

Connecting the Internet of Things with People.



## Inventory Management Solution

Transcends' mission is to make RFID implementations simple. Prebuilt solution components ensure quick turnarounds and maximize your ROI.

The Inventory Management solution automatically monitors the inventory level of tagged items. Thresholds can be set for alerts when minimum stock levels are not met. Suspicious activities are reported in real time and inventory movement is recorded. Orphaned or stolen items are identified.

## Retail Store:

Missing items from a shelf (out-of-stock), someone taking multiple items off the shelf when it is not expected (possible theft situation), or items not showing up at any check out register but leaving the building through the exit doors (theft). These are all very familiar situations a retailer is faced with, but is difficult to address. Retailers typically don't have any visibility into their store front in terms of where the merchandise is located. Is it on the shelf? Did a customer take it off the shelf and leave somewhere else in the store?

The Inventory Management solution addresses exactly these challenges. Using fixed readers and sophisticated rules, the system is monitoring shelf item levels in real-time, alerting the store manager or a clerk of situations where the item count falls below a specified threshold, too many items are taking off a shelf in a short period of time, or an item is "seen" at an exit door without having passed through a check out register. In combination with RFID handhelds, the store clerk can search for missing items that might be on a wrong shelf or just left abandoned in a shopping cart away from its regular shelf.



RETAIL STORE

## Specifications:

The solution tracks assets and their location (reader ID, timestamps), manages inventory thresholds, and alerts for suspicious activities. It works with all fixed readers that are supported by the Rifidi Edge Server. 10 readers are supported out of the box, additional reader support can be added for 5% of the base price.



Transcends LLC  
855-707-0002

info@transcends.co  
www.transcends.co

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### Work in Progress:

Monitoring the progress of a manufacturing process is essential for any factory. While some high-tech shops have sophisticated equipment connected to each other recording every single step of the process, many plants also rely on human interaction for moving goods from one station to the next. Some goods might sit too long at one station, some might erroneously be routed backwards or to a wrong station, delaying production and causing unnecessary cost for searching goods by workers.

The RFID enabled Work in Progress Monitoring system uses a rule based system to monitor movement of goods, recording the stations where an item is seen, alerting the supervisor when an item has been sitting at a station for too long, an item is routed to a wrong station (backwards or out of order), or a station is overloaded / underutilized. The system also fulfills auditing requirements.



◀ WORK IN PROGRESS

For more technical details please see:  
[www.transcends.co/solutions/business-solutions](http://www.transcends.co/solutions/business-solutions)

Transcends is committed to support and expand the Rifidi community. We drive the Rifidi development, help enable the industry to build the Internet of Things and connect it with people.

With more than 65,000 downloads in over 140 countries, an active community, partner and customer base, Rifidi is globally the most used RFID software platform in the market place.

For more information, please visit [wiki.rifidi.net](http://wiki.rifidi.net) or [forums.rifidi.net](http://forums.rifidi.net).



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