

CEO Note: Errors Happen. Does Your RFID Solution Fix Them?

A Series of Messages from our CEO... Jo Major



"It is a law of physics that everything that is not prohibited is mandatory. Errors are thus unavoidable. They are everywhere: in language, cooking, communication, image processing and, of course, computation. Mitigating and correcting them keeps society running.

Error correction is one of the most fundamental concepts in information technology. Errors may be inevitable, but they are also fixable."

Scientific American, May 2022, Volume 3326, Number 5

RFID Doesn't Guarantee 100% Accurate EPC's



Today's RFID has **no ability to correct tag errors**. Does it matter?

- Confusing blue socks and a pink shirt once in a while – not so much . . .
- Mixing up aircraft components, pharmaceuticals, structural elements, ammunition type
 - Can be **catastrophic or deadly even!**

Causes?

- Tags **damaged** in the field (tag flexing, physical impact, etc)
- Environmental memory **failures** (radiation, thermal cycling, etc)
- **Normal** tag aging

What happens?

- You read **erroneous data** and **don't know it**:
 - Tags appear that **shouldn't exist**
 - Inventory goes **missing** or is **counted wrong**
 - Control **systems fail**

SensThys EPIC technology:

- Automatically **detects and corrects** EPC's with up to ~ **5% data corruption**
- **Confirms** data integrity
- Enables **long-term** and **high-reliability** applications
- Guarantees you know **statistically** about your data



EPIC
Intelligence Within

With SensThys, RFID can be used in applications requiring high data reliability and extreme tag lifetimes.

Want Details On This Technology?

Learn more about **EPIC**

What is EPIC?