

## Testing, Testing 1, 2, 300 Degrees

Newsletter  
November 10, 2010

### RCD Launches Sentry-HT RFID Tag



RFID is relatively simple, but it isn't always easy. Take the healthcare industry, for example. The RFID applications are plentiful, but the requirements are becoming increasingly demanding. So when customers came knocking, for an autoclave tag that could handle the heat and chemistry of multiple sterilization cycles, RCD answered.

RCD Technology is uniquely positioned to address the complex requirements of a variety of healthcare applications. Rapidly developing, highly tolerant, reliable, hi-performance RFID tags, tailored for demanding applications, is RCD's field of expertise.

Autoclave presents a very harsh environment and it is not an area where many RFID developers dare to go. The temperature of an autoclave cycle can be between 230 and almost 300° F. These temperatures are enough to threaten the viability of most tags. Additionally, customers expect autoclave tags to last through numerous cycles. If the heat does not destroy the ordinary tag, the cycles will.

RCD's **Sentry-HT** tag is specifically designed for superior performance when attached to metal assets that are placed into the harsh chemicals and temperatures of an autoclave machine. The tag can withstand numerous autoclave cycles without affecting the 10 foot read range with a fixed reader. To meet the autoclave heat and cycle requirements RCD designed a unique tag. Built on an aerospace certified substrate, the RFID component and its interconnects with the antenna are encapsulated with temperature and chemical tolerant materials.

But don't ask RCD, ask ODIN Technologies who has recently tested our Sentry-HT tags for use in the hospital environment. As reported by ODIN in their [blog](#), "RCD has run these tags through hundreds of cycles of autoclave simulations at temperatures up to 300° F. With our guidance, one of our healthcare clients has tested these RFID tags to stringent FDA standards for autoclave and chemical bath sterilization processes with no discernible performance degradation. This is remarkable considering how relatively new the concept of metal mount tags is, and



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then adding the autoclave requirement on top of it. "

Every element of the Sentry-HT was selected to withstand the high temperature, pressure, and chemicals of the sterilization processes. The Sentry-HT, has already proven to be a durable and highly capable tag, thriving throughout various third-party testing scenarios.

For more information on the autoclave application, please contact **RCD Technology** and inquire about our Sentry-HT tag.

## RCD Hires New Sales and Marketing VP



RCD Technology has hired Phil Koppenhofer as the new Sales and Marketing Vice President. Phil is responsible for driving sales initiatives, overseeing customer and partner relationships, and managing the marketing strategy for RCD. He brings with him more

than 20 years of technical knowledge, industrial sales expertise, and marketing experience. To learn more about Phil and the rest of our team please click **here**.

## About RCD Technology

**RCD Technology** has several achievements to which they stake claim including: sole provider of RFID inlays to the U.S. Government for the WHITI passport card, leading the market for emergency evacuation with UHF wristbands; and the most recent announcement, its worldwide Sentry-M (WW) tag, which Sun Microsystems plans to use to help customers track their IT assets and comply with regional legal requirements.

### Subscriber Services

If you need to update your RCD Technology subscription profile, please email **kweir@rcdtechnology.com**

**Sincerely,**

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## **Ask The Expert**

**Have a question about using RFID? Submit your questions to our Chief Technology Officer Bob Oberle.**

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