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DPP - DIGITAL PRODUCT PASSPORT
Electronic Industry

WHAT IS IT?

A Digital Product Passport (DPP) is a digital representation or record that provides comprehensive information about a product throughout its entire life cycle.

DPP is part of a legislation mandating the need of DPP for all electonics in EU by 2027

Open Standard
EU Ecodesign regulations provides strict Technical requirements for DPP

Free Access
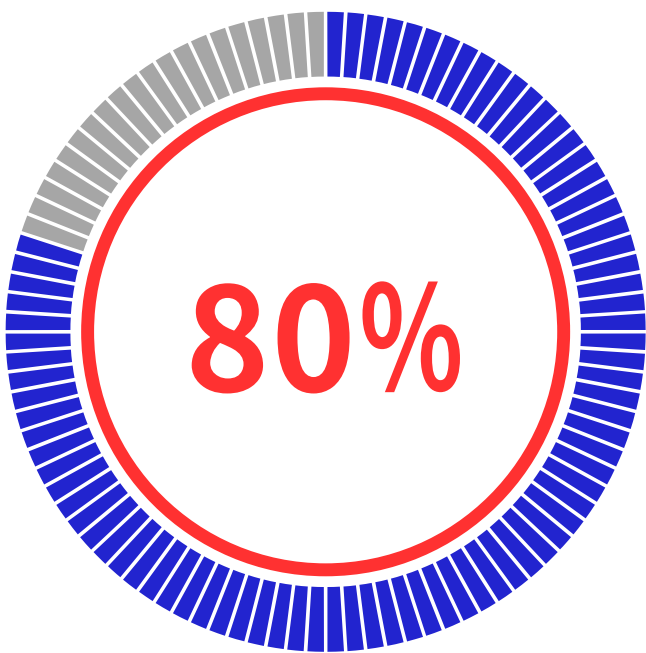Consumers should have free access to information in the DPP

Globally Transferable
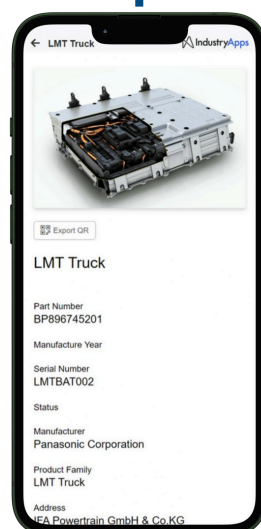DPP should be transferable and extendable along the value chain

Interoperable with other DPP solutions

80%

Who is Impacted?

Suppliers to the Semiconductor Industry in the EU with Headquarters outside Europe

- Electronic Manufacturers
- Component Suppliers
- Original Equipment Manufacturers (OEMs)

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DPP as a Service

AAS

DPP 4.0

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THE CHALLENGE

The implementation of a Digital Product Passports (DPP) requires a high level of contextualised data and digital maturity across the entire horizontal value chain. Currently, only a limited number of electronic manufacturers possess these capabilities.
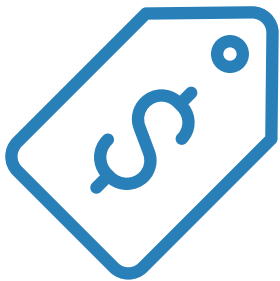
1

COMPLEX DATA COLLECTION

DPP requires granular data collection during manufacturing. Very few electronic manufacturers have this level of digital traceability

2

LOW MARGIN/ HIGH COST

Electronic components is a low margin business with high cost of supply chain. Digitally enabling the Electronic ecosystem with classical digitalization strategy is not practical.
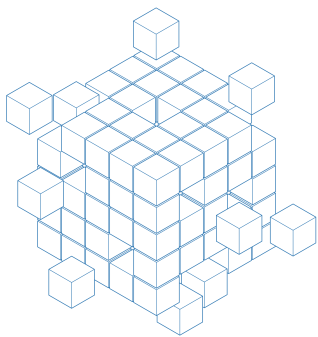
3

SHORTAGE OF SKILLS

90% of electronics components manufacturing is based in developing countries which may face skill shortages managing a comprehensive IT platform.

4

NEED FOR SOPHISTICATION

The electronics industry is characterized by constant innovation and high dynamics.
The necessity to combine a wide range of data, including components, recycling and reuse information in an individual Digital Product Passport (DPP) for each product, poses a significant challenge in terms of data storage and processing.
This underscores the need for a comprehensive platform approach rather than relying on individual point solutions.

5

NEED FOR SPEED

Achieving the requirements for a DPP calls for extensive global programs. The short time-line until 2027 requires actions to be initiated now to ensure minimal disruption.
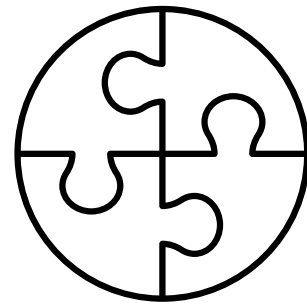
Steps for a compliant Digital Product Passport

PLUG AND PLAY APPROACH FOR DPP
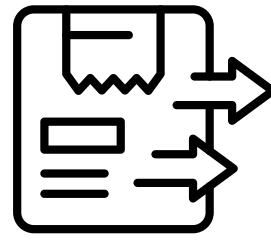
STEP 01

CONSOLIDATE YOUR DATA

The Digital Product Passport (DPP) requires a comprehensive list of data elements across your value chain. Initiate the process by digitally collecting this data to meet regulatory requirements.

STEP 02

INTEGRATE YOUR SUPPLIERS

Many of the data elements required for the Digital Product Passport (DPP) originate from suppliers. Adopt a Digital Ecosystem approach that empowers them to efficiently transfer their component's DPP.

STEP 03

PUBLISH YOUR DPP

Setup a DPP platform to consolidate data during production and publish them as part of your product labelling, easily retrievable for authorised customers via QR code.

STEP 04

DEFINE CUSTOMER SERVICES

Enhance your DPP beyond data sharing with add-on services for ordering, recycling or reusing.

Learn more at:

We make your Data work

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Concept

IndustryApps introduces an easy, Plug and Play platform strategy to fulfill your complex digital transformation demands.

FLEXIBLE & COST OPTIMISED APPRAOCH FOR DPP

- Open/ Dynamic Data Model
- Semantics in 15 Languages
- Edge/ Cloud/ Hybrid
- Add Services to the DPP
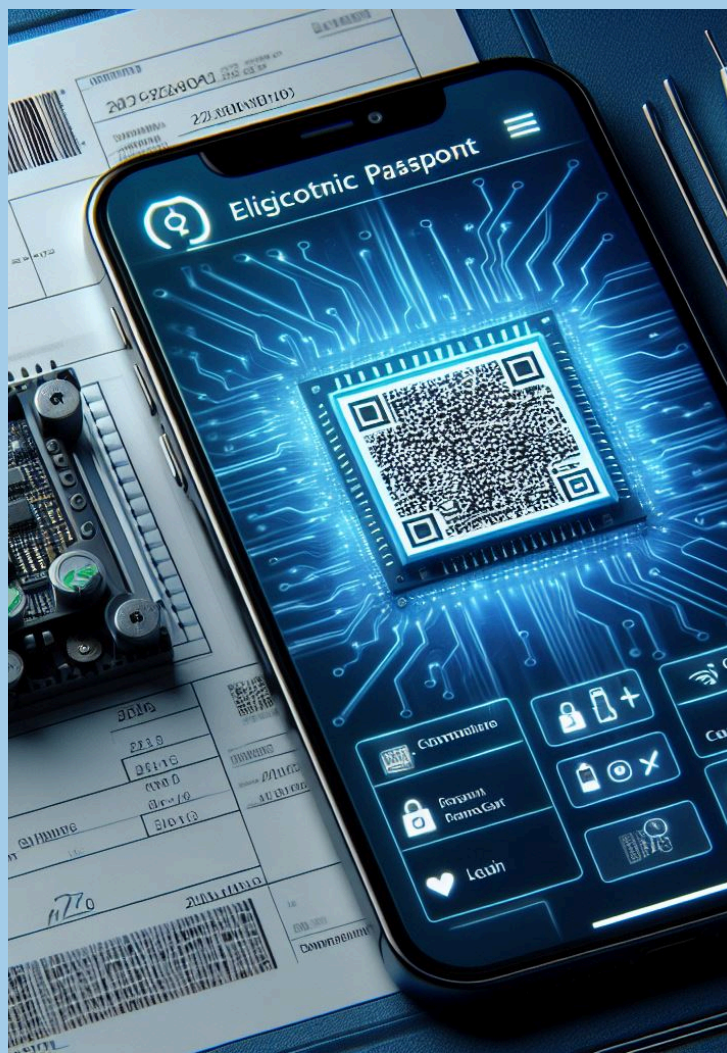- Integrate AI for new features
- Onboard your suppliers
- Use pre-build templates
- Build your own brand template

Contact us for your free Product Pilot

DPP as a Service is a fully managed private DataSpace for your Company. Simply subscribe to the DPP services with a transparent volume based pricing. No hidden cost, open standards, full data ownership.

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Pilot:
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