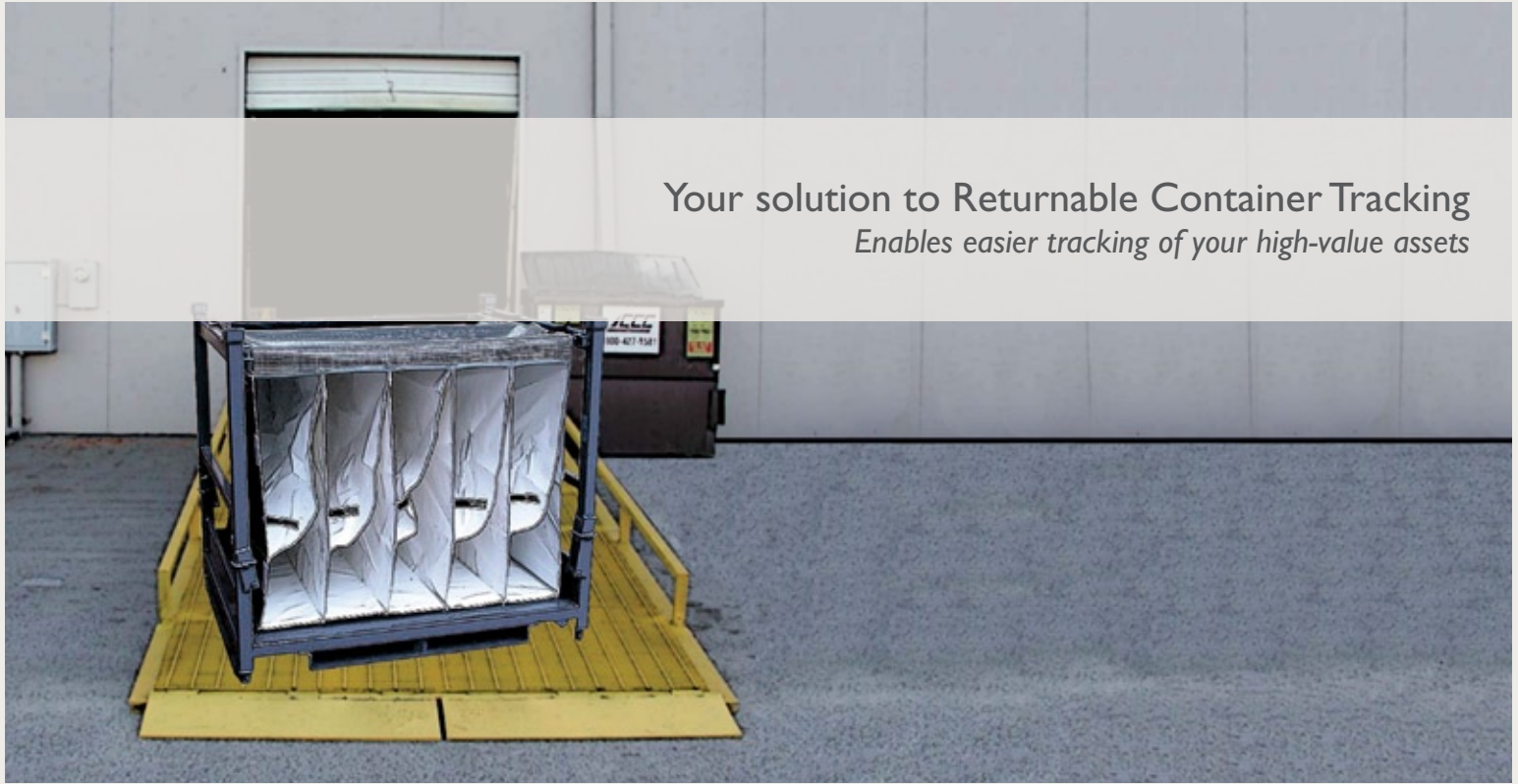




PlantTalk[®]: Container Track

A PlantTalk: MES Module



Your solution to Returnable Container Tracking
Enables easier tracking of your high-value assets

Datanational's returnable container tracking solution includes scanning/reading and capturing the unique Container ID with every shipment and scanning/reading them again as they are received back from the customer or another facility. Reporting and inquiries are available over the pre-selected timeframes to identify any containers that are still out in circulation past their usual return timeframe. This gives your company the ability to proactively contact your customer or your transportation company and check on the status of the container(s) in question.

Software Features

- Enter/update options for maintaining returnable container data
- Printing of uniquely identified barcode labels for containers
- Outbound and inbound scanning of barcoded container labels
- Reporting for containers present in the system by container ID
- Reporting for containers not received back after a user-defined number of days
- Supports a traditional scanning implementation or an RFID implementation (see back page)

Software Built Around You

Datanational specializes in design, development, implementation and support of complete solutions for your automotive shop floor. Solutions of this type require the skills to integrate the machines, tools and production report and alert systems with the communications equipment and ERP/MRP systems to inform and guide your shop floor staff. We have many years of experience and the know-how to successfully complete these projects on time and budget.



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RFID Solution Building Blocks

In an RFID implementation, the entire solution consists of several required and some optional solution areas. Besides the application software, there are several hardware components and professional installation services that enable a successful implementation. We have used both Intermec and Motorola hardware with success. We are listing Intermec hardware for illustrative purposes.

RFID (Radio Frequency Identification) Tags

The Intermec 915 MHz Container Tag is a high-performance durable product and one of the most versatile designs in the portfolio due to its consistent performance with a wide range of materials. Typical applications include pallet, carton and container tracking.



Fixed RFID Reader

The Intermec IF30 is a cost-effective, high performance fixed reader that reliably reads and writes UHF RFID tags in “RF noisy” environments. The IF30’s receive sensitivity enables large populations of tags to be interrogated at high speeds, which is critical to many use cases involving dock doors. In addition to reading tags at distances over 15 feet, it can filter tag data to prevent sending redundant information to the host.



RFID Antenna

The Intellitag RFID antenna family offers a variety of gain, polarization and radiation pattern options. This antenna is designed for fixed and some vehicle mount applications.



Barcode Printer

Barcode printers are used to print unique serialized barcoded rack (container) labels. In RFID applications, smart labels can be printed, containing an imbedded RFID tag for both visual and RFID detection. The images bellow show the front and back side of a smart label with a visible embedded RFID tag.



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