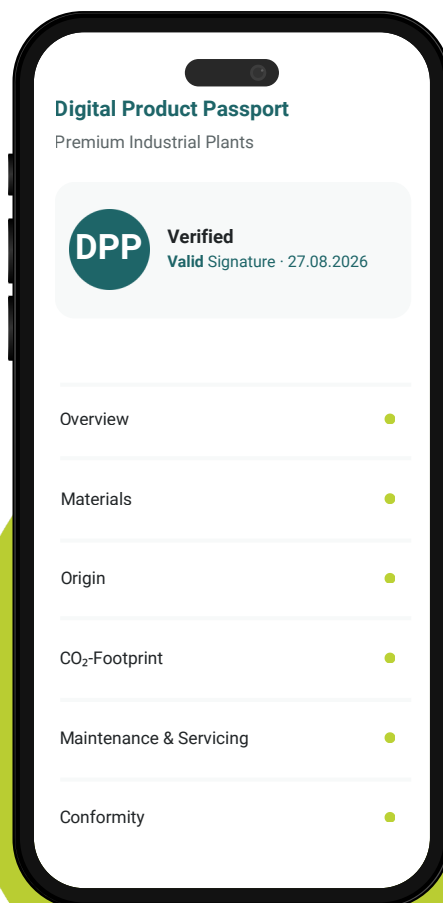


Digital Product Passport and Digital Declaration of Conformity in the Wallet

Trusted Product Data for All Stakeholders



Introduction

The Digital Product Passport (DPP) and the digital EU Declaration of Conformity (DoC) are evolving into mobile trust anchors.

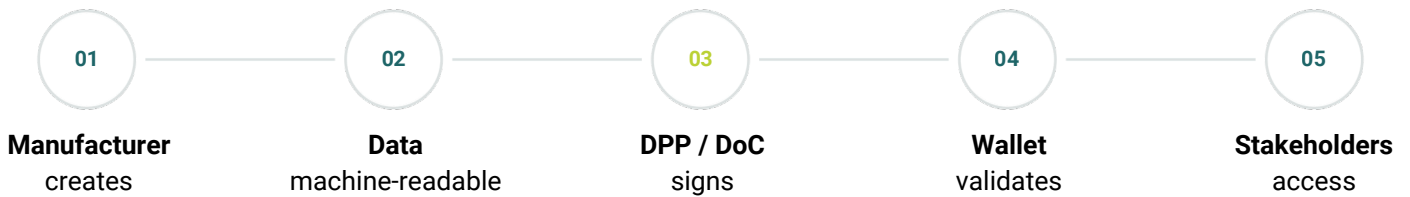
The DPP and digital DoC can be provided not only via static QR codes, but also directly within digital wallets. This approach enables the secure, user-centric, and role-based provision of product data—eliminating media discontinuities and ensuring maximum trustworthiness.

- 1 Trust**
Cryptographically secured evidence
- 2 Control**
Data sharing based on role and authorization
- 3 Interoperability**
Verifiable Credentials (VC), ISO 18013-5, and the EUDI Wallet
- 4 Efficiency**
Automated validation and processes

Both document types are created on a product-specific basis, cryptographically secured, and can be stored and accessed in a wallet using decentralized identity standards (e.g., Verifiable Credentials, ISO 18013-5, EUDI Wallet). This transforms the DPP into a mobile trust anchor—always available, tamper-proof, and accessible to all relevant stakeholders.

Practical Implementation

The DPP and DoC are issued, secured, and made available in the wallet on a product-specific basis.



01

Issuance & Security

- DPP dataset and DoC as JSON-LD/XML.
- Qualified electronic seal or signature; optional timestamp.

02

Provision in the Wallet

- The wallet automatically validates the seal, signature, and timestamp.
- Data is provided based on the user's role and authorization.

03

Access & Interoperability

- Direct access via wallet, NFC, or product URL, as well as via API.
- Standards: W3C Verifiable Credentials (VC), ISO 18013-5, EUDI Wallet, GAIA-X/IDS.

Role-specific data sharing

Consumers receive sustainability and product information. Authorities view regulatory evidence. Service technicians obtain technical documentation. Systems access machine-readable datasets.

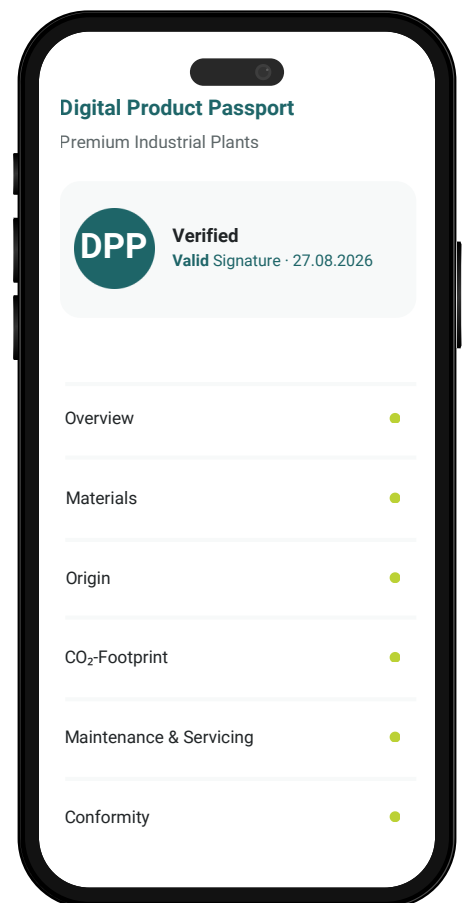
The Wallet

The wallet makes the DPP and DoC securely, mobilely, and user-centrally available.

- **Secure Storage**
Tamper-proof and privacy-compliant.
- **Easy Access**
All product information with a single scan.
- **Always Up-to-Date**
Data can be updated throughout the product lifecycle.
- **Share & Verify**
Share targeted information and confirm authenticity.

6 relevant Data Layers

Materials · Origin · CO₂ · Maintenance · Certificats · Conformity



DPP & Wallet

A real-world example from industrial application.

A manufacturer delivers a custom machine equipped with an NFC tag. The Digital Product Passport (DPP) and digital Declaration of Conformity (DoC) are issued as Verifiable Credentials and transmitted to the customer's wallet.

01

Delivery

The DPP and DoC are created, signed, and transmitted to the customer's wallet.

02

Commissioning

The service technician holds their smartphone to the NFC tag and opens the maintenance and technical data. At the same time, the digital DoC is unlocked for internal compliance verification.

03

Regulatory inspection

The authority's wallet automatically validates the signature and seal of the DoC. The inspector gains immediate access to regulatory evidence.

04

Customer communication

The private wallet provides sustainability, CO₂, and recycling information for end customers.

Result

No media discontinuities. No manual verifications. No separate documents. Every stakeholder receives exactly the information relevant to their role: secure, trustworthy, and automatically validated.

The future is transparent

Wallet solutions as a game-changer for the Digital Product Passport.

The integration of DPP and DoC into digital wallets is more than a technical advancement—it is a paradigm shift for product compliance.

- **Manufacturers & Platforms**
Reduced effort in providing and managing product data.
- **Authorities & Market Surveillance**
More efficient and tamper-proof inspections.
- **Customers & Service Technicians**
Easier, more user-friendly, and trustworthy access.



Mobile Trust Anchor

Ready for the circular economy, sustainability regulations, and digital supply chains.

