

Get Meaningful Information with RFID



Would you like to track information such as recycling participation, collection times, or container location?

▼ Manage Container & Collection Data Using Standardized Technology *Otto's Res-CT Program*

Otto's RFID residential container tracking system, or Res-CT (pronounced "receipt") system, uses the latest technology in software, hardware and RFID tags to provide you a closed-loop solution that can supply you with meaningful data at your fingertips.

Whether you are starting or modifying a recycling program, or are trying to get a better handle on your container fleet, our Res-CT system is flexible and modular. Otto uses EPC Global Gen2 RFID tags, which contain standardized technology used by the retail, shipping and automotive industries. These tags can be used with any standardized hardware and software on a worldwide basis. This means your tags can be used for years to come as hardware and software advancements emerge, protecting you from expensive upgrades in the future.

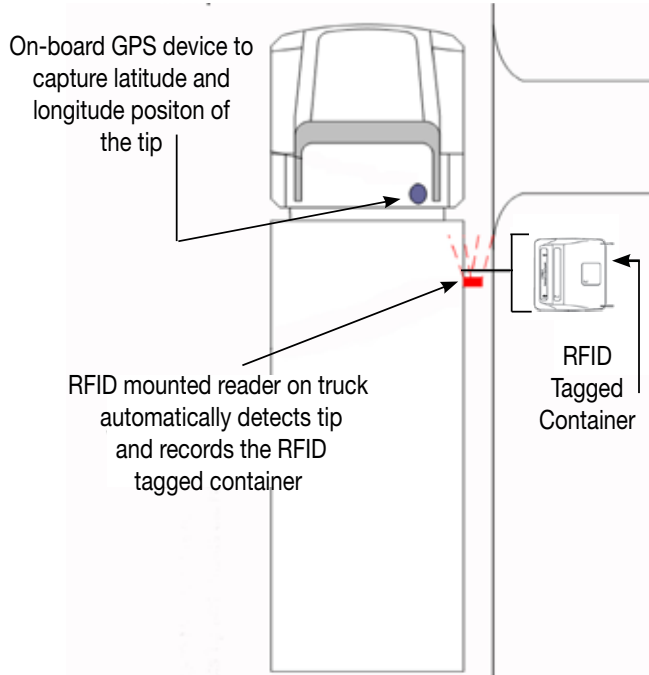
Do you have a routing system in use? Do you use proprietary billing software? Otto's Res-CT program can be integrated into existing software applications so that the data captured can be imported into them, creating seamless results for you to provide to your customers and operations.

Otto's Res-CT program is a proven system in both small and large operations and your tool in taking your waste and recycling collection to the next level.



RFID Solutions For Container Tracking

▼ Overview of Res-CT Equipment



▼ How the Res-CT Program Works

1. At our facility or during a field retrofit, Otto will install UHF Gen2 RFID tags in or on your carts.
2. Otto will provide the hardware and software that your trucks and office need to read the RFID tags while on their routes. This may include:
 - RFID readers on each truck;
 - RFID antennae on trucks;
 - GPS devices;
 - Computers -- laptop or handheld -- that are MS Windows® compatible;
 - Data exchange media such as WiFi, cellular, or jump drive.
3. Software is installed at your home office to integrate the data captured on each truck.
4. Our team of RFID software and hardware experts will work with you to reach the goals you are trying to accomplish. Whether it is as simple as collection verification, or as complex as measuring recycling set-out rates over time, Otto provides solutions that adapt as your objectives change.

▼ Reporting Tools

Collection Verification

The Res-CT RFID program includes our proprietary, user-friendly Tag Mapper™ software for tracking routes and mapping collection points by residence using Google Earth® in conjunction with GPS technology. Tag Mapper also provides data reports that show tipping transactions, set-outs, and whether a cart is misplaced.



Capturing Container Transactions

If you are using Res-CT for container delivery, replacement or repair confirmation, this information can be captured in the field at the residence receiving the service. Opting for handheld computers allows your staff to read the RFID tag onsite, ensuring that the action is recorded immediately. Once this data is recorded, reports can be generated on all transactions of the container or the residence.

Tag Mapper™
Spreadsheet Sample
Reads By Date

Type	Account	Date	Status	Street	Latitude	Longitude	Date	Status
Cart Tip	JAB 00000	08/21/09					08/21/09 0:10:48 PM	OK
Cart Tip	JAB 00000	08/21/09					08/21/09 0:10:52 PM	OK
Cart Tip	JAB 00000	08/21/09					08/21/09 0:10:56 PM	OK
Cart Tip	JAB 00000	08/21/09					08/21/09 0:11:00 PM	OK
Cart Tip	JAB 00000	08/21/09					08/21/09 0:11:04 PM	OK
Cart Tip	JAB 00000	08/21/09					08/21/09 0:11:08 PM	OK
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Cart Tip	JAB 00000	08/21/09					08/21/09 0:11:16 PM	OK
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