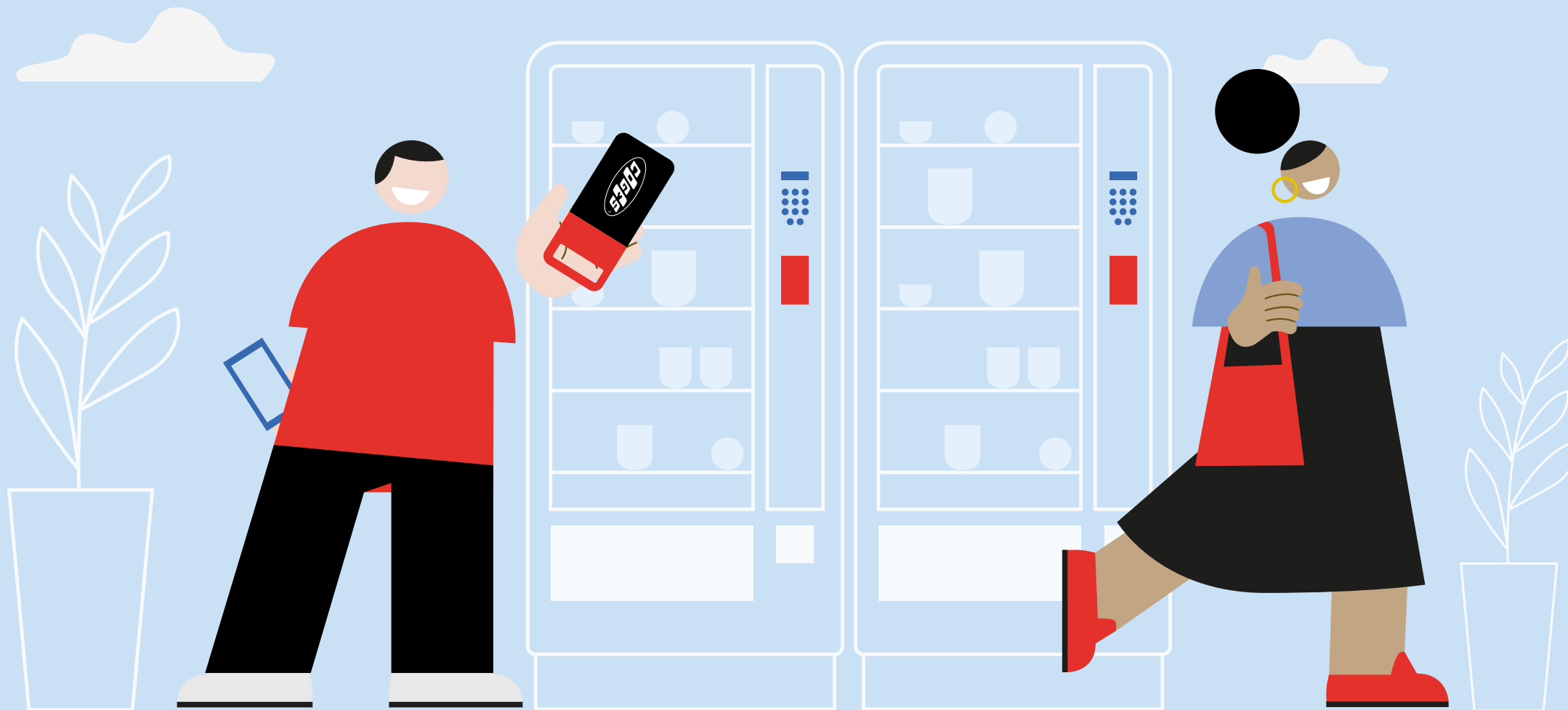


# CONNECTED SOLUTIONS CATALOGUE



# COGES AS A COMPANY

## MILESTONES

In 1987 Coges revolutionized vending with a cashless key that was easy to recharge using bills and could be used with any vending machine.

In 2005 Coges became part of the Azkoyen Group, and in the following years the first branch offices were opened in France, Spain and Brazil.

1970's

Coges started business in 1977 by producing electromechanical coin mechanisms for vending machines.

1980's

Coges presents a new cashless key without the need for electrical contacts. The company also starts to produce bill validators and change-giver coin mechanisms.

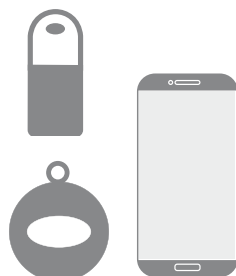
1990's

2000's

Coges extends its business to the design of software tools for cashless payment and remote connection of vending machines.

2010's

## LINEE PRODOTTO



### CASHLESS PAYMENT SYSTEMS

Electronic payment systems to grant purchasing from vending machines using keys, cards, tags and other cashless media.



### CHANGE-GIVER COIN MECHANISMS

Devices for a precise, reliable, automatic coin recognition system and supply of the change.



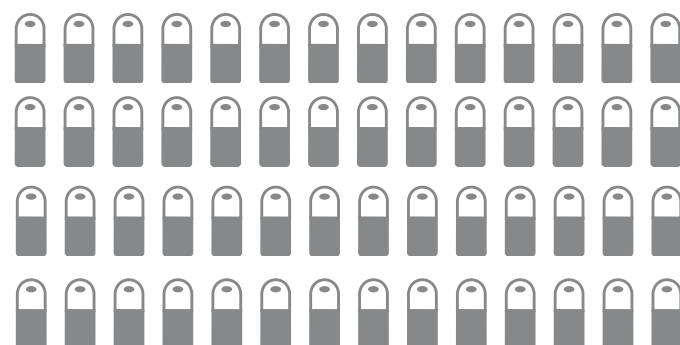
### BILL AND COIN VALIDATORS

Electronic payment systems for recognition and acceptance of coins/tokens and bills.



### M2M CONNECTION SYSTEMS

Devices designed to add remote connectivity to the sale point.



Thanks to its over thirty five years of experience and **30.000.000** cashless keys sold, Coges is now the leading European company in design and production of payment systems for the vending industry.



Coges is dedicated to design and production of cashless and cash payment systems for vending.

The headquarters are located in the heart of one of the most industrialized areas of Europe, 10 km from Vicenza (Italy).

Branch offices are maintained in France and Spain. You can find Coges products in more than 30 Countries all around the world thanks to our network of dealers and resellers.

Coges is part of Azkoyen Group, a multinational company with its headquarters in Navarra (Spain).



Click on the icon to find more information on [www.coges.eu](http://www.coges.eu)



74

The human capital is represented by 74 employees working in the headquarters in Italy and in the branch offices in France and Spain.

28%

28% of the workforce is employed in Research & Development area.



*idea*



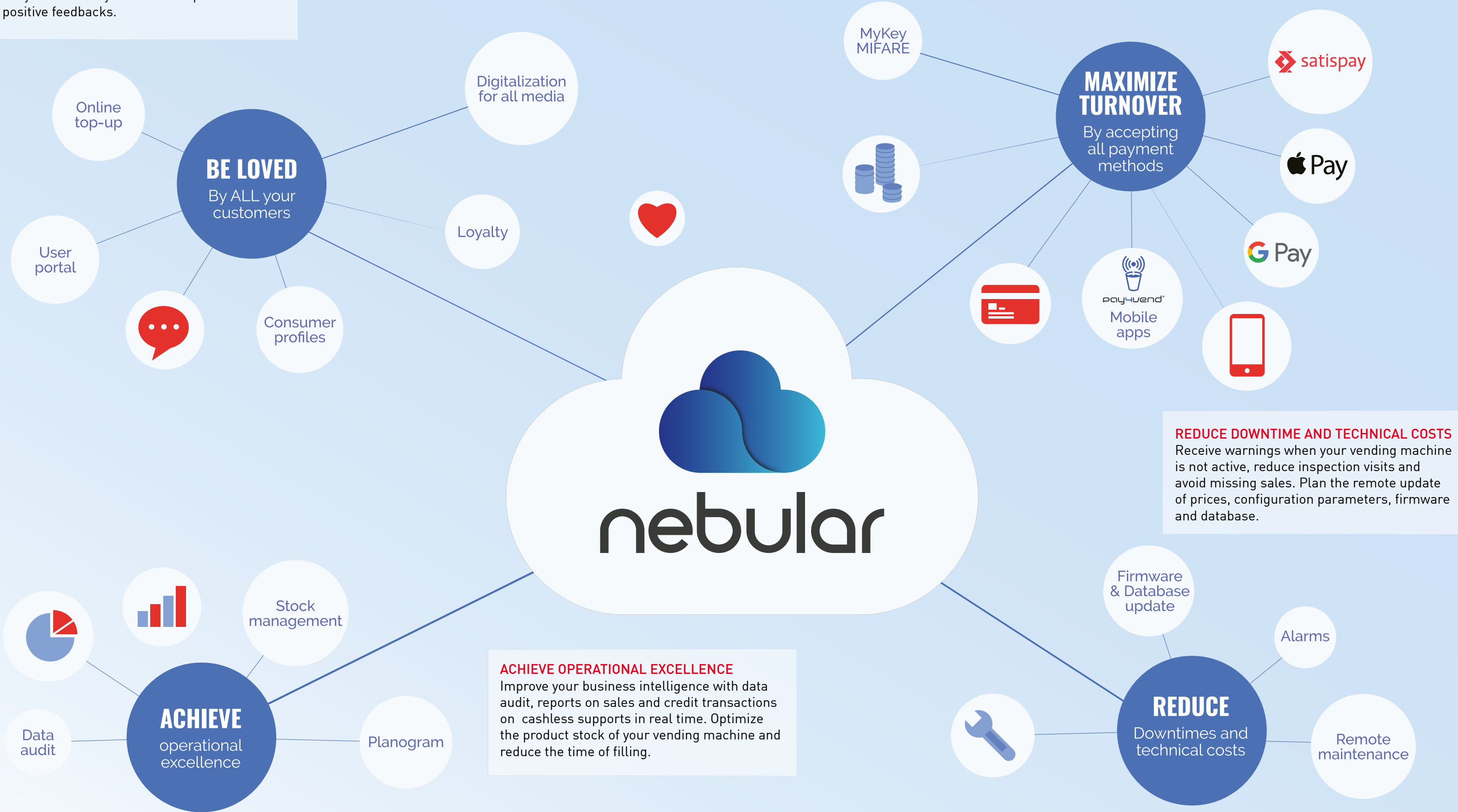
WHY CONNECT YOUR VENDING MACHINE?

BE LOVED BY ALL YOUR CUSTOMERS

Involve all your customers in loyalty programs, analysis of data and exclusive functions, independently from the payment method. They will reward you with more purchases and positive feedbacks.

MAXIMIZE TURNOVER

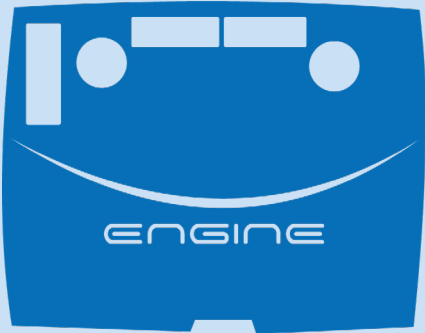
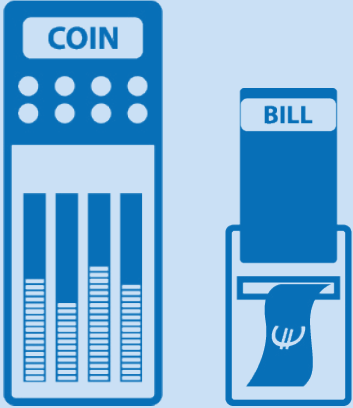
Accept the whole range of payment options, from cash to MyKey, credit cards and mobile payment apps. Integrate third parties payment solutions. You will never give up on a sale for lack of choice!



# WHAT CAN YOU DO WITH NEBULAR

## CASH MANAGEMENT

Nebular makes peripherals smarter for cash recognition and incorporates the remote update of coin database of [Unica](#) and [Hexis](#) coin mechanisms and of bill database of [Creos](#) and Lithos bill validators, permitting the acceptance of new cash and preventing the fakes' circulation.



## TECHNICAL PORTAL

The online technical portal allows the creation, the change and the remote sending of parameters and configurations to the payment system. Nebular makes possible the remote update of the firmware of the master system and of peripherals and troubleshooting included the alarms. The vending machines can be grouped according to some customized labels to permit the sending to each of them of the changes just made.



## PRODUCT MANAGEMENT

To monitor the performances of the vending machines and increase the earnings, Nebular permits to manage the product database by means of an intuitive planogram. This solution registers the transactions in real time for each product, permits to get a practical report on the sales' trend and make possible the download of a complete set of customized reports. Moreover Nebular is compatible with the main management software widespread in the vending market: the operator will find all the data detected in real time in the menu he usually use.



## REMOTE REFUND

Nebular simplifies the credit refund offering two preset modes (free sale and remote recharge of key) and the possibility of controlling every time the log. In case of missing sale it will be possible to send a user refund by associating him with a specific [MyKey](#) key: everything is done without loss of time or risk of errors due to the cash management.



## CREDIT CARD READER

Nebular permits the connection of a [credit card reader](#) to the vending machine, exploiting also the remote connectivity module already present on the payment system.



## OPEN PLATFORM

The Nebular platform is open to the integration with third parties' services. Satispay, **Apple Pay**, **credit card**, e-commerce: the same technologies that your customer uses in his daily purchase experience is available together with all the digital services that you need for Industry 4.0.

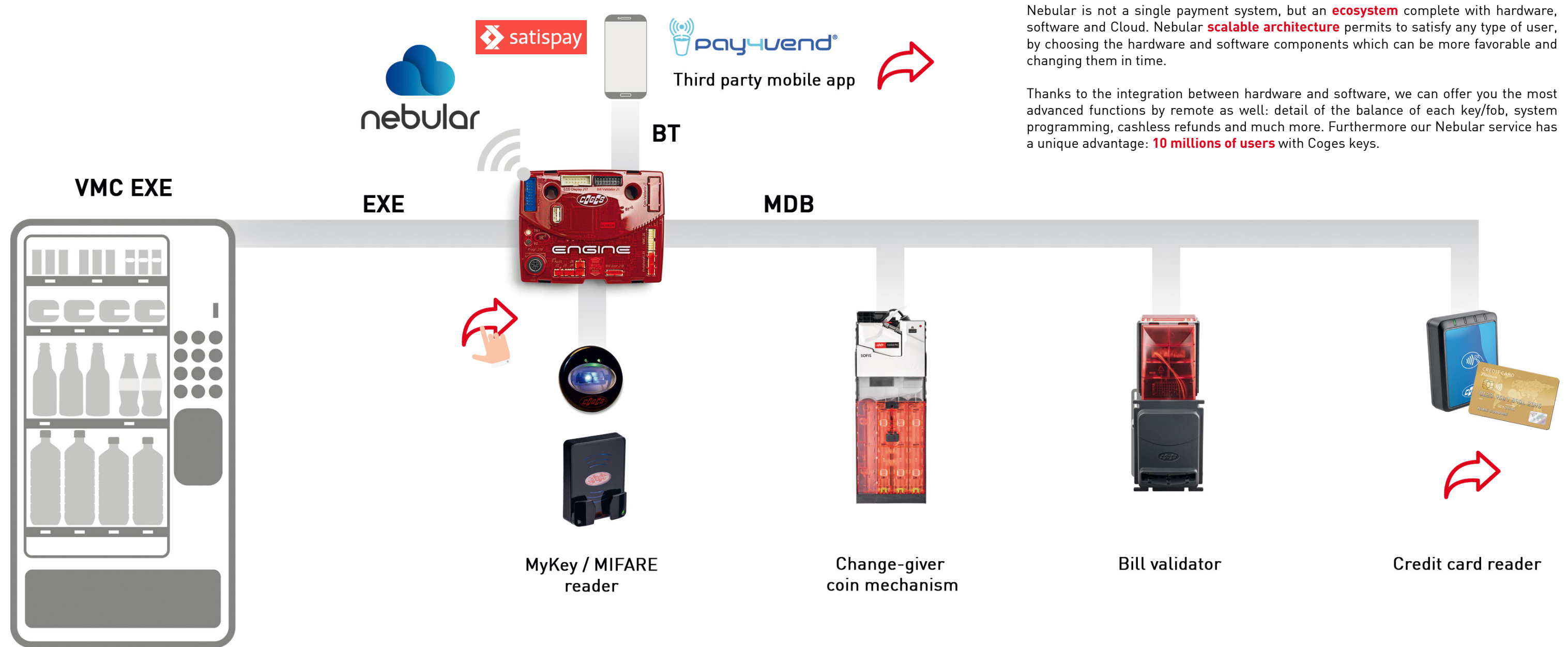


nebular



[Learn more about Nebular features](#)

# NEBULAR INTEGRATED ECOSYSTEM



Nebular is not a single payment system, but an **ecosystem** complete with hardware, software and Cloud. Nebular **scalable architecture** permits to satisfy any type of user, by choosing the hardware and software components which can be more favorable and changing them in time.

Thanks to the integration between hardware and software, we can offer you the most advanced functions by remote as well: detail of the balance of each key/fob, system programming, cashless refunds and much more. Furthermore our Nebular service has a unique advantage: **10 millions of users** with Coges keys.

## CONNECTED MASTER SYSTEM

- Master payment system connected to the VMC with Executive protocol: [Coges Engine](#), [Palladium Touch](#), [Unica](#) or [Hexis](#) change-giver coin mechanisms.
- 4G network connection board or Ethernet/WiFi one (already included in Palladium Touch)
- The system reads all the accounting data from cash and cashless peripherals
- Audit of cashless/coin/bill sales
- Audit of cashless/coin/bill takings
- Audit of the number of coins in the tubes and in the cash-box
- Bonus Recharges
- Audit of single transactions (Coges Engine Plus or coin mechanism)

## CASHLESS PAYMENT

- According to the model of payment system it is possible to connect a [MyKey](#) key reader, a MIFARE reader or a LEGIC one (only with Engine and Unica)
- Possibility of connecting a second cashless device ([credit card reader](#), NFC)
- Possibility of payment with smartphone by means of [Pay4Vend](#) (with additional Bluetooth module) or third parties' application

## FUNCTIONS

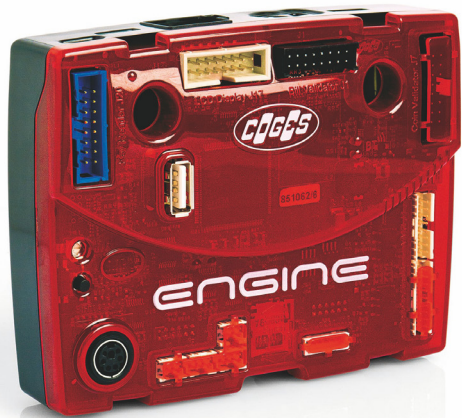
- Max. cash credit
- Max. taking between two recordings
- Differentiated prices for cash and cashless
- Management of Ticket restaurant
- Printer check
- Complete range of bonus for cash and cashless
- Time schedules for cash and cashless
- Controlled sales

## CONNECTED PERIPHERALS

- MDB Change-giver coin mechanism
- Bill validator
- Credit card reader

MASTER SYSTEM

Connect a payment system with integrated cashless as master system to your vending machine: in this way you'll be able to differentiate the prices between cashless and cash and read all the accounting data by a master system, included the differentiated sales between cash and cashless, the number of coins in the tubes, the quantity of cash in cash-box and much more.



COGES ENGINE



PALLADIUM TOUCH



UNICA



HEXIS



COGES ENGINE

To increase the value and efficiency of your vending machine, Coges Engine combines the most advanced functions of the cashless payment system with cash management and connectivity. This **multistandard electronic system** is able to interact with the main communication protocols on the market (Executive, MDB, BDV, RS232) and, thanks to cash and cashless management, can be connected to various cash recognition devices offering a unique powerful system for managing your vending machine.

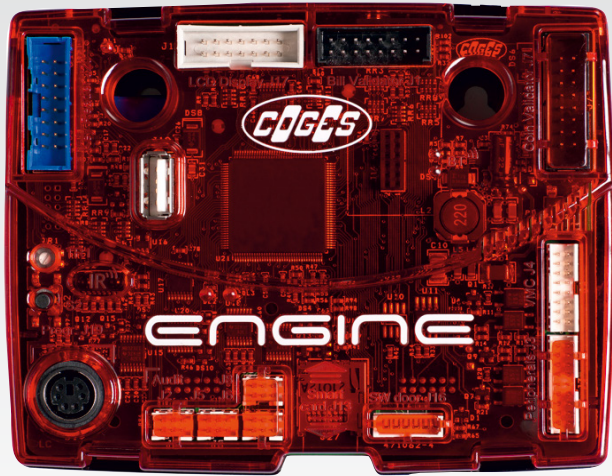
Set the prices in **Price Holding** mode and connect Coges Engine as master system in your vending machine to exploit the max. potential of your management as regards reading of the accounting data, functions and promotions.

Coges Engine supports also **MIFARE customized cards**, in order to connect the cashless payment to other applications such as:

- Access control and presence recording ;
- Member cards and fidelity cards;
- University badges and students cards.

For specific applications, Coges can supply the .dll to connect Coges Engine System to Pos, to the catering solution, to the management software or access management.

Coges Engine is available in different models which can easily be updated and potentiated to adapt the system to any need. The Plus version of every model permits the use of additional functions: see the "[Hundreds of possibilities](#)" table for a list of the main functions.



COGES ENGINE BASE

Available in Key and MIFARE version



COGES ENGINE PLUS

Available in Key, MIFARE and LEGIC® version

CASHLESS CHANGE-GIVERS COIN MECHANISMS

UNICA



Unica is a high-precision 6-tube change-giver coin mechanism designed to increase revenue in the management of the vending machine thanks to the integrated cashless system, a careful data control unit and a new coin recognition system.

Programming of operating parameters is easy thanks to the new color graphic display and integrated USB ports. Unica can be connected to the Nebular service to offer you all the advantages of the Internet of Vending: remote programming and updates, data detection, alarms, cashless management and much more.

Unica is available in different models that can be easily updated and enhanced with additional modules to adapt the system to any need.

Features:

- **Greater autonomy** thanks to the **6 tubes**;
- **Real-time recognition** of the number of coins in the tubes;
- Graphic **color display** for programming;
- Available in **Key, MIFARE and LEGIC** version.
- See the “[Hundreds of possibilities](#)” table for a list of the main functions.

HEXIS

Hexis Change-giver Coin mechanism offers Coges best experience in payment solutions for vending: an integrated solution coins + cashless which stands out for precision in coin validation, flexibility in configuration and possibility of remote connectivity.

Features:

- Maximum precision with the **new coin validator module**: more than 96% of acceptance at the first insertion;
- **Flexibility in configuration** to adapt to your needs in each location;
- **Agile maintenance** to offer you the best performances and the maximum service continuity;
- **Always connected** to reduce the maintenance and update time and costs;
- Available in **Key and MIFARE** version.
- See the “[Hundreds of possibilities](#)” table for a list of the main functions.



PALLADIUM TOUCH

Palladium Touch is a cashless payment system for vending machines connected to the Cloud, equipped with an interactive display and a combined MyKey and MIFARE reader. Thanks to the native connection between Palladium Touch and Nebular, the credit does not reside on the key but is stored on Nebular. The MyKey or MIFARE media is used to provide the end user with a unique and secure ID, with credit control by the Operator.

Palladium Touch increases the value of your [MyKeys](#) and helps you grow your vending operation:

- Offer new cashless payment and top-up options
- Harness the power of Nebular for simultaneous bidirectional interaction between Cloud and system
- Use the large display for commercial information and user interface

ONLINE TOP-UP

Top up MyKey and Mifare with credit card without the need for a card reader!

Securely authorize and select the payment channel from your smartphone: credit cards, ApplePay, GooglePay, Satispay...The top-up is instant and recorded for tax purposes.

The transfer to the Cloud also allows you to enable credit top-up on MyKey from the [cogeskey.com](#) portal\* via computer or smartphone at any time, even when the user is not in front of the vending machine.



Palladium Touch's 7-inches display and its intuitive **touchscreen interface** allow the user to access new functions:

- Key / fob **top-up with credit card**
- **Multimedia capability** (promotional photos / videos)
- Promotions and **loyalty**
- **Feedback and interaction** with the Operator
- Purchase history
- Multilingual commands
- **Keypad emulation** on vending machine

DISPLAY TOUCH

Palladium Touch allows you to engage the users of your vending machine even more, capturing their attention or entertaining them during the coffee break!

- Display advertising videos, special offers, promotional images or your company logo
- Upload video from the system's USB port
- Select and upload images remotely with Nebular



Coges systems include hundreds of functions to help you maximizing your vending operations through the satisfaction of your customers. Discover how to get the best from your cashless system.

HUNDREDS OF POSSIBILITIES

FUNCTIONALITY	BENEFITS	ENGINE BASE	ENGINE PLUS UNICA HEXIS	PALLADIUM TOUCH
Wizard menu	Wizard menu allows to easily set up your Coges Engine	Included	Included	Not Included
Last transactions recording on cashless media	Verify and give and effective answer to malfunctions of VMC or customer's claims	Excluding MIFARE	Excluding MIFARE	On Nebular
Automatic deposit management	Automatically store the first credit charged on the media as a deposit when required by the location	Partial	Complete (Excluding MIFARE)	Not Included
Controlled sales	Limit che consumption of a product to a max. quantity in order to respect company's or public rules	Included	Included	Not Included
Lock ID	It sets an additional safety encryption on the data present on MyKey	Only KEY	Only KEY	Not Included
Recharge key	It formats a MyKey or a MIFARE tag for the recharge of the user keys	Excluding MIFARE	Excluding MIFARE	Not Included
Second MDB cashless management	Increase your sale options by adding a cashless MDB peripheral		Included	Not Included
DATA MANAGEMENT				
Data recording from cash and cashless peripherals	Have a full control of your whole operation by complete and uniformed data recording, even from mixed machine fleet	Included	Included	Included
Alarm management in VMC	Coges Engine can also be used as an accounting data collection unit for connected devices, such as change-giver coin mechanisms, coin and bill validators or other cashless devices (credit card readers, etc.)	Included	Included	Included
Error logs		15	15	100
Credits number		2	2	2
PRICE MANAGEMENT (IN PRICE HOLDING)				
Price lines	Greater flexibility thanks to different prices to associate to the price lines for a greater control	15	200	200
Time tables to differentiate prices	Set up different prices to encourage sales in happy hours, in the afternoon of before the weekend	2	8	8
Price management	Several methods of setting to better adapt to different types and protocols (EXE\MDB). This also allows a more accurate data collection.			
in VMC		Included	Included	Included
Price Holding		Included	Included	Included
Cost by price		Included	Included	Included
Different prices for cash and cashless	Different prices allow to encourage the use of cashless and increasing prices by single cents	Included	Included	Included
Multiple key and card tables	Set up different prices in order to give special discounts to user categories	2	4	4



FUNCTIONALITY	BENEFITS	ENGINE BASE	ENGINE PLUS UNICA HEXIS	PALLADIUM TOUCH
BONUS				
Recharge bonus	1. Automatization of services provided by companies 2. Increase customer frequency at the VMC 3. Keep the customer loyal 4. Bonus function increases the value of your company image		Included	Not Included
Basic free sales bonus (free sale every N)		Included	Included	Not Included
Complete free sales bonus (free sale also on a daily, weekly or monthly basis)			Included	Not Included
Discount time table bonus	Set up different prices to encourage sales in happy hours, in the afternoon of before the weekend	Included	Included	Not Included
Single category bonus	Gain loyalty of some users (managers, teachers, etc.)	Included	Included	Not Included
Bill recharge bonus	Increase incomes with banknote recharging Lower coin management costs Get the money in advance		Included	Not Included
Menu bonus (“Happy Break”)	Encourage sales of a combination of products in a limited period of time		Included	Not Included
CONSUMER SERVICES				
Blacklist	Block the use of stolen, lost or fraudulent cashless media	Included	Included	On Nebular
Calories control	Avoid restrictions on school and other public locations. Use this function on tenders to have a greater score		Included	Not Included
Single transaction recording	Avoid frauds on cashless media thanks to a detailed log of single credit movements		Included	On Nebular
Age control	Allow sales in restricted business		Included	Not Included
Eco-recycling	User receives a credit recharge when he throws his waste in a garbage compactor	Included	Included	Not Included
Promotional messages on LCD display	Custom message for any single cashless media, including greetings or promotional messages If the system is connected in telemetry you can view news or information	Included	Included	Included
Ticket restaurant	Allow the use of ticket restaurant on VMC		Included	MyKey top-up
REMOTE CONNECTIVITY (WITH NEBULAR)				
Firmware update of MDB peripherals	It saves some time and maintains the peripherals constantly updated	Included	Included	Included
Price update	It changes the prices without going to the location	Included	Included	Included
Send coin and bill values into the cash	It avoids an excessive accumulation of cash in the cash-box	Included	Included	Included

LEGIC system not included in this table.

MYKEY AND CASHLESS MEDIA

Depending on the model, Coges cashless systems support **MyKey** (cashless media with proprietary protocol and transponder transmitter), **MIFARE Classic and DESFire** (fobs and stickers) and **LEGIC** media. Choose the readers that best suit your needs and increase the value of your vending machine with all the advantages of cashless and Coges experience.

	KEY 3 READER	KEY 3 IR READER	MIFARE 2 READER	LEGIC 2 READER	NEBULAR PAY READER	PAY4VEND
COGES ENGINE SYSTEM	✓	✓	✓	✓	✓	✓
UNICA COIN MECHANISM	✓	✓	✓	✓	✓	✓
HEXIS COIN MECHANISM	✓	✓	✓		✓	✓
PALLADIUM TOUCH	Integrated		Integrated			

NEW MYKEY

The new version of MyKey introduces the possibility of connecting the key to a **showcase<sup>1</sup>** dedicated to the Operator: thanks to Nebular the user can control his credit while the Operator has a tool to **communicate directly with his users**, send **refunds** on a specific MyKey and getting new tools for his marketing analysis.

MyKey is available in a new design and with 5 different intense colours. Included in the cost there is also the **printing of the Operator's logo** with a customized laser etching. The new MyKey is compatible with all the readers of the Key series of second and third generation.

<sup>1</sup> Patent pending



ADVANCED WEB SHOWCASE

If the Operator uses Nebular the registered user will access to additional exclusive functions:

- Possibility of seeing his credit on the key
- **Online top-up of credit on the Cloud**
- Sending of comments on consumptions, stock and locations
- Possibility of contacting directly the Operator from mobile or computer
- Possibility of seeing his own consumption log (only with connected VMC)

BIG DATA AND CONTACTS

The Nebular advanced web showcase further increases the advantages of the Operator:

- The MyKey registered users and their messages are integrated on **Nebular**, with possibility of a direct answer on the Operator's side
- All the transactions (purchases and recharges) made on the connected VMC are recorded and **can be analyzed**
- Sending of **refund** on a specific MyKey
- Possibility of analyzing the **habits of purchase** by exploiting the huge widespread of MyKey

WHAT IS THE WEB SHOWCASE?

On one side of the new MyKey there is a QR code laser-edged: by shooting the **QR code** with his smartphone, the user will be addressed to a customized web showcase.

The registration on the showcase will permit the users of the Operators to display some **dedicated information** such as the Operator's logo, the telephone number for the customer assistance, an e-mail address for contacts and the ingredients list present in the vending machines

ADVANTAGES FOR THE OPERATOR

- Your brand can be recognized by your customers
- You receive some communications by the final users
- Improve the image of your company
- Improve the score of your company for public and private tenders



Click here to see the video

CREDIT ON CLOUD

Thanks to the new Nebular 2.0 portal and to the online connection of the vending machines, [Palladium Touch System](#) (native to the portal), [Engine](#), [Unica](#) and [Hexis](#) can manage the credit on the cloud function. This means that the user will no longer have the credit on the key, as usual, but it will be shifted and managed directly on the cloud, by increasing the safety of the MyKey.

The advantages of this solution are mainly:

- **Safety**: both of the **Microsoft Azure** infrastructure (designed for this type of solution) on which Nebular 2.0 is developed and for operator/user. The simplest example is the loss of a key: thanks to the credit on the cloud, **the key can be locked and unlocked by the Operator**. Even if the key was lost, the Operator can remotely transfer the credit to a new key and keep on managing it directly on the cloud.
- The credit on the cloud permits the **refund** and the electronic **top-up** directly on the MyKey of the user by the

Nexi service, which is compatible with Visa, MasterCard and Maestro circuits. Also the management of the wallet in case of bonus or loyalty services, that the operator can offer to the customer, becomes immediate.

- With the online machines it is possible to make some **focused actions on a single customer** (ex. by offering him a free coffee on his birthday). All the management of the electronic wallet is calculated in real time and the remote update results immediate.
- The use of the Nebular 2.0 portal permits the implementation of new services for the clients which cannot be applied on the MyKey with the traditional credit on the key.
- The Operator obtains a complete check of his point of sale by remote: thanks to Nebular 2.0 it will be possible to make updates and changes to the system which controls the machine, directly from the office, without moving people.

## NEBULAR PAY

The **Nebular Pay** credit card reader is the ideal device to use in vending as well the electronic payment with **contactless** credit and debit cards, physical and virtual, with the same simplicity of a key and card reader.

Nebular Pay guarantees a user experience of immediate understanding. To make the payment it is enough to near the credit card or the smartphone to the reader:

- No PIN
- No buttons
- Amounts and messages only on the display of the vending machine

Thanks to its **reduced size**, Nebular Pay can be easily installed on any vending machine, **without occupying the hole for the bill validator**.

Nebular Pay permits you to increase the takings of your company by offering the **payment with credit card** in all the locations where this service is required: banks, business districts, offices and open locations such as university, hospitals, airports and other places with a great passage.

## CREDIT CARD READER



## NEBULAR CONNECTIVITY INCLUDED

The Nebular Pay reader requires the activation of **Nebular** connectivity service: in this way the **connection is managed directly by Coges payment system** and all the Nebular services are enabled (remote refund, remote programming, remote price change and much more).

## ADVANTAGES OF A COMPLETE SERVICE

Nebular Pay is compatible with **all the circuits of credit and debit cards** (Visa, Mastercard, VPay, Maestro...) and with the **virtual credit cards** present on the smartphone (ex. Google Pay, Apple Pay, Samsung Pay...), permitting a rapid transfer of the takings to the current account of the Operator.

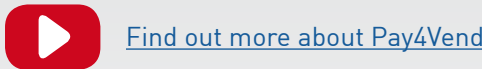
The Nebular Pay reader is available both in a version for **Coges Engine** payment system and a version for **Unica** or **Hexis** Change-giver coin mechanism, permitting the use of the credit card for the recharge of **MyKey** key or a MIFARE support.



## PAYMENT WITH PAY4VEND SMARTPHONE



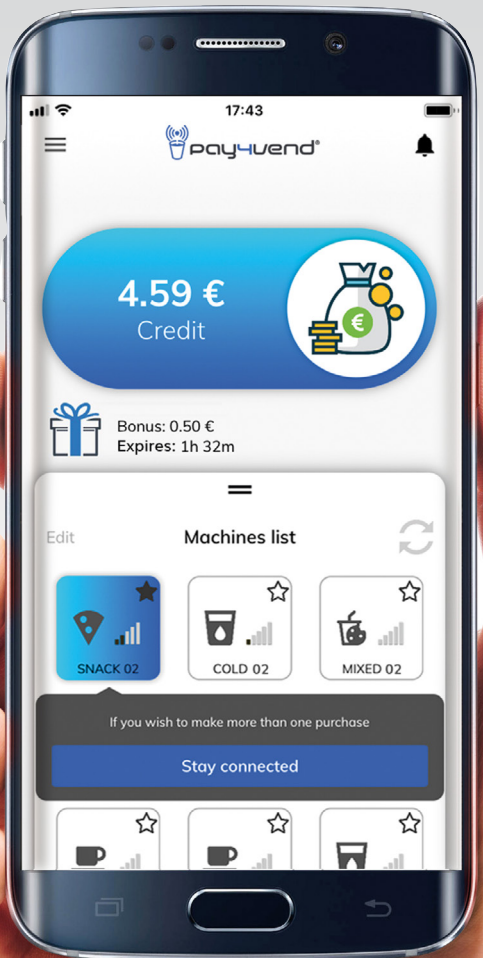
Pay4Vend is an app designed to buy any product from a vending machine via **smartphone**.



## AS SIMPLE AS A KEY

**Pay4Vend** is a quick to install and easy to configurate solution which will allow you to offer your customers the possibility to pay via smartphone and much more.

Operation is extremely simple: all the customer has to do is opening the Pay4Vend app on his smartphone, selecting the vending machine and proceeding with the purchase from the machine.

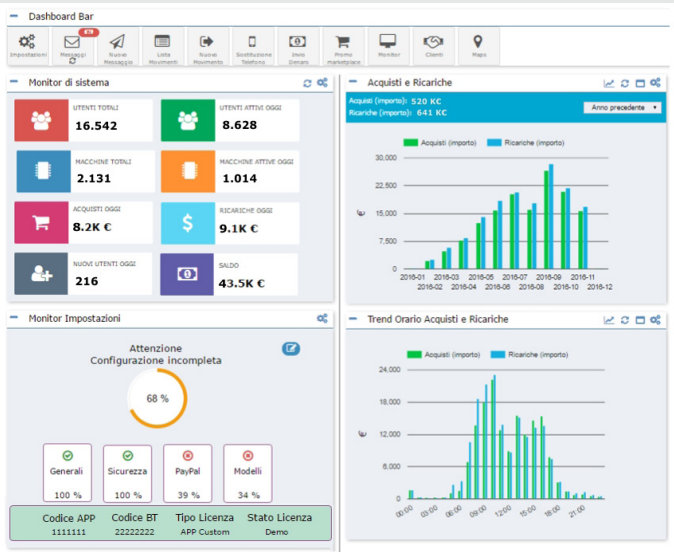


## BACKOFFICE WEB PORTAL

The Pay4Vend control panel allows you to consult **all the data relating to purchases and top-ups** made via the Pay4Vend app. Thanks to Backoffice you can also receive and send messages on the smartphone of the end user, manage credit refunds in real time, create discounts or promotions and much more.

Thanks to the online back office portal, available everywhere and everytime, the operator in particular can:

- Collect data from users
- Interact directly with them
- Know their behaviour and preferences thanks to a careful profiling. In this case the operator can offer to his customers the product that they prefer
- The operator can know not only the day but also the user consumption time schedule. So he can offer focused promotions to a group of users in specific time schedules
- View users statistics



## HARDWARE

Pay4Vend is compatible with **E.C.S. Air** and **Coges Engine** payment systems and **Unica** and **Hexis** coin mechanisms, through an optional hardware module in the system. It does not require dedicated devices on the VMC.

Pay4Vend can work both in autonomous mode (payments with smartphone only) and to integrate a key or card reader.

## CONNECTED PERIPHERALS

Since 1977 Coges has been designing electronic payment systems for the recognition and the automatic acceptance of coins and bills. These electronic devices are ideal to be installed in the vending machines and all the equipments that need a system for a **precise, reliable and automatic coin and bill recognition**; they can be connected to a cashless payment system of which they represent the ideal completion.

All the cash payment peripherals benefit from the Nebular service, in a particular way when they are connected via MDB to a Coges master payment system: [see the more efficient connection diagram](#).

### SOFIS



The **Sofis** change-giver coin mechanism represents the ideal solution for a precise, flexible and essential payment system for vending, suitable for all vending machines. Sofis is a simple and functional **MDB peripheral**, able to guarantee the high performances necessary to satisfy all the needs of vending operation.

- Maximum **precision** with the new coin validator module: more than 96% of acceptance at the first insertion
- **Flexibility** in configuration to adapt to your needs in each location
- Agile **maintenance** to offer you the best performances and the maximum service continuity
- **Ease** of operation thanks to the USB port for programming and firmware updates



### CREOS



Reading reliability and precision in **fakes discrimination** are the strenghts of **Creos**, our banknote reader for vending designed to ensure excellent usability even in **high stress situations**, such as locations with an high frequency of public or tobacco vending machines.

- 9 high technology optics for bill reading and antifishing
- Up to 100 bill faces in memory
- Max. bill width: 72 x 160 mm
- Stacker for 300 or 600 bills
- Average taking time lower than 2 seconds
- Energy consumptions equal to just 0,25 W in stand-by



### CAESIUM



Compact, reliable and multi-functional: **Caesium** coin validator is designed to adapt perfectly to vending locations with **table tops or small size** vending machine. Caesium is able to memorize up to 32 different types of coins/tokens and, to make programming operations even easier, it allows to set all its parameters easily from a pc.

- Accurate analysis by detection of physical characteristics, alloy composition and size of coins
- 32 programmable coins
- Acceptance speed up to 3 coins per second
- Modular structure
- Programming by PC, portable programmer or switch block
- Mounting with frontal plate or on change-giver coin mechanism



NO CONNECTED CASHLESS SYSTEMS

**E.C.S. Dynamos** and **E.C.S. Air** are cashless payment systems suitable for automatic vending machines and locations which do not need for a remote connection. Both are compatible with [MyKey](#) keys or MIFARE supports and can be connected to some peripherals for the cash recognition.

E.C.S. DYNAMOS



**E.C.S. Dynamos** is the ideal payment system for vending machines with reduced space and for operators who desire to offer the payment by [MyKey](#) which benefit from the essential advantages of **cashless**: paid in advance takings, possibility of programming multiple price lines and accurate data reading also from the connected peripherals. Dynamos is also compatible with the [BTDataKey](#) for a rapid sending of the accounting data to a smartphone for the transmission of the compensations.

E.C.S. AIR



**E.C.S. Air** is the ideal payment system for all the vending locations which need a cashless payment option to increase the sales and offer an essential service to the final user. It is enough to connect it in **MDB** to the vending machine or a master change-giver coin mechanism.

E.C.S. Air is a “combo” payment system, compatible both with Coges [MyKey](#) keys and any **MIFARE** support (fob, tag, key ring, cards, etc.): this permits to exploit the best of the two technologies or to answer to the need for mixed locations. E.C.S. Air is also compatible with the [Pay4Vend](#) app, to allow the payment without cash from the vending machine by smartphone, making it Coges most economic solution to offer this option.

FUNCTIONALITY	BENEFITS	E.C.S. AIR	E.C.S. DYNAMOS
Wizard menu	Wizard menu allows to easily set up your Coges Engine	Included	Included
Automatic deposit management	Automatically store the first credit charged on the media as a deposit when required by the location	Partial	Partial
Recharge key	It formats a MyKey or a MIFARE tag for the recharge of the user keys		Included
DATA MANAGEMENT			
Data recording from cash and cashless peripherals	Have a full control of your whole operation by complete and uniformed data recording, even from mixed machine fleet		Partial
Alarm management in VMC	Coges Engine can also be used as an accounting data collection unit for connected devices, such as change-giver coin mechanisms, coin and bill validators or other cashless devices (credit card readers, etc.)	Included	
PRICE MANAGEMENT (IN PRICE HOLDING)			
Price lines	Greater flexibility thanks to different prices to associate to the price lines for a greater control	15	15
Price management	Several methods of setting to better adapt to different types and protocols (EXE\MDB). This also allows a more accurate data collection.		
in VMC		Included	Included
Price Holding			Included
Cost by price		Included	Included
Different prices for cash and cashless	Different prices allow to encourage the use of cashless and increasing prices by single cents	Included	Included
Multiple key and card tables	Set up different prices in order to give special discounts to user categories	2	1
Technical charger key	Operations made with technical key to test the VMC and payment systems are recorded in a separate log		Included
CONSUMER SERVICES			
Blacklist	Block the use of stolen, lost or fraudulent cashless media	Included	Included

USEFUL TOOLS



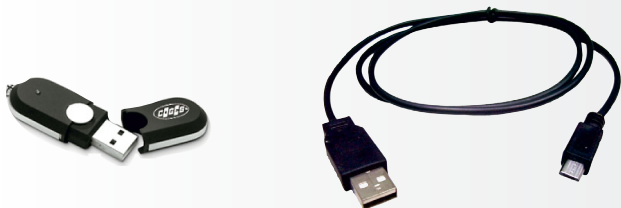
CONNECTION CABLES

Each product comes with its own cables included in order to be connected to a vending machine. More cables may be necessary to connect to different models of vending machines or to other payment systems.



E.C.S. PROGRAMMER

E.C.S. Programmer is a handheld device used to set parameters of Coges Engine on spot. As an alternative, Coges Engine's parameters may be programmed on a Personal Computer using Visual Programmer free software and the transferred to the system by using a USB pendrive, a handheld computer with infrared or a Program-Key.



USB KIT

USB KIT includes an USB pendrive and a USB-micro-USB to connect to the micro-USB port of the system. USB pendrives may be used for data recording, firmware updating or parameters setting.



Reduce maintenance time and costs



BTDATAKEY

BTDataKey records the accounting data from a payment system and send it to a smartphone or PDA via Bluetooth connection.



TERMINALE K4U

K4U terminal is a device which may be connected to a personal computer in order to read data from a cashless key and to set up a service key.



Click here to see the video





experience + innovation

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