

# Are You Ready for RFID Tech?

The Benefit Of Implementation In The Logistics Chain From The  
Prime Industry To The Point Of Destination

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**Security Seals Manufacturing**  
**Tuscany Italy**

**[www.securitysealsandmore.com](http://www.securitysealsandmore.com)**

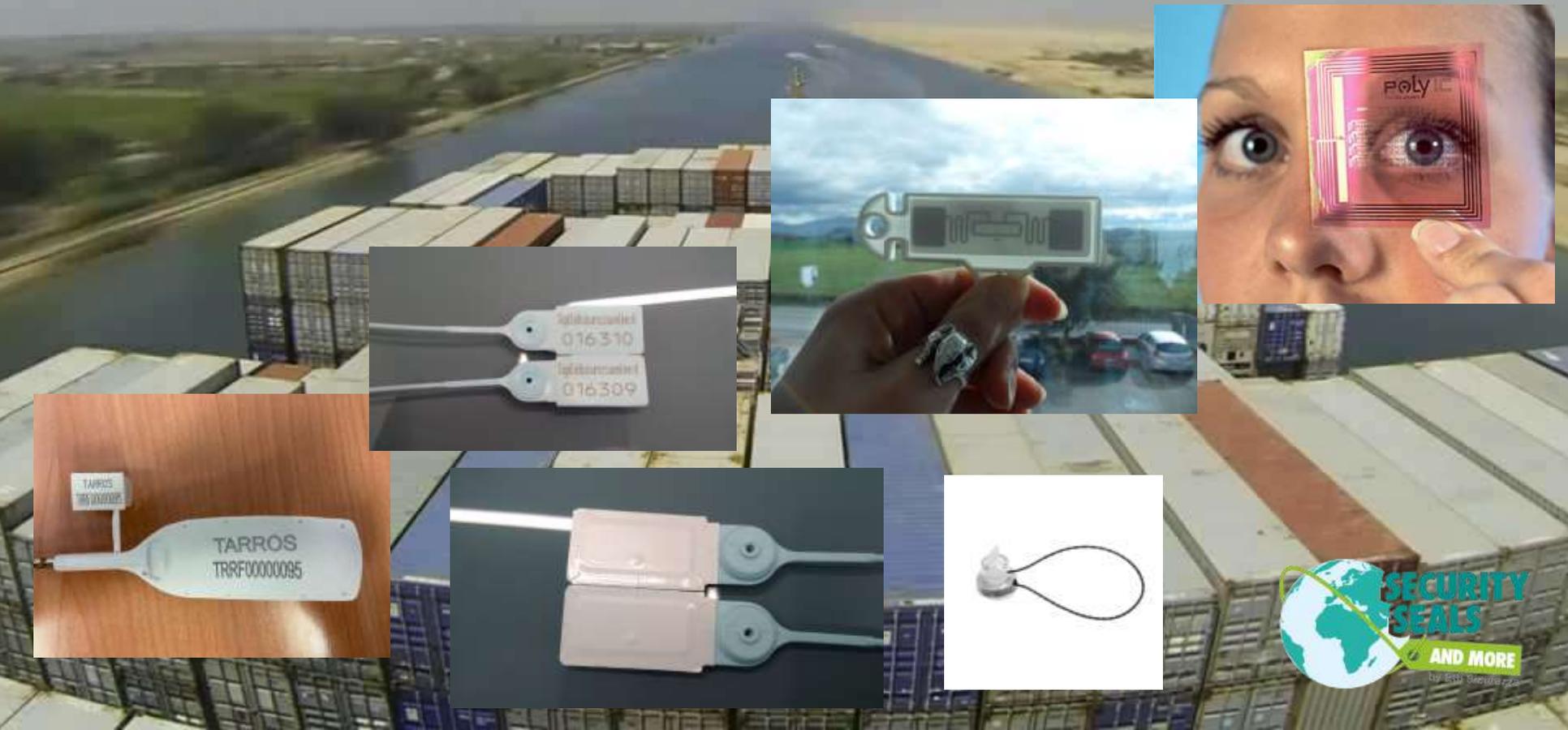
**ETTI SICUREZZA is a manufacturer based in Italy that manufactures security seals and other security items with a specialization in RFID. We are the final ring in the logistics chain, one of the most important in the logistics chain.**

**With a new range of products produced with 30% recycled plastic**

**Such as our TINTORETTO UHF RFID BOLT LOCK SEAL**

**Certified by PCR «Plastic Second Life»**

**The cost of these items is progressively decreased 200% in the last 10 years**



**Depending on the type of transport, sometimes to use traditional security seals is not enough, the chain of theft and tampering is increasingly complex, thieves are increasingly organized. So sealing is not enough. Among the various technologies we can use RFID and traceability systems depending on the need to know the exact moment when the tampering took place. RFID helps the whole process**



# RFID technology born before barcode system

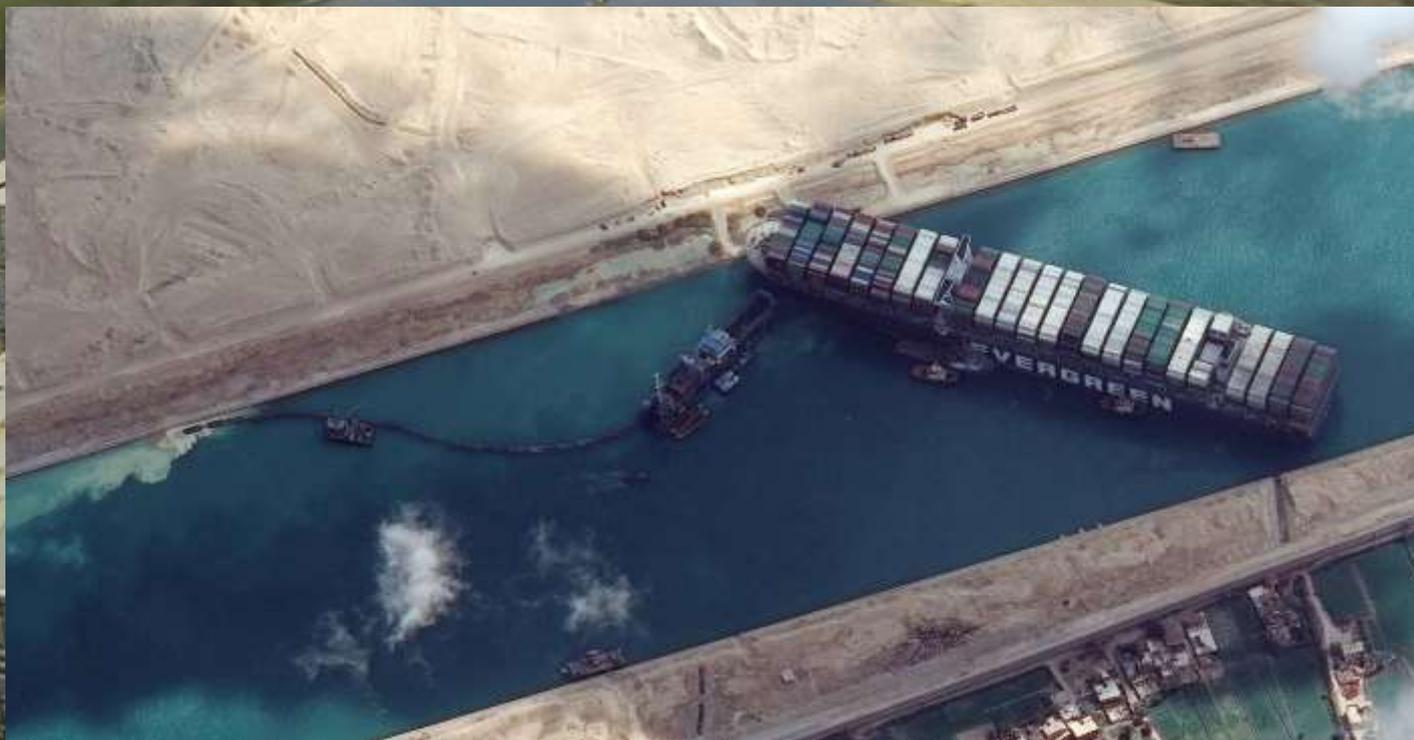
During World War II, it was rather difficult to distinguish between allied and enemy planes.

A signal was created by radio frequency, the primary need of which was to obtain a high level signal of identification in order to minimise the risk of an allied aircraft being shot down.



**More than 400 ships remained grounded in the Suez Channel and it was a challenge to receive shipment of containers at the scheduled timeframe**

**Automating the procedures would have been the best solution to curb this challenge including the management of customs procedures. Perhaps in the near future a new version of the TINTORETTO Bolt Seal will feature new tags to allow important data to be accessed from a mobile phone.**



Here is an example that keeps the process complete:

Tintoretto has three-state model UHF RFID: opened/closed/tampering that allows the whole system to function. Shippers who wish to participate will be able to access the software via mobile readers to help speed up the logistics process

After if the seal is opened the reading indicates its open state along with the numbering of the date and the hour of its closure and (if provided) the name of the person involved. When it is properly closed, the reading is normally done

If the seal has been tampered, the reading will indicate its status together with the date and time of which the seal has been tampered.



# *A pilot project*

- *The first phase concerns "A PILOT PROJECT" that is a small part of the final project is developed in order to introduce the customer to this technology and refine it for the final project.*
- *It is not very easy at the beginning to understand the customer's needs, so we try to receive a "specification" with the indications on what the process has to do!*



Do you know anything about RFID or automation technology for logistic chain?

Can it be used throughout the logistic chain?

Thank you for your attention keep safe

Bruna Ferretti

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