

R. Moroz Ltd./Action Trailer Sales Asset Tracking/Inventory Tracking

Case Study



Wavetrend Channel Partner

R. Moroz Ltd. provides bar coding and RFID products and services to customers in a wide variety of industries. As an RFID technology provider, the Ontario-based company offers a complete line of passive, low frequency, high frequency and ultra high frequency technologies, as well as active RFID systems. Through partnerships with software and hardware providers around the world, the company has positioned itself as the leading RFID solutions provider in Canada, and is focusing on increasing the exposure and deployment of RFID products and services globally.

Business Challenge

Action Trailer Sales, a utility trailer dealership with multiple locations in Canada, wanted to automate its trailer inventory system. In order to take an inventory of the 600 to 800 trailers at its main storage yard, employees walked through the 25-acre lot writing down trailer ID numbers and locations, then manually entered them into a Microsoft® Excel® spreadsheet. The process was prone to errors and consumed several hours each day.

Solution

Action Trailer Sales holds more than 1,000 trailers on four lots at its Mississauga, Ontario location. The company's manual inventory system, used for daily checks at the largest trailer yard, took too much time and was often inaccurate. If an employee wrote down or entered the wrong trailer number during this process, it made it difficult to locate trailers when they were needed. The company considered a bar code solution, but the harsh conditions of the open trailer yard would have rendered the labels unreadable.

R. Moroz Ltd. designed an automated system using its own software, 433 MHz Active RFID tags from Wavetrend, and mobile RFID readers.

Trailer tags are encoded using a Wavetrend tag programming device and a standard PC. For rental units, these tags are affixed to the front of the trailer with a special weatherproof plastic housing. Trailers meant for sale have their tags attached using a removable plastic holder that hangs on the front of the trailer, away from the metal surface.

To take a complete inventory, staff can now simply drive through the yard and read the RFID tags using a mobile computer from Psion Teklogix to read and record the trailer numbers. Data from the mobile computers is uploaded and integrated with Action Trailer's inventory system using software from R. Moroz.

The new system has cut several hours out of the inventory process, and almost entirely eliminated data entry errors. The company plans to expand the system to its Montreal facility in the future.

Results

- Eliminated data entry errors
- Increased inventory accuracy
- Saved two to three hours per day in labor
- Inventory process did not need to be overhauled in order to use RFID

Customer Comments

"There are no errors. There's no running around trying to figure out where a mistake was made. All of the tags are programmed with the trailer number, so we can drive through the yard and read the tags. It has greatly improved our speed and accuracy."

- Paul Sadler
IT Manager, Action Trailer Sales



RFID | ACTIVATING YOUR BUSINESS

WWW.WAVETREND.NET