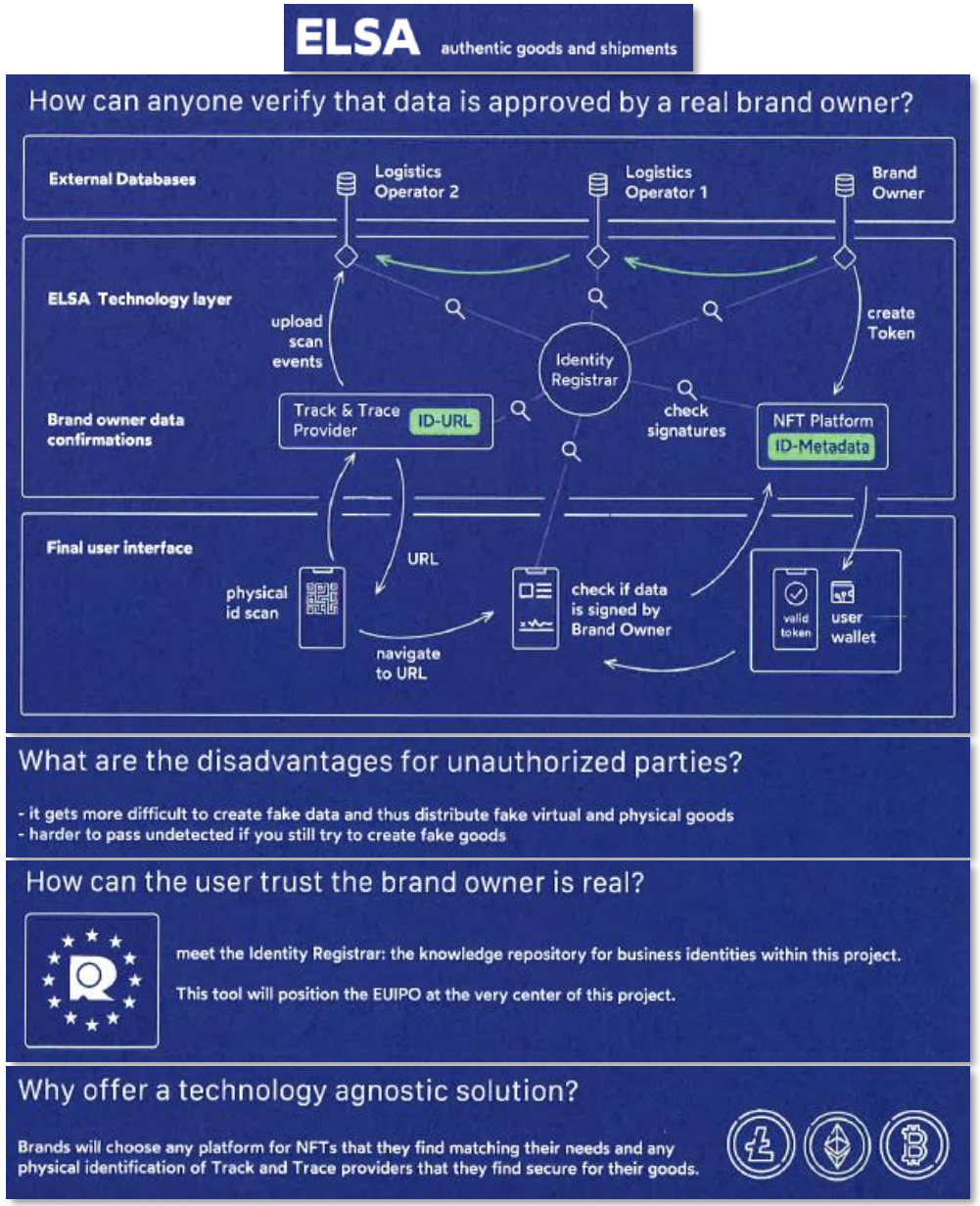
WINNING DESIGN HIGHLIGHTS



ELSA: a versatile and innovative open source blockchain infrastructure design aiming to ensure sharing of authenticated shipment and product data through the supply chain, with the objective to disincentivise the creation and distribution of fake goods.

Highlights:

- Targets the real problem of data sharing and lack of trust between supply chain stakeholders
- Brand owners (EUIPO) at the core through the Identity Registrar
- Protects commercial information while allowing inspection (selective disclosure)
- Focuses on logistic data supported by current standards (IATA, GS1, …)
- Data exchange for a shipment notarized in any blockchain through single use seals
- Flexible technology choices for use case customization:
  - Product ID serialization
  - Track & Trace provider
  - NFT Platform (digital twin management)
- Open source and industry grade standard technology (pilot-ready)
- Low adoption barrier: API compatibility layer for Logistic nodes
- Potential to evolve along with standardization (i.e. ESSIF, EBSI)
- Potential to integrate with EUIPO tools (IPEP/IP Register in Blockchain)
- GDPR compliant (no personal on-chain data)