

THE FIRST OPEN AND COLLABORATIVE DATA ECOSYSTEM

Enabling circular economy and sustainability through digital product passports

T · Systems



Carolin Tröster
Semantic Data Layer

Data integration, connection, and semantic mapping to dataspaces



Tekin Cagdas

Digital Vehicle file

Partner data integration into Digital Twins

BMW GROUP



Why we need to rethink our entire ecosystem

SUPPLY RESILIENCY



Ensure material flow...

SUSTAINABILITY



Provide real material and PCF data...

SYSTEMATIC COVERAGE

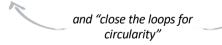


Create interoperability...

COST OF INNOVATION



Boost efficient innovation...



No market player can solve these challenges on its own!



Catena-X offers the solutions to tackle our challenges

Key facts 10 initial use cases with direct value contribution 1st Data space for automotive industry **Traceability** Circular Sustainability **Business Partner Data** Quality **Economy** Management Management 1st Data-driven value Chain via interoperability **Digital Behaviour** Modular Manufacturing **Online Control** Demand and Production as a Service (MaaS) **Capacity Management** Twin and Simulation ID 1st Gaia-X / IDSA SA compliant operating system **Catena-X Timeline**

2020

Initial concepts

2021

Start of Catena-X

Oct 2023

Cofinity-X Release

Aug 2024

Post consortia phase

Catena-X enables compliant collaboration through

one shared global Data Space



Why we need Digital Product Passports

Fulfill Regulatory Compliance

CHAPTER III - DIGITAL PRODUCT PASSPORT

Article 8 Product passport

The information requirements referred to in Article 7(1) shall provide that products can only be placed on the market or put into service if a product passport is available in accordance with the applicable delegated act adopted pursuant to Article 4 and Articles 9 and 10.

The requirements related to the product passport laid down in the delegated acts adopted pursuant to Article 4 shall, as appropriate for the product groups covered, specify the following:

Mandatory sustainability requirements to put a product on the EU market

Maximize Product Transparency



"Digital" data sharing with customers: Aggregate all relevant data in a digital product passport

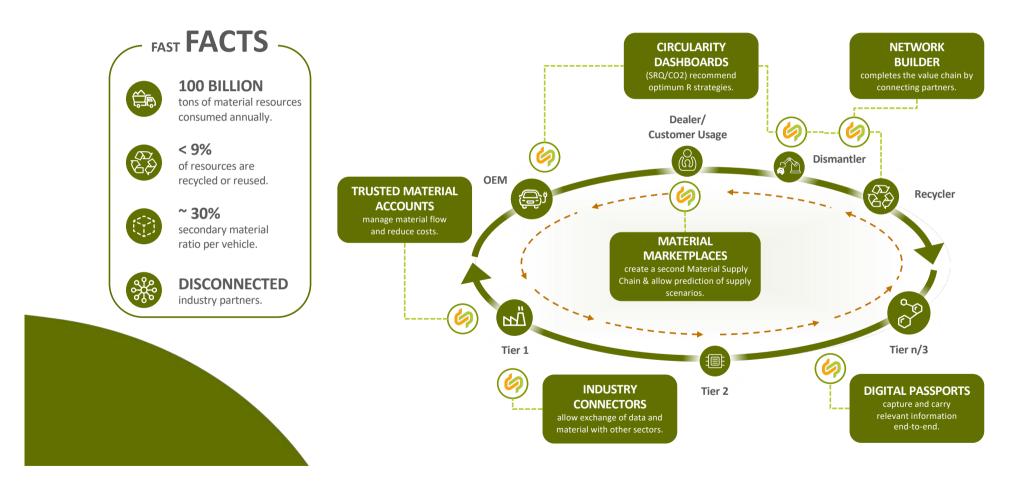
Enable Circular Economy



Leverage Digital Product Passports: Make decisions based on data available now

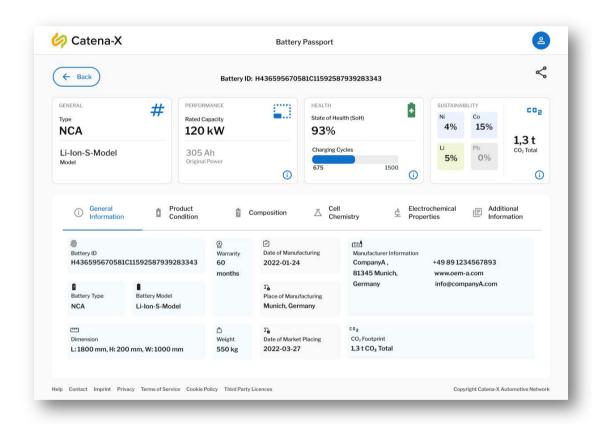


Digital Product Passports enable Circular Economy





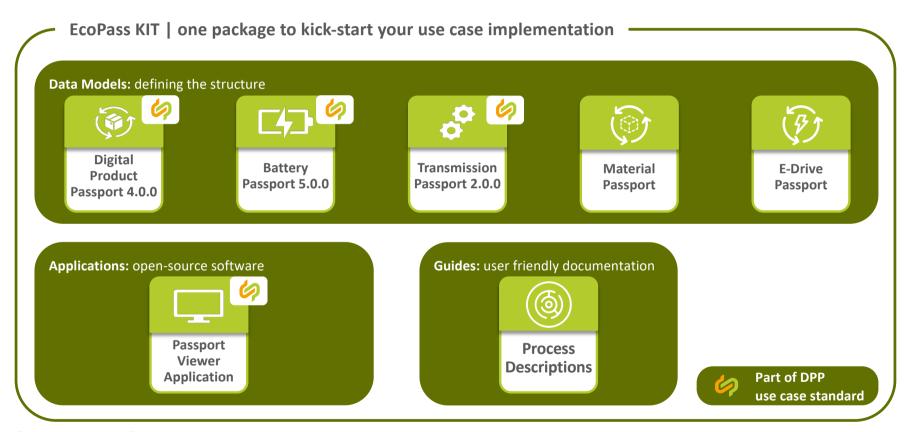
The Battery Passport. The first tangible "DPP 4.0"







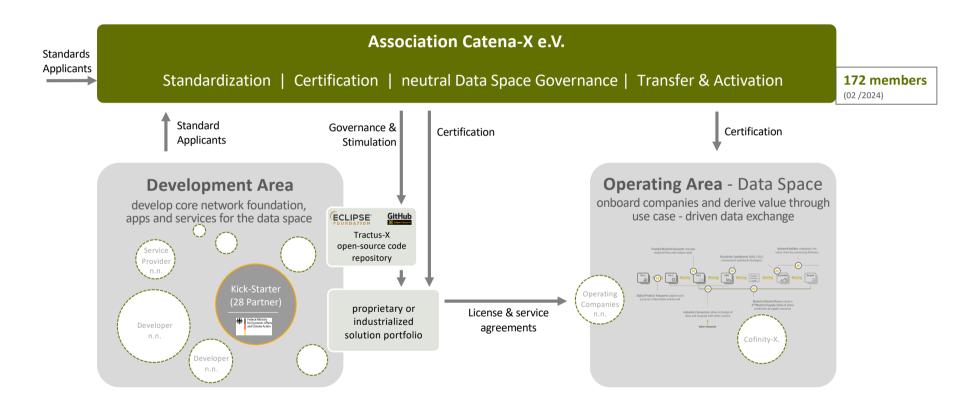
Our Circular Economy ready-to-use solutions



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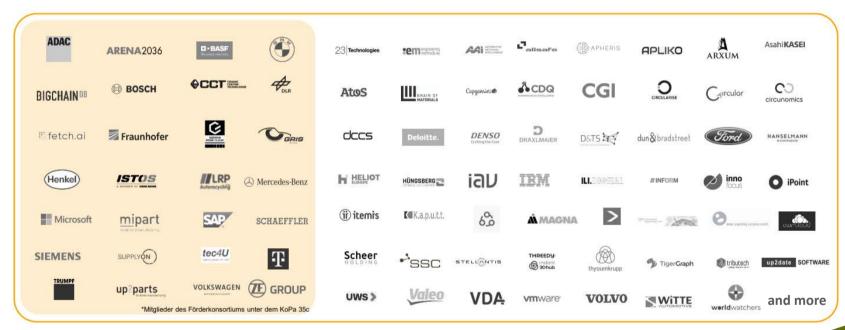


An organization to enable cooperation and trust





Join us because together we thrive



Full and up-to-date member list: https://catena-x.net/fileadmin/ online media /231012 1 CAT 007 Mitgliederliste DE.pdf