



# Identity of Things

Real or Fake?!

15.09.2019





Source: New York Times





## Economic Damage

€ 54,5 Billion

Konsum

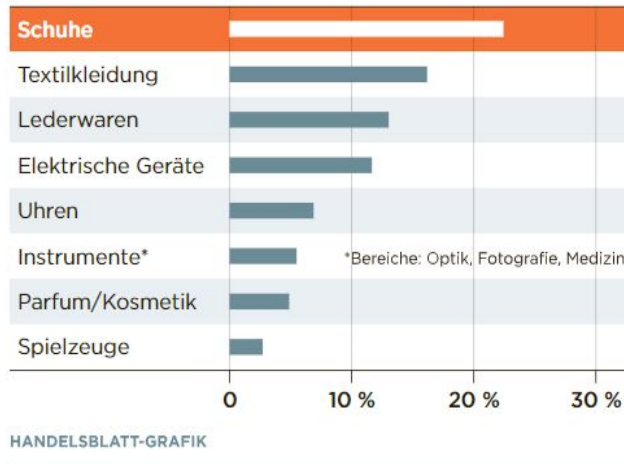
China führt

Woher?

Was?



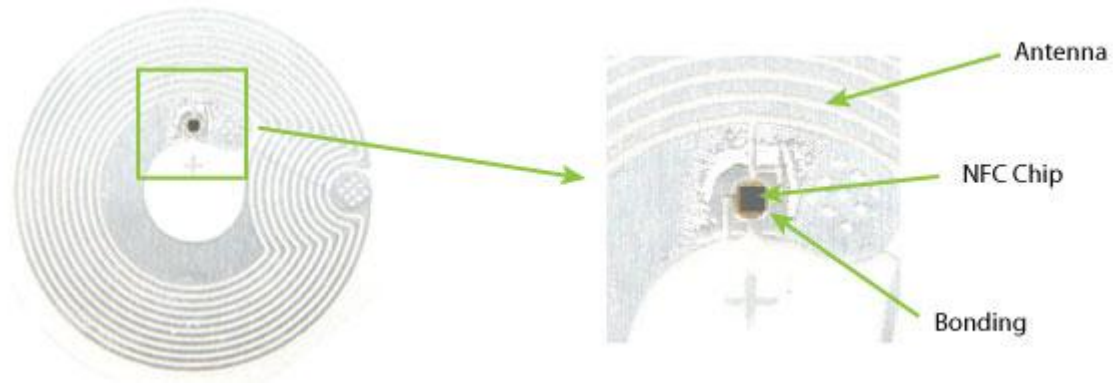
### Häufigste Fälschungen



[aeternity.com](https://aeternity.com) | [@aeternity](https://t.me/aeternity)



[kryptokrauts.com](https://kryptokrauts.com) | [@kryptokrauts](https://t.me/kryptokrauts)



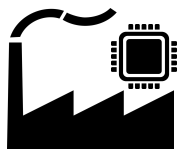
**COMPACT**

**CHEAP**

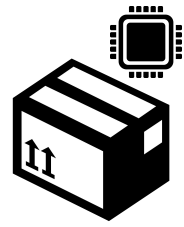
**BATTERYLESS**

Process proposed by  
Common Criteria EAL5+

Manufacturing



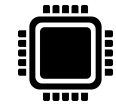
Key Generation



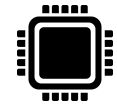
Compute



Personalise



Activate



Production

Pre-personalisation

Package

Personalisation

Customer

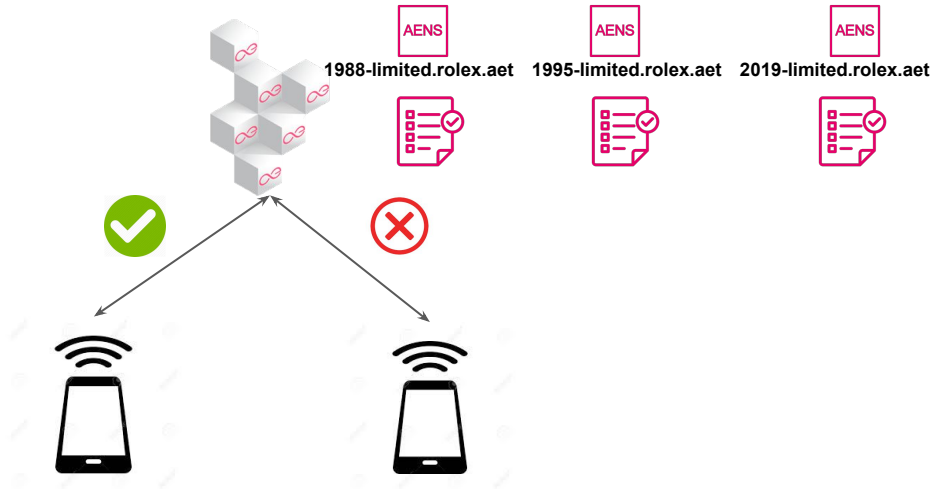
# Provisioning Process





1. read publicKey
2. smartphone generates random message
3. ask watch to sign the random message

IDENTIFICATION



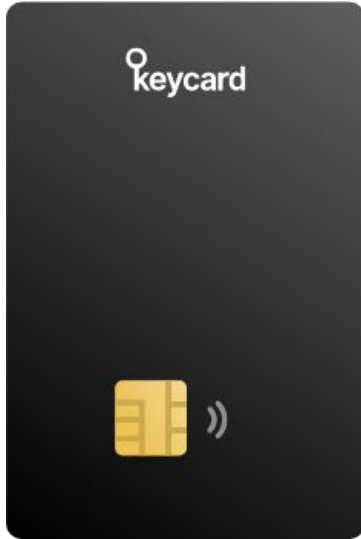
- call verifyItem-function of smartcontract:
- publicKey
  - message
  - signature (from identification process)

VERIFICATION

## Verification Process



# Demo



Using KeyCard by status.im  
**@keycard\_**



# aeternitys advantages



## AENS

- access contracts through domain names
  - 2019-limited.rolex.aet
  - 2019-limited.louisvuitton.aet

## Generalized Accounts

- sign transactions using KeyCard (or other JavaCards) by using ECDSA based signatures instead of Ed25519



## Functional SmartContracts

- functional and secure SmartContracts with useful built-in functions like verification of ECDSA based signatures



# Customer Segment



**Luxury  
Goods**

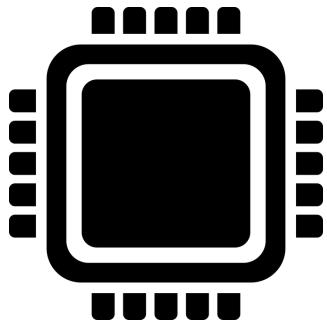


**Medical  
Products**

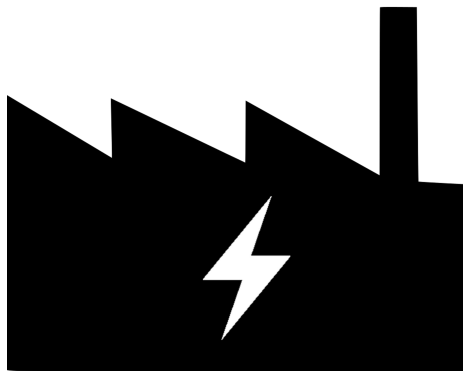


**Supply  
Chain**

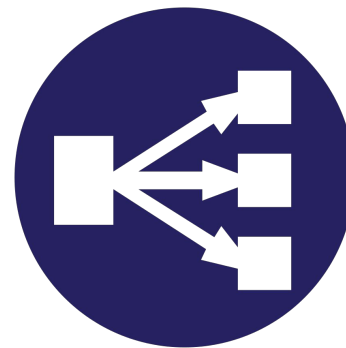
# Revenue Stream



**Hardware**



**Personalisation**



**API Services**



# Any questions? Contact us! :-)

- [@kryptokrauts](#)
- [@marc0olo](#)
- [@nandanito](#)
- [@hayku06](#)



# Make Brands Original Again!

