Digital Product Passport

New with DataCross

tec4U
Compliance Solutions

How you contribute to the Green Deal with the Digital Product

What is the Product Passport about?

The European Commission's Green Deal aims to reduce CO_2 emissions by 55% by 2030 (compared to 1990). In order to achieve this, the scope of the previous Ecodesign Directive was extended by the Ecodesign Regulation (Regulation (EU) 2024/1781; ESPR for short), which officially came into force on July 18, 2024. An important component of this is transparency towards authorities and the public.

The legislator therefore requires companies to create so-called digital product passports for specific product groups in future. In this context, tec4U-Solutions is already working with the leading protagonists of the automotive industry in the Catena X network on the creation of standardized data and information flows along the entire value chain to develop and trial Digital Product Passports: www.catena-x.net

Which tasks are you facing?

According to the new Ecodesign Regulation (Chapter III, Article 9), "products may only be placed on the market or put into service if a product passport is available […]".

The product passport, as per Art. 7 and Annex III ESPR, may include, among others, the following content:

▸ Disclosure of substances of concern
▸ Information for recoverers / recyclers
▸ Product and / or performance parameters
▸ Operating and repair instructions
▸ Legal compliance of the applicable product
▸ Identification of the manufacturer / the importer
▸ Warning or safety instructions

Depending on the type of product, the specific content of the product passport will be successively regulated in the coming years as part of delegated acts.

Substances of Concern		Recycling Information
Product / Performance Parameters		Safety Advice
Operating / Repair Instructions	DPP	...

How will DataCross support you with Eco Design?

Using DataCross, you can create a digital product passport based on existing function modules and internal company information. The passport serves to meet the statutory communication requirements. An even greater benefit of the Product Passport lies in customer communications. The DataCross Product Passport can for example be used to send (end) consumers the latest offers, safety advice and operating instructions.

In addition to existing documents (e.g. repair instructions, operating instructions, etc.), the DPP is based on information from the material compliance context (e.g. the presence of substances of concern in the product). The DataCross software has long been successfully used by companies to request declarations and documents relating to legal substance-related and environmentally relevant requirements from suppliers, and then analyze and manage them. In combination with the established modules confirming material compliance requirements and enforcing the Supply Chain Act, and with the new module for mapping the CO_2 footprint, many of the Product Passport's required contents are already realized in DataCross today.

How the Product Passport works with DataCross?

- You can conveniently compile data and documents from various sources, e.g. other DataCross modules or your ERP system and third-party systems (e.g. Catena-X).

- The data can be assigned to a product group or dedicated product.

- The Product Pass is typically accessed by scanning a QR code, meaning that the QR code contains a link, and you can individually decide who can see which information. This QR code can find various **uses on the products themselves, on the packaging, in operating instructions, in offers, in contract documents, …**

Structure of DataCross Product Passes

✓ **Header data**
✓ **Product description**
✓ **Safety advice**
✓ **CO_2 footprint**
✓ **Operating instructions**
✓ **Repair instructions**
✓ **Contact**
✓ **Material compliance**
✓ **Recycling**

To make these functions available to the user, tec4U brought 30 years of experience and expertise to bear on the app development. In addition to which tec4U Solutions will also support you in the individual formulation of Product Passports/Digital Twins, always in view of the available data and the structural and economic possibilities of your company.

Any questions?

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Do you want uncomplicated, tried-and-tested solutions for fast and economically viable success?
Get in touch with us! Sustainability is achievable!