



# Key Management

An integrated Software and Hardware solution by Transtrack International and CaptureTech

## CIT Track & Trace and RFID

**The management of keys for servicing of certain locations by the Cash-In-Transit (CIT) company is very intensive, security sensitive and vulnerable for mistakes. A crew on route may need to return to base if a key is missing. The CIT is accountable for complete and reliable management of the keys of client's locations and requires preventive management and a proper audit trail.**

Important part of the solution is the RFID enabled seal, the RFIKeyseal, to which the keys are attached. The seal contains an RFID tag that sends out a unique number by which it can be identified. The seal itself can also be laser engraved with a logo or barcode, and is available in any colour or pair of colours per seal.

CWC communicates the required keys for a route to the key management solution. If the storage solution is used (KeyConductor), the light at the keys to pick turns green and they are unlocked. The employee can now take these keys and hand them over to the crew, or the drivers can order pick the keys themselves.

If there is a change of liability required between the employee and the driver whilst handing over the keys, then the KeyCaptor can be used. Also in that case, CWC communicates the required keys and the KeyCaptor checks if the right key-rings are being issued and a change of liability is printed. Besides the



The KeyConductor enables easy storage and orderpicking of sets of keys.



RFIKeyseal

check that the right keys have been handed out, the Key-Captor also weighs the keys collectively and the weight should correspond with the weight set in the

master data. By doing so, the Key-Captor will at collection detect broken or missing keys or possible fraud.

### Why is this of interest to me?

- 100% closed loop process for key management
- All routes take the correct keys
- All routes hand in the correct keys
- Integrity of the keys is verified by weighting

### AT A GLANCE:

- RFID enabled key management
- Integrated with route planning and master data
- Weighting option for integrity of the keys
- Cost effective proven technology

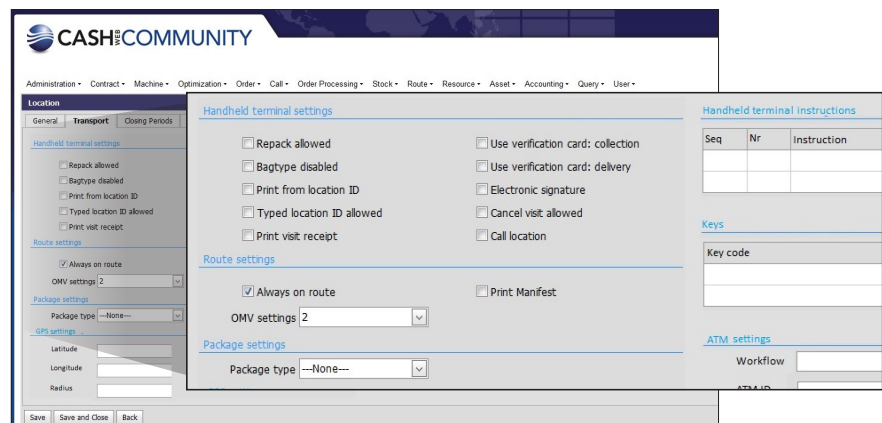
The integration between the RFID key management system with the Cash-WebCommunity (CWC) software enables a 100% secure process of picking, issuing and collection of keys per route and making sure the proper keys are handed to the crew. CaptureTech developed and implemented the RFID key management solution successfully and is unique in the market with this solution. Transtrack as market leader in CIT automation takes care of the registration of locations and keys, the planning of the routes & resources, the tracking of bags and the execution of the routes.

CWC contains modules for the end-to-end automation of the transportation process, the receive & dispatch area, vaults and on-route work using PDA's with workflow driven functionality. At location level CWC holds all relevant settings and information for a CIT to provide the proper service, which includes the key(s) for the location. The daily route planning process makes use of this information and determines the keys to take on route. CaptureTech is a technology company that develops, implements and maintains products and solutions that make your business more efficient, more

secure and more reliable. For the Cash Industry, we have developed various (RFID) products and solutions, such as our enhanced key management solution.

Transtrack with its community approach for software in the cash industry, is continuously applying the CWC software as a solution making the cost of cash lower and at the same time improve margins for commercial service providers.

The KeyCaptor checks if the right keyrings have been issued and collected, and without modification.



Setting up keys at location level

## Possible extensions to the Key Management and CIT solution, using additional modules from CWC:

- **Call Management:** workflow based online registration, monitoring and managing queries, complaints and discrepancies between the retailer, the service provider and other actors.
- **Asset Management:** online management of ink protected cassettes throughout the supply chain between the safe, the service provider(s) and the asset vendor.
- **Reconciliation:** Reporting on discrepancies throughout the replenishment life cycle.
- **Cash Center automation:** full automation of cash processing and inventory management of all vaults.
- **Cash Point management:** forecasting & optimization of cash points like ATM's, coin machines and retail deposit terminals to achieve the best order against the lowest cost of cash and service price.

Transtrack International aims to remain in the leadership position in the field of ICT solutions for cash businesses, taking automation and the use of technology to the next level. The CashWebCommunity is the engine for a cash community requiring more dynamics, more security, lower cost and manageable risks.

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