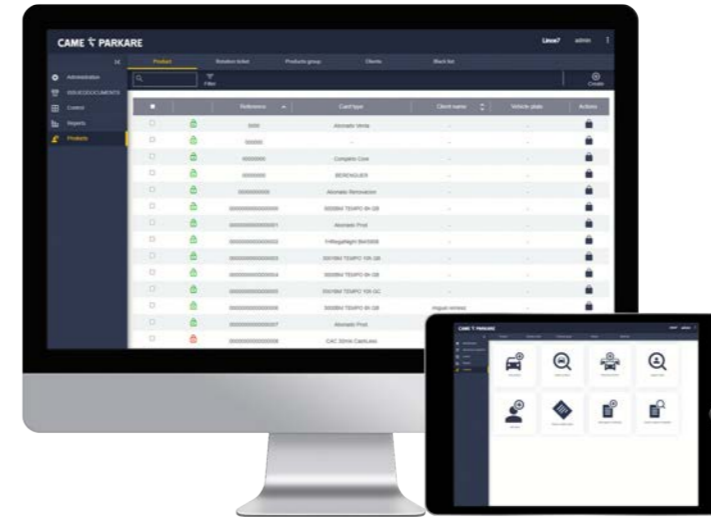
LINC 7 provides a wide range of fully customisable and configurable reports, with multiple filters and with export to the all main standard formats. Each report is designed to enable customers to optimise the management of their parking systems.

- Multiple filters
- Export to all main standard formats
- Ready to use with a single click
- Designed to optimise parking management
- Reports on parking stay and use of the car park.
- Pool group reports
- Deferred payment reports
- Comparative analysis by days, weeks, months...
- Full stay reports
- Statistical reports:
 - Collections
 - Means of payment
 - Invoices and receipts
 - Sales
 - Wallet products
 - Alarms, etc.

Based on all the information stored, LINC 7 can generate different types of reports with the aim of providing the necessary data to know any aspect related to the management of the car park and to support decision-making.



CUSTOMERS & PRODUCTS MANAGEMENT



LINC 7 allows a detailed and centralised management of all customers and products in the car parks.

- Centralised management of multi-parking products
- Wide variety of products: rotation tickets, subscribers, time value products, monetary value, hourly periods, discounts, balances, TAG...
- Product registration, modification, consultation and deletion
- Management of the behaviour associated with each of the products
- Registration, modification, search and deletion of clients and products associated with each of them
- Management of the blacklist
- Different filters and search options for rotation tickets.



INVOICES & RECEIPTS



LINC 7 allows centralized management and viewing of Invoices / Receipts

- List of all invoices /receipts for each car park
- Extensive search options and filters
- Detailed view of each invoice /receipt
- Invoices / receipts displayed in the same format as the delivered ones
- Invoice counters: shows last number of each invoice series
- Allows to change the last invoice number (according to configuration)

03.03 > INSTALLATION MODALITIES

“ **LINCE 7** is presented in 2 installation modes (Local or Cloud) in order to better adapt to the specific needs of each client ”

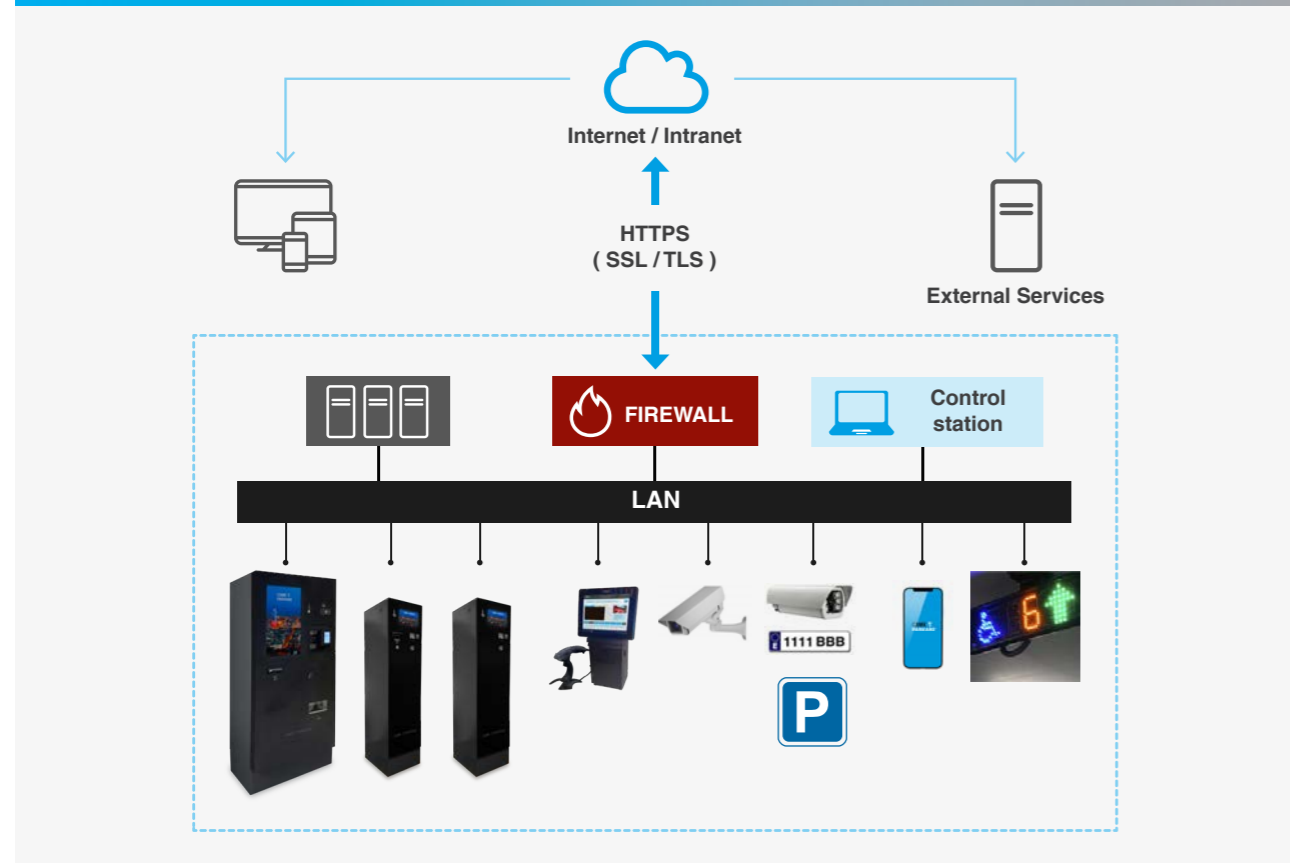
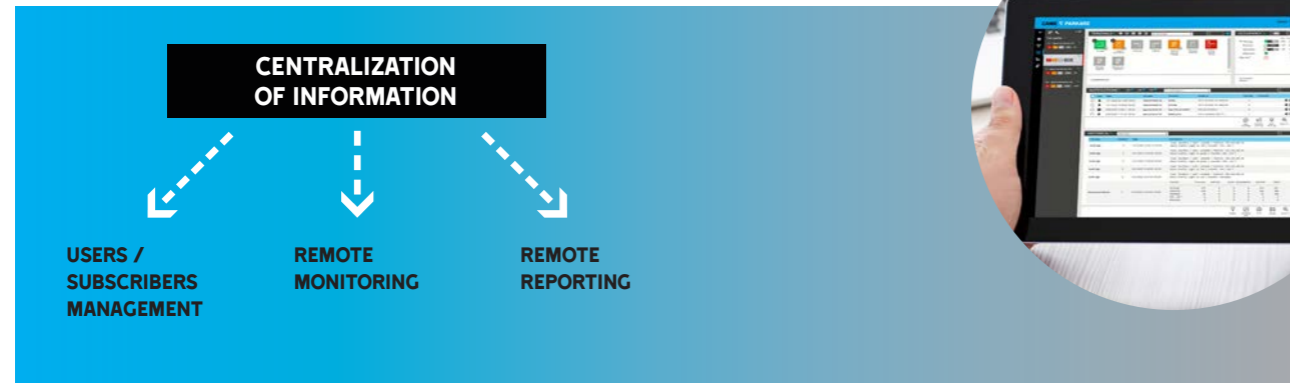
LOCAL

Traditional installation through a local server and enjoy all the management and control advantages we offer.

CLOUD

Cloud installation mode with all the extra advantages it brings, either in the client's Cloud or in CAME Parkare's specialized data center.

A local server (UCA) is maintained with the basic data to ensure continuity of service in case of disconnection.



03.04 > PARKARE CLOUD PARKARE DATA MAINTENANCE SERVICE



We complement our value-added services with a **Cloud hosting service** that allows us to delegate or outsource the security and maintenance of parking system data and applications

- 1 Copy of all parking data
- 2 Data center with replicated services for redundancy to ensure data security
- 3 24x7 security measures to guarantee the system operation
- 4 Updates to the latest version of the LINCE 7 software



BENEFITS

NO MORE INVESTMENT IN SERVERS

We offer high availability in dedicated data centers

SERVICE CONTINUITY

Prepared for cluster and geocluster operation

SUPPORTS AUTOMATIC SCALABILITY

Increased power in the moments of higher demand (automatic vertical scalability)

Increase in online servers at times of peak demand (automatic horizontal scalability)

FULL SERVICE AND SUPPORT

All maintenance and updating operations of the Cloud servers are carried out by **CAME PARKARE**, technicians, without interrupting the operation of the parking system

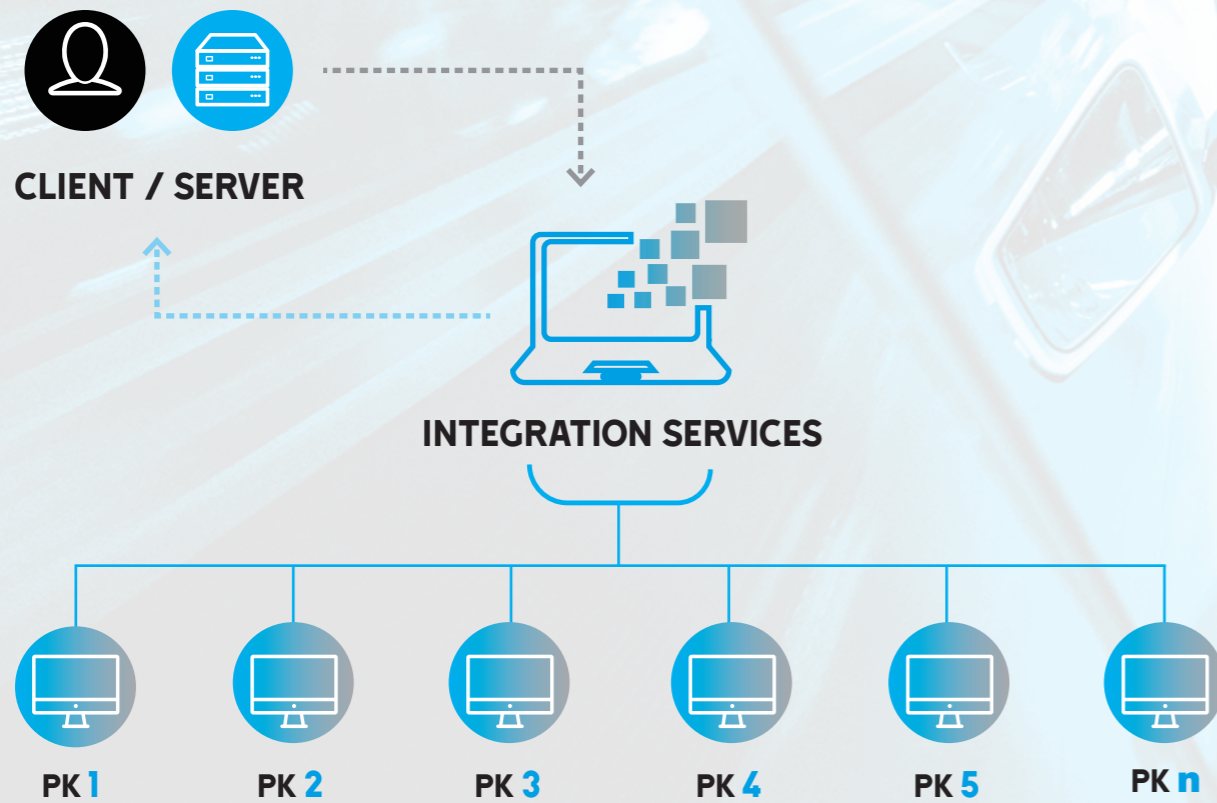
03.05 > VALUE-ADDED SOFTWARE SERVICES



EASY INTEGRATION WITH EXTERNAL SERVICES

Thanks to our **LINCE 7** integration services, our customers can easily access products and/or services offered by third parties.

Our integration services are applications that allow an external system (integrator) to access certain functionalities of our LINCE system so that car park operators and/or users can benefit from products or services offered by third parties. The integration is done by means of an Integration Protocol (API) through Web Services.



PK - car park



Notifications



Pre-booking



External payment



Counters



External validation

LINCE 7

MANAGEMENT AND CONTROL SOFTWARE OF PARKING SYSTEMS



Historical



External pricing



Products



Check in
Check out



Terminals



Cameras

THE BUSINESS MODEL OF THE CAR PARK IS EXCLUSIVELY DETERMINED BY THE OPERATOR WITHOUT ANY INTERVENTION FROM THE SYSTEM PROVIDER

Whatever you choose for your business, expand it by adding new features, change it to suit demand, etc.

EASY INTEGRATION

The services have been designed to simplify the integration process. They are accessible from all programming languages and operating systems, as well as using the most widely used Internet standards today, making them compatible with almost all third-party products and services on the market.

DATA ALWAYS SAFE

Secure Hypertext Transfer Protocol (HTTPS).



CHOOSE THE **INTEGRATION SERVICES** YOU NEED OR COMBINE THEM TO MAKE THE MOST OF THEM

External validation

Send two types of validations:

a) **Passage:** allow / deny entry / exit of a user in a parking lot.

b) **Payment:** confirm or not the payment of a stay. In this case, the price can also be set by the external system.

Check in /Check out

Identify a vehicle and control its access (entry / exit) independently from the Lince software, thanks to a device or support (external) which connects to the external server that validates the action.

External payment

Manage parking products and their payments.

External pricing

Calculate the payable amounts (fees) based on the information provided by the user.

Pre-booking

Register parking space bookings in advance. It is also possible checking the status of such bookings or even cancel them.

Products

Control the handling of any product from the car park (modify, delete, add and consult the status - CRUD [(create, read, update, delete)]).

Counters

Receive information and control in real time the occupancy level of all car parks in the system.

Historical

Get the list of all actions (operations, events, alarms, etc.) which have occurred in the parking area and which have been so far recorded.

Notifications

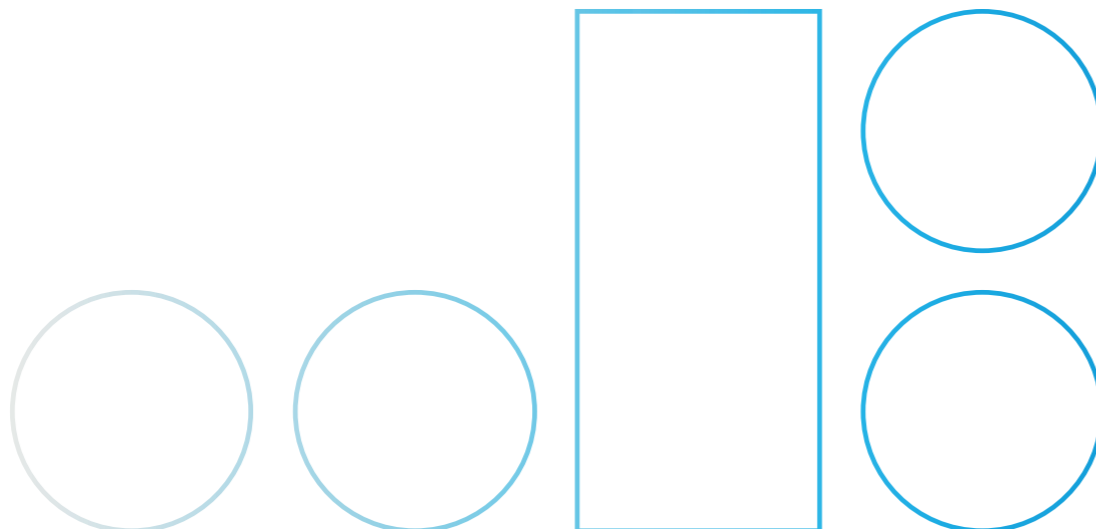
Receive notifications from the parking system (alarms, exceptions and user messages).

Terminals

Receive information and control the car park terminals in real time.

Cameras

Connect in real time with the cameras in the car park terminals.



03.06 > SECURITY STANDARDS



WE PROTECT DATA WITH THE BEST TECHNOLOGY



- User authentication against an IDP server with SAML 2.0 security standard and SSO authentication procedure. User credentials are not stored in Lince but remain under the security standards of the IDP used.
- HTTPS system with encryption based on SSL/TLS security. Sensitive information cannot be used by an attacker.
- HTTPS protocol for data encryption during communications and certification of authenticity of the website that users connect to.
- State-of-the-art programming frameworks and environments to guarantee security in the integration of external systems.
- Public key certificate both in LINCÉ servers and in the IDP server.
- Secure communication channels (VPN) between systems to protect and encrypt the data sent between them.
- State-of-the-art firewalls
- Data storage on a Microsoft SQL Server with its own security standards.
- All communications between microservices are carried out using the RabbitMQ messaging broker and its own security standards.

04 >> THE COMPANY



MANY CULTURES, ONE DESTINY

Thanks to our brands, we propose ourselves as a **global technological partner** capable of supporting the **integration of systems**.

CAME, THE GLOBAL PARTNER.

FOREVER INNOVATORS

In almost 70 years of passion, of investing in new technologies, we at CAME Group, thanks to the trust conferred to us by our customers, have become a **go-to brand** and a **global partner for integrated solutions engineered for automating, controlling and securing residential, public and urban spaces, resulting in intelligent and healthy living and working spaces for people.**

We have built quality relationships with many professional installers, that carry forward CAME's values, bringing innovation into the lives of our customers around the world. Our evolution translates into solutions on behalf people. Our technology becomes strategic for defining scenarios of a new way of thinking about and living in the future.

THE GROUP CAME

ALWAYS ONE-STEP-AHEAD

We are a leading brand in the design of integrated solutions for the automation, control and security of residential, public and urban settings, which generate intelligent spaces for people's well-being. Our continuous growth is also due to the acquisition of new companies that have allowed us to implement the extension of our product lines and the scale of the possibilities offered.

The Group's solutions range from entrance automations to video entry systems, from temperature control systems to home automation, from awnings and rolling shutters automations to sectional garage doors and industrial doors. We also offer solutions for the management of automatic parking facilities, turnstiles for pedestrian access control and road barriers, automatic bollards and road blockers for vehicular access control and high security. Today we have a unique and distinctive corporate vision that makes our company an innovative and reliable technology partner.



CAME  BPT

CAME  PARKARE

CAME  URBACO

CAME  GO

CAME  BTECH

CAME  ÖZAK

CAME  KMS

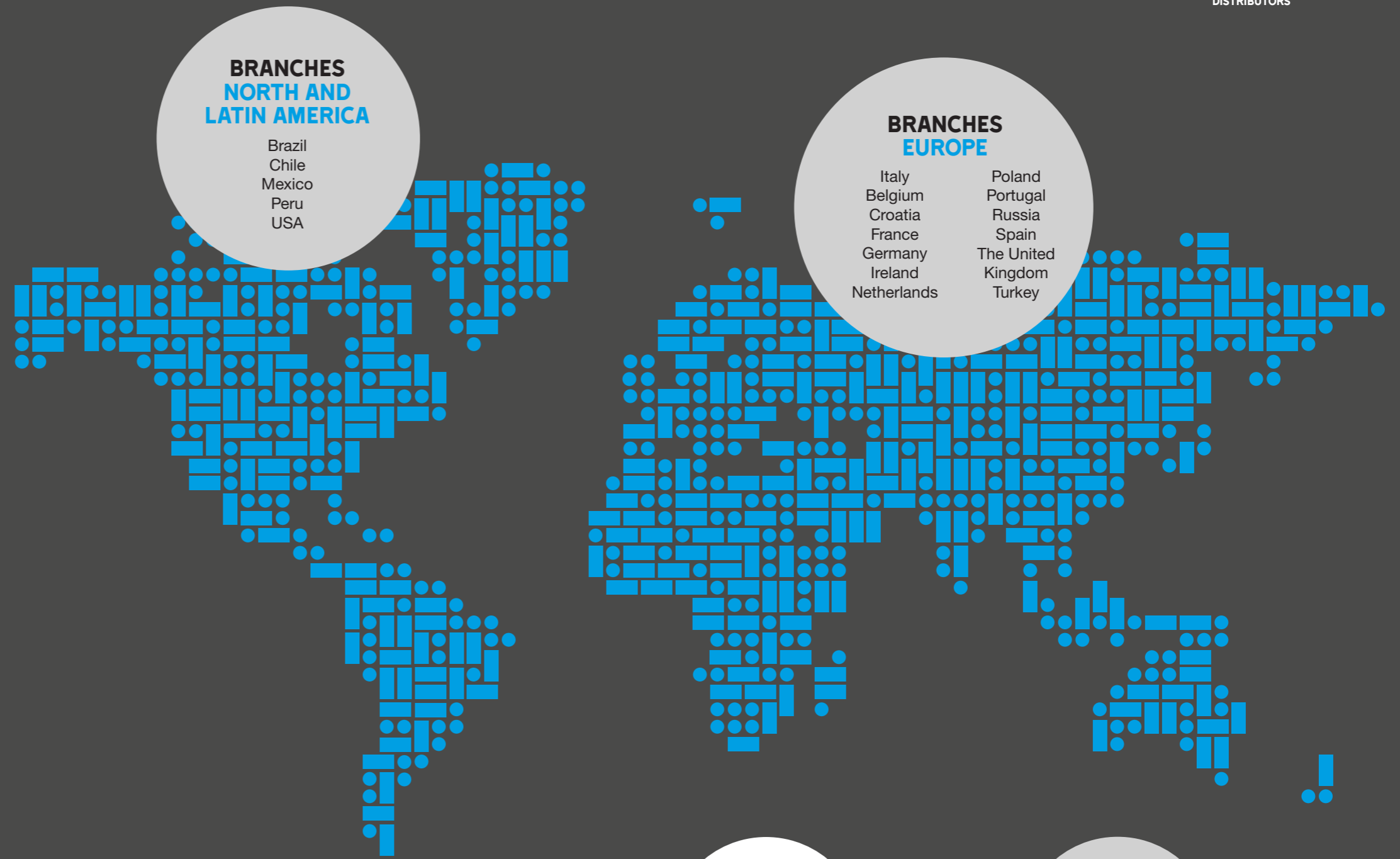
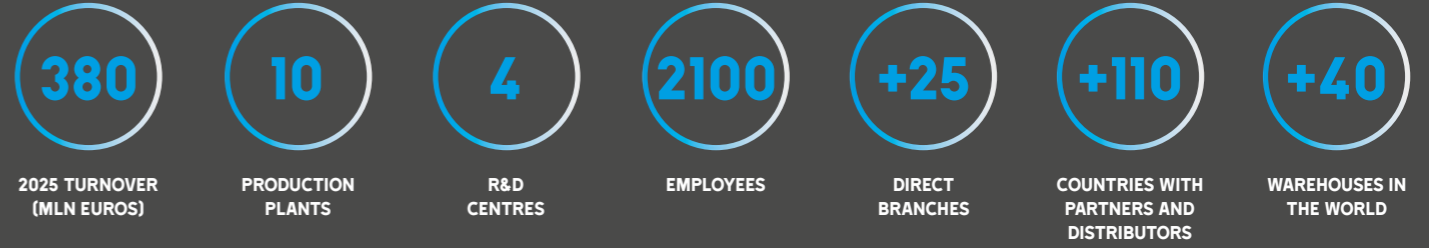
CAME  NEPOS

OUR WORLDWIDE NETWORK

CAME is a technological partner for those projects that require integrated systems for improving the quality of our living spaces, whether private or public, with products designed for controlling the home, managing urban and business environments.

We are a worldwide network. From our Treviso Headquarters, the heart of the Group, we coordinate **10 manufacturing plants** and **4 R&D centers**. We have **25 subsidiaries** and more than **40 warehouses worldwide**. Thanks to our commercial partners and distributors, **we operate in more than 110 countries** with an integrated and global vision.

Our Group shares common goals, which go beyond single specializations. Thanks to the synergies among all our divisions and brands, we share an *operating approach* that enriches our diversity.



BRANCHES NORTH AND LATIN AMERICA

- Brazil
- Chile
- Mexico
- Peru
- USA

BRANCHES EUROPE

- Italy
- Belgium
- Croatia
- France
- Germany
- Ireland
- Netherlands
- Poland
- Portugal
- Russia
- Spain
- The United Kingdom
- Turkey

CAME HEADQUARTERS

Treviso, Italy

BRANCHES ASIA

United Arab Emirates
China

- CAME
- CAME URBACO
- CAME PARKARE
- CAME ÖZAK
- CAME KMS
- CAME NEPOS
- CAME ENTROTEC



A NEW WAY OF THINKING, A NEW WAY OF DOING

Nowadays mobility ecosystem requires increasingly integrated, smart and sustainable solutions. Providing the best Parking Experience is key.

Our innovations, in the form of solutions for parking operators, become strategic for defining and planning scenarios that will transform the future of the industry. Furthermore, we believe in a world where sustainable technological innovation makes people's lives more comfortable, simple, and secure.

We propose ourselves as the perfect technologic partner thanks to our software solutions which are highly customizable and can be easily integrated with 3rd parties.

We are backed by more than 40 years of experience and are recognised in the market thanks to the high level of customisation of our solutions, with the aim of adapting to our customers' specific needs. We offer high quality technological solutions and products for car parks of all sizes and with all the guarantees of reliability and security.

As part of the CAME Group we have capitalised on our experience and built quality relationships with many professionals who have become ambassadors of CAME's values, bringing cutting-edge technology to our customers around the world.

DATA & FIGURES

• **6.000 +**
CAR PARKS
IN THE WORLD

• **35 +**
COUNTRIES -
INTERNATIONAL PRESENCE

• **68.000 +**
PARKING SPACES WITH
VEHICLE GUIDANCE SYSTEM

• **174**
EMPLOYEES

• **400 +**
PROJECTS
IN 2025

• **+ 40**
YEARS OF
EXPERIENCE

VISION

MISSION

VISION

We are committed to create more liveable cities for future generations' needs providing innovative technological solutions for a better sustainable mobility.

MISSION

We are on a mission to anticipate the impact of the mega trends that are shaping the parking industry and to surprise our customers by offering them solutions that are at the cutting edge of innovation.

We are on their side to build together a more sustainable mobility by protecting their long-term investments.

OUR VALUE PROPOSITION

Our value proposition consists in offering our long experience and knowledge in the field of urban mobility, putting our human capital at our customer disposal for the development of complete software solutions or specific integrable parts

OUR VALUE-ADDED

We develop integrated, intelligent and sustainable solutions fully adapted to the new mobility ecosystem focused on the best User Experience.

SHARED VALUES



WORK AS A TEAM



We share genuine passion and perseverance

START WITH THE CUSTOMER



We set the customers as our first priority

PURSUE INNOVATION



We foster curiosity and explore new ideas

ACHIEVE GREAT RESULTS



We always aim for new challenging goals

DO THE RIGHT THING



We think that integrity brings trust and reliability



A CUSTOMER CENTRIC VISION

OUR EVOLUTION FROM TECHNICAL SERVICE TO CUSTOMER SERVICE

Our Customer Service department has become a fundamental pillar in ensuring the satisfaction and loyalty of our clients. This team not only resolves doubts and issues but also focuses on creating memorable experiences that strengthen the trust and loyalty towards our brand.

1 PERSONALIZED AND EMPATHETIC CARE

Each interaction with our customers is treated with the utmost attention and empathy. Our team is trained to actively listen and understand the specific needs of each customer, offering tailored solutions that exceed their expectations.

2 IN-DEPTH PRODUCT KNOWLEDGE

Our technicians have an in-depth knowledge of our products and services, enabling them to respond efficiently and accurately to any inquiry. This expertise ensures that customers receive clear and helpful information at all times.

3 EFFECTIVE PROBLEM SOLVING

The ability to solve problems quickly and effectively is one of our greatest strengths. We use advanced tools and optimized processes to ensure that each issue is handled promptly, minimizing any inconvenience for the customer.

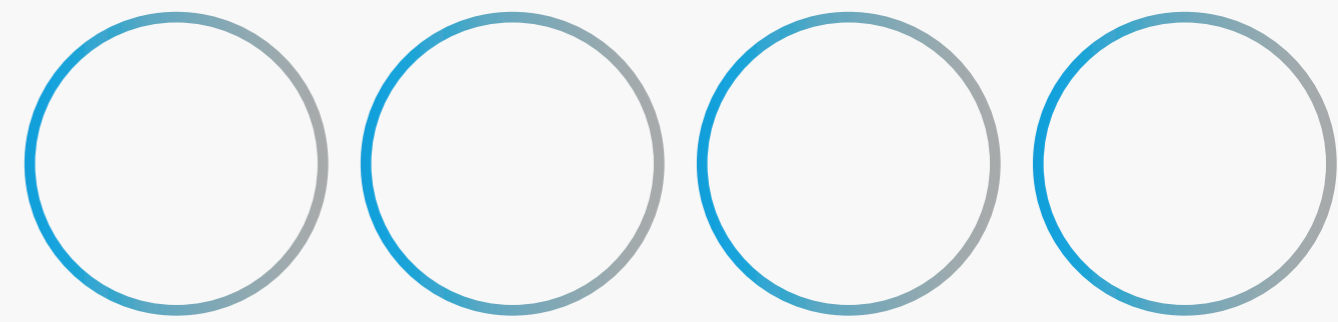
4 INNOVATION AND CONTINUOUS IMPROVEMENT

We strive to stay at the forefront of customer service technologies and methodologies. Our department is constantly evolving, implementing improvements based on customer feedback and industry best practices.

5 COMMITMENT TO EXCELLENCE

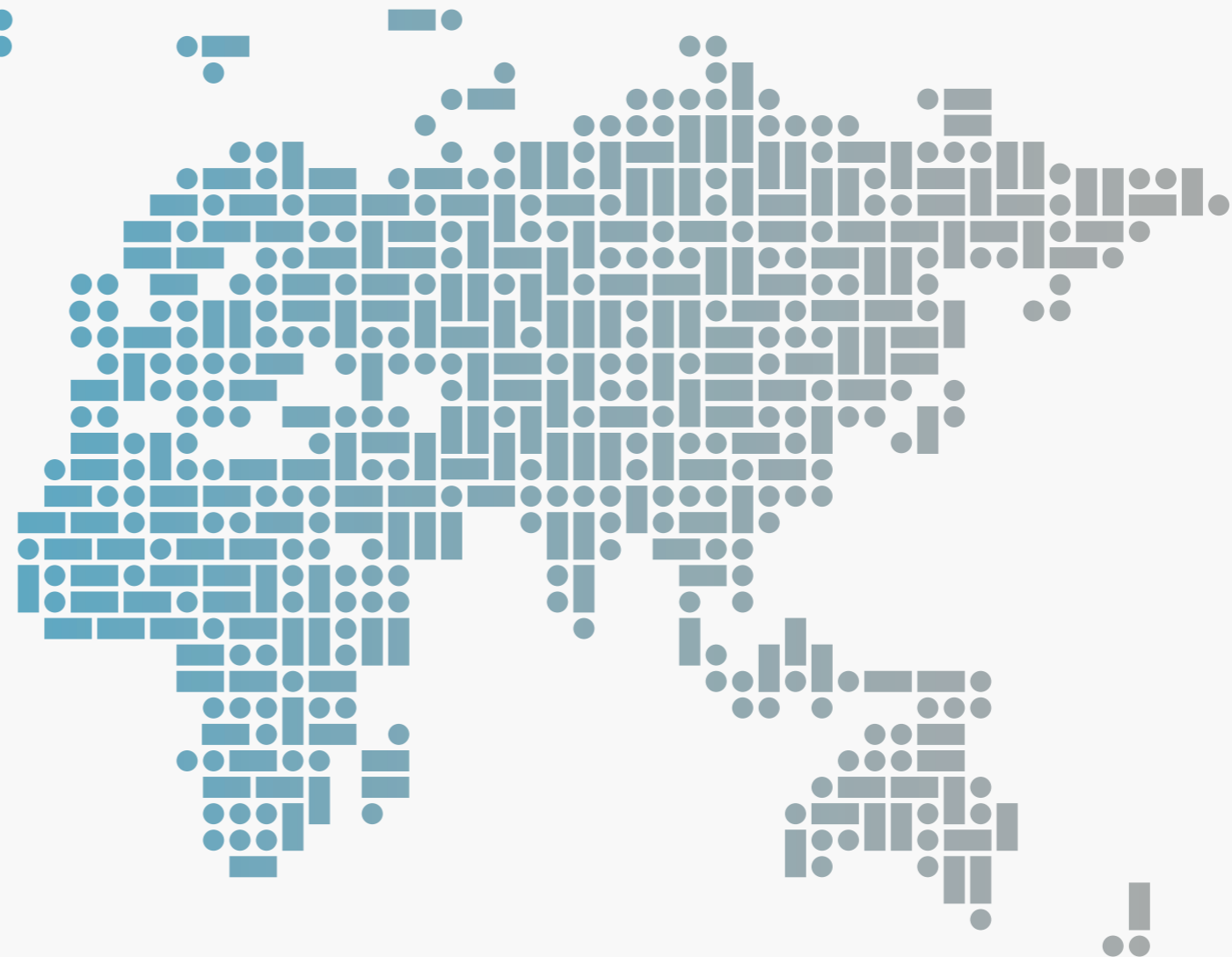
Commitment to excellence is the driving force behind our Customer Service team. Each team member is dedicated to providing high-quality service, ensuring that every customer feels valued and satisfied with their experience.

OUR BACKGROUND



- Over 5,000 installations worldwide
- More than 40 years of experience in the industry (know-how)
- Over 2 million in annual R&D investment
- Multidisciplinary team: software engineers (front-end, back-end, telecommunications, firmware, mechanical, electronics)
- Historical interaction with multiple ecosystem partners worldwide

- A long history of developing customized solutions and applications
- Work in collaborative environments
- Customized software solutions, easy integration with third parties
- Cost and time efficiency in development
- We know the business drivers



CAME 
PARKARE

CAMEPARKARE.COM

PKX PARKING CONTROL SYSTEM PRODUCT PRESENTATION

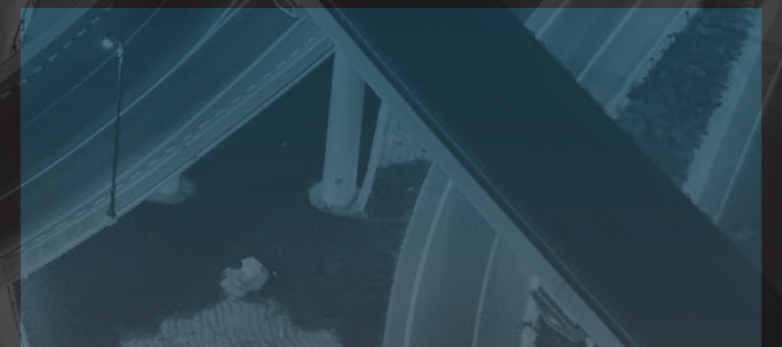
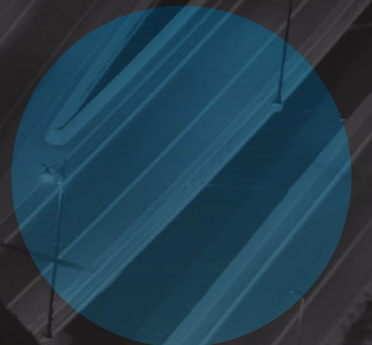
4th Edition: April 2026

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**MOBILITY
PARKING
SOLUTIONS**



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