

cINVENT / 4S - part of CASC-AID



- Security system based on UHF RFID technology
- Support a super-fast continuous, daily stock-taking
- Applies State-of-the-Art technologies (Industry 4.0, IOT..)
- Quick implementation based on standardized processes
- Stand-alone or fully integrated in “any” ERP system environment (e.g. SAP...)
- RFID reader system with 3 m reading distance
- Offline and Online mode support
- Seamless integration into existing Anti-Shoplifting Systems

4S - Smart Safety System for Shop applications

Unified RFID technology

Standard, RFID based security solution designed for logistic applications. Each RFID Tag has a unique ID number with a multilevel security solution. The technology supports the continuous stock-taking.

Centralized RFID Tag writing

The special anti-shoplifting RFID tag handling is not the responsibility of the shops; this job is arranged by the Central Management Software backed up by a comprehensive logging system. The unique ID numbering of RFID Tags supports the country / shop / item identification.

Shop tailored POS RFID reader / decoder

The ‘just-sold’ items can be marked during the quick and efficient RFID Tag deactivation process at the POS. These RFID Tags are also read by the RFID gates but with no alarm.

Automated RF Power Control

The automated RF Power Control option of the antennas minimizes fake alarms.

Offline mode

Alarm goes off when not-deactivated RFID Tags are read by the RFID gates.

Online mode

Besides the offline mode the system continuously reports the data of the RFID Tags read by the RFID gates. Together with a handheld RFID reader the system supports the very fast daily stock-taking; it is 22 times faster than the bar code based stock-taking systems.

Hardware requirements

- POS RFID reader
- RFID Gates
- RFID Controller

In case of online mode, the following components are also needed:

- Server (network connection, MS Windows, MS SQL Standard 2012)
- Wi-Fi handheld terminal for RFID and barcode