



RFID Product and Container Tracking

"Savings in the millions can be achieved when the right parts in the right amounts are located at the right place at the right time."

Is this some type of dream? No. It can be a reality with the correct technology in place!

The correct technology is our Intelligent Long Range (ILR) active RFID tags with a range of up to 300 feet. This allows you to stay informed on quantity and quality of your assets. You know where your goods are located, whether they are in the warehouse or are in transit. You can monitor the traffic and insure the goods arrive in a timely manner where they are needed.

How does this work? Nothing is hidden from our technology. Inconspicuous electronic databanks with transmitters, so called "tags" are mounted in or on an object. Information stored in these tags can be collected by readers (either portable or fixed mounts) via radio waves and new information can be written to the tags.

Tried and tested in the field. Special data transmission allows for the rapid, collision-free reading of many stationary or mobile tags simultaneously in a particular area. The specific minimal transmit power has no adverse effects on health, environment, or pocket-book. The minimal power usage allows tag operation for up to 7 years on the same battery.

Put your money on container management. With the proper setup, information about quantity, location and status of the contents of an individual container can be available at any time. Production receives on-line notification ahead of time, on-line, of what is on its way. Wastage, delivery errors and mistakes in loading are almost non-existent: search, idle, and downtime belong to the past.

Our product is RFID technology. It is simply identification via two way radio. The tags are like barcode labels that transmit their information instead of being read by a scanning laser beam. The barcode scanner in this analogy becomes the RFID interrogator, often called a reader. The interrogator has a two way radio that interrogates a tag. If the radio receiver in the tag hears the interrogator, it responds with its ID code and/or the specific information you have requested which resides in the memory of the tag.

Innovative Architecture: Our system architecture is based on a "speak when spoken to" concept. This significance of this is three-fold:

- "Thousands" of tags co-habit the same read zone with no interference problems because the tags are completely RF-quiet unless the reader tells them to reply.
- You can search for and establish communication with a specific tag. This allows data to be read from or written to an individual tag attached to a unique asset. You can carry serial numbers, recall dates, repair history, etc. "right on the tag". Furthermore, once the tag is awakened, its LED will start flashing as a visual feedback for the person looking for that asset.
- System performance is extremely fast. There is no waiting interval for the tag to respond. Nor do we have problems with RF collisions caused by multiple tags beaconing at the same time. Thus, we are able to read multiple tags at high speeds through the read zone.

"Our software Suite allows for seamless integration into existing business infrastructures. It is a powerful tool that enables you to uniquely configure automated wireless data capture for you environment by integrating RF data with Enterprise systems such as ERP and other Supply Chain Management applications."

