

## Cooperation with DELTA

With the innovative concept from RFIDsec and DELTA's expertise in the developing and packaging of custom chips the cooperation between the two companies has resulted in the development of a chip which will revolutionise the use of RFID worldwide.

Although the RFID chip is in the prototype phase, it has made a strong impact on the market.

## How can the RFIDsec chip make a difference?

An example is a visit to the library – Here you are helped and protected by this new technology.

RFID technology is already widely used in libraries and the new secure tag offered by RFIDsec will allow libraries not only to store data but also to protect privacy by activating the "silent mode" when it is outside the library.



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# How can a tiny chip make your world safer?



**DELTA**

We help ideas meet the real world

## The RFIDsec chip - Making your world safer

### Conquer the challenges from the traditional RFID chip

A traditional RFID (Radio Frequency Identification) tag is not secure and offers no privacy from unauthorised access to the information it contains, this means that hackers have easy access. It can be used as a tracking device and anyone with a personal organizer or modern mobile phone can read the information. As RFID technology becomes more sophisticated the risk for intrusion of your privacy also increases. Until now this has restricted the ways that the tags can be usefully utilised.

The company RFIDsec has created a solution that revolutionises the use of the RFID tags.

The new encryption technology from RFIDsec makes the tag secure and protected. Only authorised people can access the information in the chip, vastly increasing the areas where it can be applied.

Imagine a world where you can rely on:

- Safe transportation of dangerous goods
- Reliable plane servicing
- The authenticity of medicine

## The technology behind the chip

RFIDsec offers a complete solution which comprises a RFID tag, software which uses essential security and web-services, that ensure an authenticity check for the consumer and recognising whether the chip is genuine or a clone.

The chip is unique as it can enter into a “silent mode”, for example when a customer leaves the store. The chip can differentiate and authorise, thus ensuring that piracy and plagiarism are eliminated.

### Privacy and confidentiality

When the secure RFID chip is in “silent mode”, the chip cannot be used by unauthorised people.

The chip has the additional feature of staying active for later use for example, in connection with recall, servicing and guarantee situations.

### Data integrity

The sophisticated access solution does not only protect the information on the chip, but it can also differentiate access rights to the information. This allows even sensitive data to be put into the tag because only authorised users have access. Any attempt at unauthorised access will not be recognised by the RFID chip, thus providing the customer with full protection.

RFID tags were previously thought of as glorified barcodes and that this was the main purpose of the technology.

The applications of this new technology are vast, and it can now be used in many diverse industries where security and confidentiality are paramount:

- Pharmaceuticals
- Automotive and airlines
- Expensive designer products

