

ISTITUTO POLIGRAFICO E ZECCA DELLO STATO

Anticounterfeiting and Traceability Solution

Power of Physical and Logical security coupling



IPZS Overview

- Established in 1928 (Kingdom of Italy)
- Merged with the Italian Mint in 1978.
- Joint-stock company since 2002
Sole shareholder: Italian Ministry of Finance

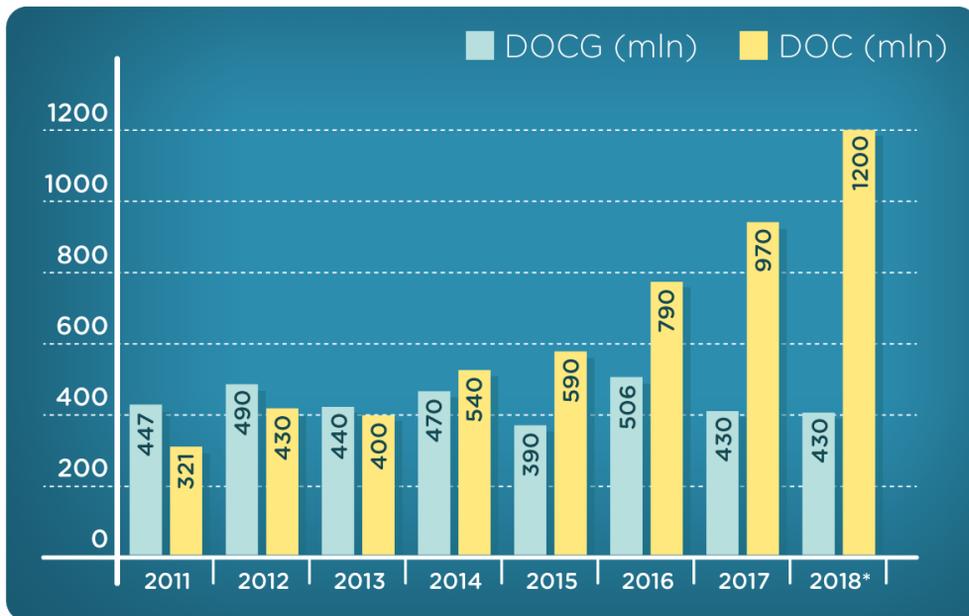
Develops and supplies **products, services** and **solutions** containing «value» for the Italian State and Administrations:

- A manufacturing and industrial company with consistent experience in several production areas
- R&D, creative design, leading edge technologies and project management capabilities on behalf of community interest



- Common Printing
 - Security and traditional printing
 - State Mint
 - Mint Museum
 - School of the art of Medal making
 - Multimedia
- Blanks and engineering for coin production
- Paper mill and Security products

Wine Seals Market Scenario



Physical security

Physical devices designed and developed with hi-tech materials to counteract illicit replica and to secure authenticity:

1. Watermark and special inks
2. Polycarbonate
3. RFID tags
4. Holograms



Logical check

In addition to the **physical** safety features, the product is also identified by:

- **serial number**
- **control code**

The **correlation** between the two codes is the key that guarantees the **tracking** of each single seal, **from production to delivery**.

This key also allows, by accessing the **dedicated information portals**, to verify the presence of the seal in the tracking database, the possible inclusion in the **blacklist** and to check other available information.

control code
generated by IPZS
algorithm

sequential
alphanumeric
code



Information exchange



An example: TrustYourWine

Authenticity: instant check of the seal throughout the correct coupling between serial number and control code

Traceability: History of the product via identification based on unique seal code





ISTITUTO POLIGRAFICO E ZECCA DELLO STATO