



Kyema: the Swiss RFID solution

Kyema is a solution provider specialising in Radio Frequency Identification technology (RFID).

Kyema is the main player in Switzerland and one of the few at a European level which, in combination with its partners, has supplied turnkey RFID solutions that are both transactional and use contactless card infrastructure.

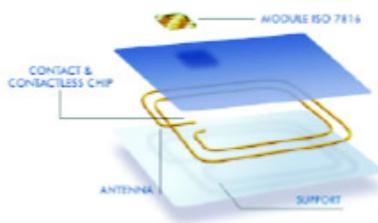
Kyema's experience is unique throughout a wide variety of applications and sectors. Kyema is able to respond to clients' specific needs, supplying:

- Advice on system architecture and integration with company systems and processes.
- Specific definition, selection and installation of hardware, software and middleware components.
- A specially realised design for the client where solutions are not already available.

Contactless cards (RFID)

Contactless cards differ from magnetic or microprocessor cards in the way they are used. Thanks to RFID technology it is no longer necessary to place the card in the reader, meaning it is easier and quicker to use.

Contactless payment is one of the rapidly expanding areas for RFID technology applications.



Services available using an RFID system

RFID contactless technology facilitates more efficient and better personalised management of hotel and clientele structures. The client maintains a constant relationship with the hotel via his or her contactless card, which becomes a form of identification, recognition and access for all the hotel and tourism structures that form part of the chain.

Possession of the RFID card enables clients to receive privileged treatment, whereby many of the inconveniences that can be found in using the hotel structures are minimised if not eliminated.

Check in/check out procedures, accounting and payment of services are automated with discrete and

RFID_VILLAGE

**Client management:
Services,
Access,
Loyalty cards,
Payment for hotels,
holiday villages,
residences**

straightforward use of RFID technology and applications. Thanks to the card, everything is automated and the client can remain within the structure, avoiding queues and unnecessary interactions and benefitting from the recognition of his/her own needs and expectations (CRM).

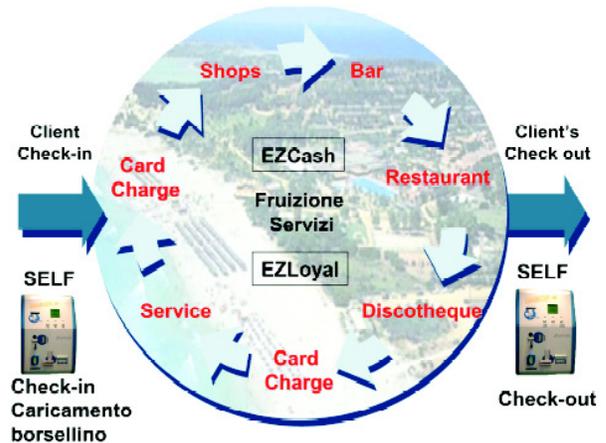
Nuovo Cliente



RFID, Loyalty, Chiave, Borsellino elettronico



Il Processo Automatizzato



The card remains with the client after check out. It can be used for loyalty programmes, bookings and subsequent stays with automatic check in/out, speeding up entrance and exit times into and out of the complex. For the automated check-in procedure, use of biometric and digital photo surveillance is required.

RFID solutions enable companies to improve their level of personalised client management (CRM) thanks to the possibility of pre-empting the client's needs and making desired services available, thus increasing loyalty and satisfaction.

Description of the main applications

Booking

Bookings are made by communicating the number of the card. In this way the automatic check-in operation is prearranged.

Automatic check-in / check-out

At the time of check-in at the appropriate terminals, access to the various structures is enabled and the client account is opened:

- Access to the room,
- Access to the car park,
- Access to services,
 - shops,
 - sports facilities,
 - a business office,
 - a vending machine,
 - computers / internet,
 - etc.

Account opening with the choice of:

- credit card,
- pre-paid credit card,
- or paypass.

At check-out all the functions are reset and the account is settled.

Prepaid credit card and payments

The client can choose the method of payment for the services and the stay and the RFID card will be authorised accordingly. The prepaid credit card is managed using appropriate terminals for payment and recharging.

Validity of the card

The card can be used in all the hotel chain's facilities in the same way.

Complementary products



PC_Lock



Totem

PC-Lock

PC_Lock is a product for the control and management of access to PCs aimed at the hotel industry or any company which needs to verify and manage access to PCs with maximum security and reliability.

Using an RFID card, which is unique to every user and appropriately configured according to the access

and control needs defined by the client, it is possible to verify and manage the use of PCs in an extremely straightforward way. With different configurations it is also possible to limit their use according to the profile of the user, be it client or employee.

TOTEM – Multifunctional positioning

Multifunctional positioning uses the Bassilichi **Base B** family of self-service windows as a platform, widely proven for the supply of information services and for the management of financial transactions.

The Base B platform offers a high level of quality and reliability with low maintenance costs. The hardware and software modules offer an extremely high level of personalisation.

Kyema has personalised the Base B platform for the supply of services in the hotel industry.

The modules enable payments to be carried out 24 hours a day, both in cash and using electronic payment (prepaid card, ATM card, credit/debit card, loyalty card) according to the device installed. It is possible to process both types of payment on the same machine, which can be connected to the central information system (host) and which also has a device for remote control.

A few of Kyema's projects

1. Contactless payment solutions
Platform for the processing of contactless payments, based on Philips MIFARE technology (ISO 14443).
Kyema's contactless payment platform consists of:
 - System know-how and RFID strategy
 - Personalised cards, readers/writers
 - All the software procedures for administration and integration with traditional banking services.
 - Kyema also supplies all the tools for the administration and addition of services that can be supplied via the same card.
2. Service card, RFID access control and prepaid credit cards for banks, holiday villages and hotels.
3. Access control and car park management.
4. Motorway access surveillance and control
5. Location of staff in an industrial environment.
6. Control/administration of high security documents.
7. Location, traceability and movement analysis of players for the sports industry.

Kyema's partners

RFID solutions are the result of integrating various components which should produce the best possible result in relation to the sector and the type of application.

Kyema has developed a series of partnerships with the industry's leading companies, with which it collaborates to supply "best of breed" solutions.

Cisco, SIRIT, Oracle, Philips, ST Microelectronics, CAEN, Multispectral, Cardpos, Alien Technologies, Acient, LabId and Softwork

are just some of our more notable partners.