



# ID TECHNOLOGIES

Identification media and ID card management at a glance



## ID CARD MANAGEMENT

### Identification media as a means of organizing business operation.

Identification media such as cards and tags are an important tool of business organization. They replace keys in access control, serve as a medium for time recording or can be used for payment in the cafeteria. The range of applications is wide, and there is a great variety of technologies on offer. Deploying an advanced and secure RFID technology for your company ID cards makes sure that you meet all the current IT security requirements. Virtual badges as a smartphone app offer convenience and can be transferred remotely without physical delivery.

PCS offers expert identification media know-how and services built on an in-depth knowledge of the market gained over more than 40 years. We will be happy to advise you on the selection of the best media for you, the personalization of your ID cards or the migration to state-of-the-art RFID technologies.



## Card media at a glance.

PCS offers identification media based on MIFARE®, LEGIC®, Hitag or EM4200 technologies. If desired, our RFID cards can be equipped with an additional contact chip to enable applications such as single sign-on or 2-factor authentication.



### RFID cards

RFID cards in credit card format are popular as they easily fit into your wallet or purse. The antenna is safely packed inside of a plastic card that offers variable design options on the outside. RFID cards are often used as company ID badges visibly worn on the employee's clothing. Company-specific printing can be made individually and in many colors. The cards are available in the various standard RFID technologies (one technology per card) or as combi cards integrating two different RFID technologies.

For long-range applications, PCS provides UHF transponders with a range of up to 15 meters. Take advantage of our many years of experience in RFID-based projects.



### RFID tags

RFID key fobs or tags conveniently attach to a key ring or can be worn on a yo-yo rubber band for particular ease of use. Their round shape makes them very easy to handle. Ultrasonic sealing for water tightness and glass fiber reinforcement for breaking strength ensure high resistance to ambient influences. A wide range of colors can be selected for the plastic housing, and the ceVo+ tag version also allows customizing the tag cover. The key fobs are available in the RFID processes as well as combination badges with two different RFID technologies.

### App ID.mobile

With the smartphone app ID.mobile you manage your digital company ID card. Use your smartphone for convenient access booking at current INTUS readers or for recording working hours at the new INTUS terminals. The badge design in the app can be designed in an individual layout. In this way, the digital company ID card adapts to your corporate identity. For replacement badges or when changing a smartphone, an encoding station is available to quickly and easily generate individual digital badges.



## UHF-Transponder

For long-range applications such as access control or the operation of rolling gates, RFID systems are required that operate at UHF frequencies over distances of up to 15 meters. Adhesive transponders that are attached directly in the vehicle are available. An alternative is UHF cards in the vehicle that are read from the outside. Robust heavy-duty transponders in plastic housings are suitable for forklift trucks or electric pallet trucks.



## ID card management

If you want to personalize your cards yourself, you need a card printer and a personalization system. With the software, you personalize the card with individual features. The inscription is applied by dye-sublimation printing and optionally additionally encoded during printing. Photo, print, and personalization are applied under an overlay film or protective lacquer to resist abrasion. PCS offers you accessories such as camera or card printer in different options.



## Coding Stations

Whether you want to encode the badges generated from your badge management in the same step or recode existing badges for new applications, such as offline access control: PCS supports you with the appropriate software as well as prepared encodings. The coding station at ID.mobile is also used to initialize the employee's badge with the corresponding badge number when changing smartphones.

**Advantages of PCS ID card management:**  
comprehensive expertise on ID media,  
consulting on RFID, security standards,  
personalization, ordering and archiving  
from a single source, migration support  
when switching to modern RFID technology.



## PCS offers comprehensive services for all aspects of ID card management:

- transponder test for your legacy media
- configuration and creation of your virtual badges for smartphones
- advice on migrating to secure RFID technology
- consultation on the personalization of your cards
- creation and archiving of your customer-specific keys and master cards



### Transponder test

There are many vendors of RFID identification media on the market, and the products vary greatly. Even high-quality cards may have built-in antennas of a design that will not reliably function with certain types of reader. We will test your legacy identification media to resolve any issues in advance so you can be sure that your ID cards still conform to current RFID standards.

### Migrating to state-of-the-art RFID technology

Many companies are not aware that the RFID technology they rely on no longer meets all the current requirements for IT security. Using older technologies, you will not be able to take advantage of the latest functionalities due to factors such as insufficient storage space on your ID media. PCS offers media combining several RFID technologies. This ensures failure-free booking at current and legacy terminals and readers, while allowing you to successively replace existing third-party or legacy systems.

### ID card creation

By delivering “turnkey” ID cards and key tags, PCS is saving you time and money. We supply advanced RFID identification media according to your project requirements.

You prefer to print your own ID cards? We will assist you with solutions including printers for PVC cards and paper visitor passes, the MADA ID.office personalization system for designing your own layouts and an encoding station for programming your identification media.

### Archiving

RFID media require considerable know-how and carefully optimized logistics. Rely on PCS to archive your customer-specific card parameters. In this way, you can be sure that the issue of employee ID cards and the responsibility for them will have been resolved for the long term.

Time for security.



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