

Supported by



Federal Ministry
for Economic Affairs
and Climate Action

Catena-X

THE FIRST OPEN AND COLLABORATIVE DATA ECOSYSTEM

28.06.2023

INFORMATION WEBSEMINAR
„WE MOVE IT“, CVC SÜDWEST

Agenda



01. Introduction to Catena-X

02. Catena-X Automotive Network
How does it work?

03. Questions & Answers



Never Let a Good Crisis Go to Waste (W. Churchill)

RESILIENCY



“Today’s peer to peer networks don’t do the job”

EXECUTIVE AWARENESS

SUSTAINABILITY AND REGULATORY REQUIREMENTS



“Collaboration models needed to capture the entire value chain”

DATA ECOSYSTEM

GEOPOLITICS AND INNOVATION



“Sharing data is a matter of trust and sovereignty”

EUROPEAN VALUES GAIA-X

ECONOMICS



“Network adoption and inter-operability takes more than ONE”

INDUSTRY APPROACH



Taking the right turn

Towards, we (the industry) share mutual and pressing issues which we only can solve together.

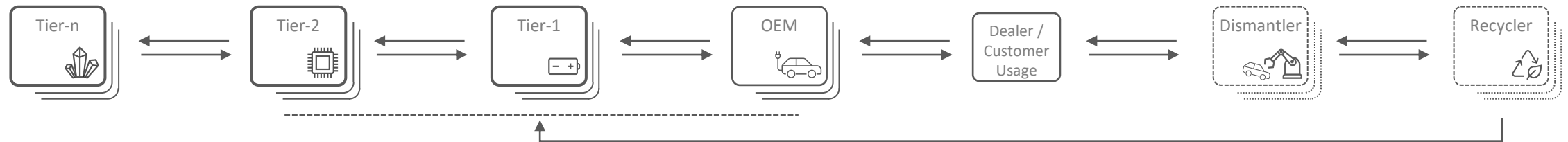




Catena-X value proposition

First time offer of a sovereign, multi-tier data exchange and use case collaboration across the entire value chain.

Optimization of „**our**“ industry value chain processes



- Addressing the **entire problem** (end to end workflow)
- **Creating flow** of information for all participants
- **Scaling** across the industry and beyond



Catena-X value proposition in action

Example “Circularity”: First time value derivation made possible by utilizing the trusted data space.

Fast Facts

100 billion
tons of material resources
consumed annually



< 9%
of resources are
recycled or reused



~ 30%
secondary material
ratio per vehicle



\$4 Trillion
demand for battery
materials up to 2050

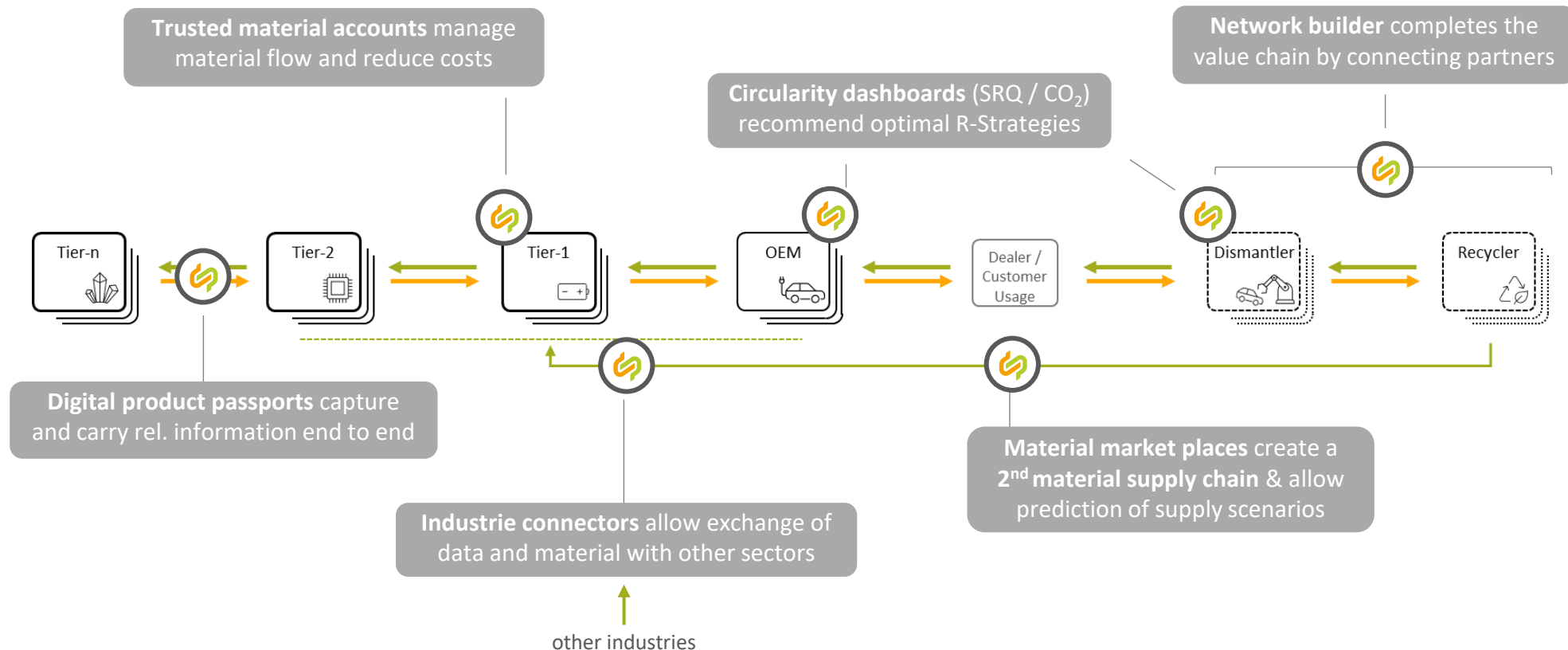


>30.000
to be connected industry
partners (to close loops)



Catena-X Standards & Artifacts (🔌)

Connect partners, streamline flow of information and create solution portfolio to enable scalable value derivation





What's in for me, as a company?

Catena-X focusses mainly on use cases; common GOALS. Every use case offers business value for adopters and solution providers. Catena-X is the enabler to capture these BENEFITS for all participants.



BENEFITS for each participant

Offer / gain digital **SOVEREIGNTY**

- **Data** - keep control over your data (usage policies, de-central, ...)
- **Services** - choose your provider from open markets (interoperability, ...)
- **Operations** - decide where your data is stored & operated (de-central, ...)
- **Identity** - self managed and trusted (SSI, use across providers / data spaces, ...)

Reduce time to **VALUE** and create positive business impact

- **Boost digital readiness** of your company via onboarding services
- **Empower your business via use cases** (e.g. share a service or collaborate)

Minimize **COSTS** for digital transformation and doing business, e.g.

- **Consolidate IT interfaces** (e.g. data exchange, global reach)
- **Share services** within the industry (e.g. golden record master data)
- **Capture synergies** between use cases (building blocks & network effects)

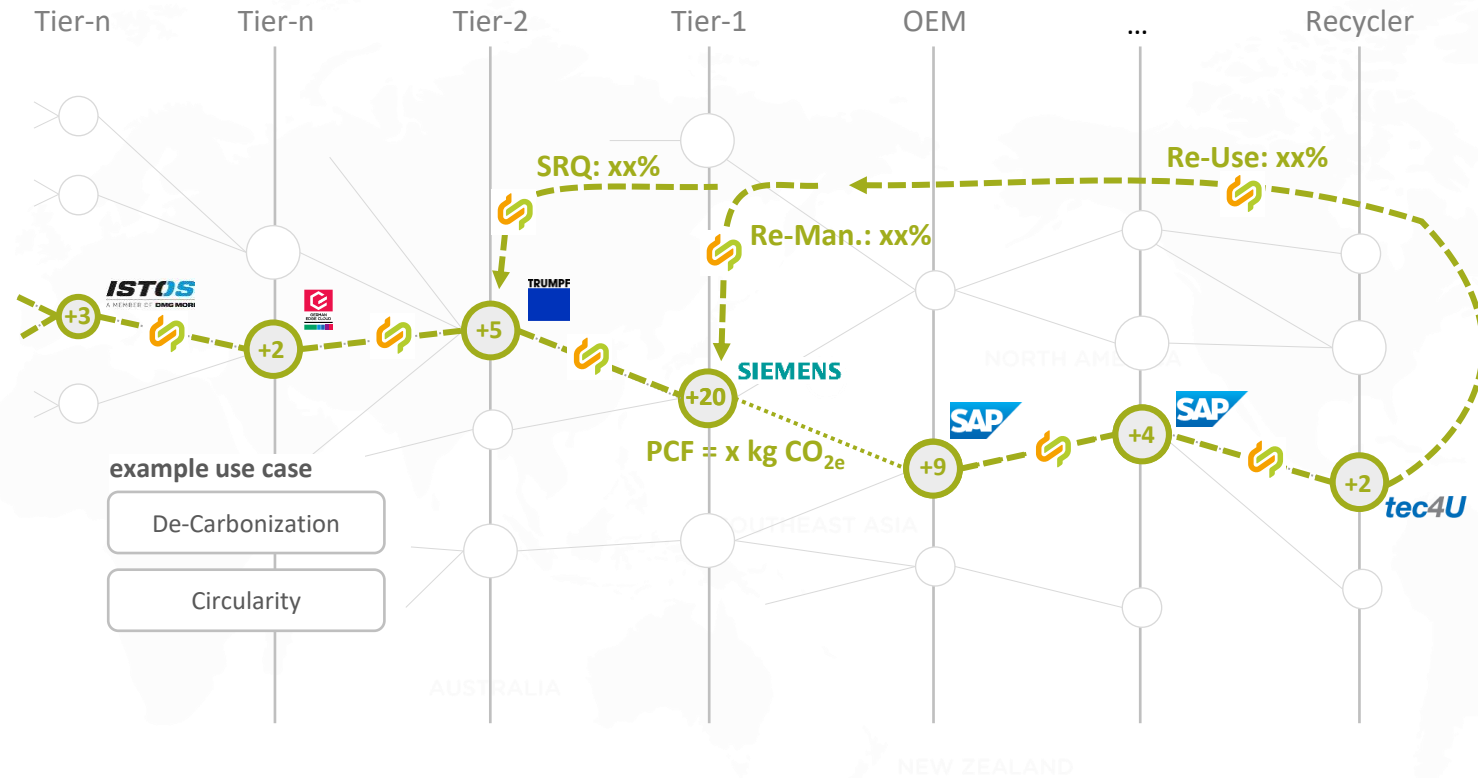
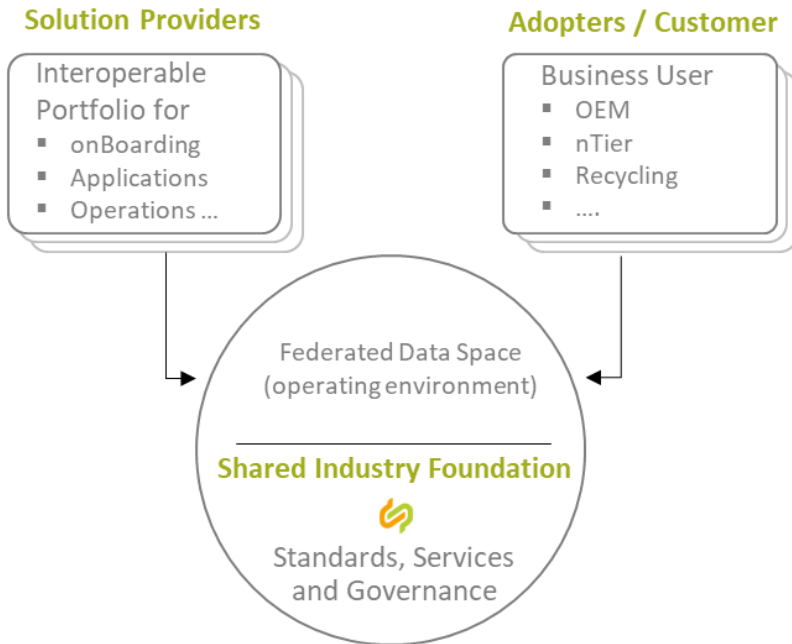
Foster **INNOVATION** and digital transformation

- **Enter new value pools** and gain competitive advantages



Building data chains via interoperable solution portfolios

Catena-X **SOLUTION PORTFOLIOS** allow providers to offer e.g. interoperable services for dedicated use cases.

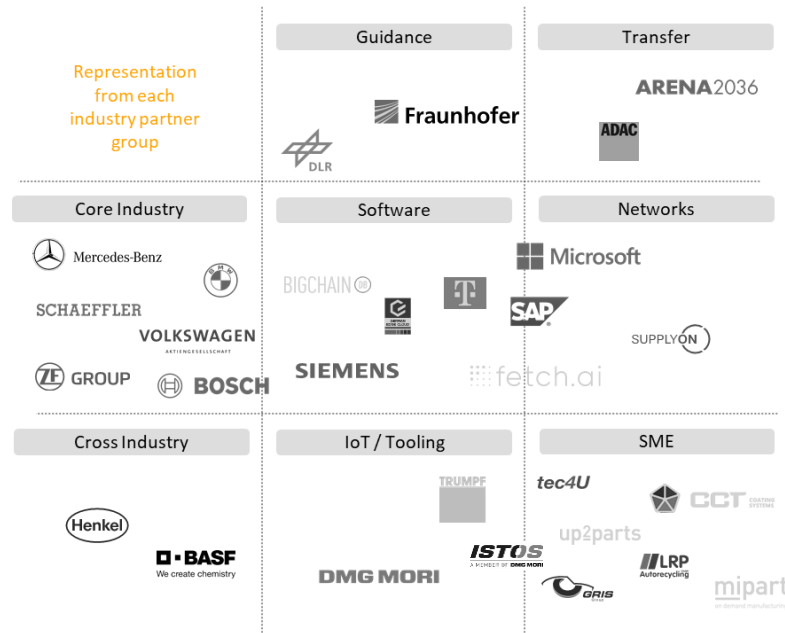




Starting and scaling the Catena-X data ecosystem

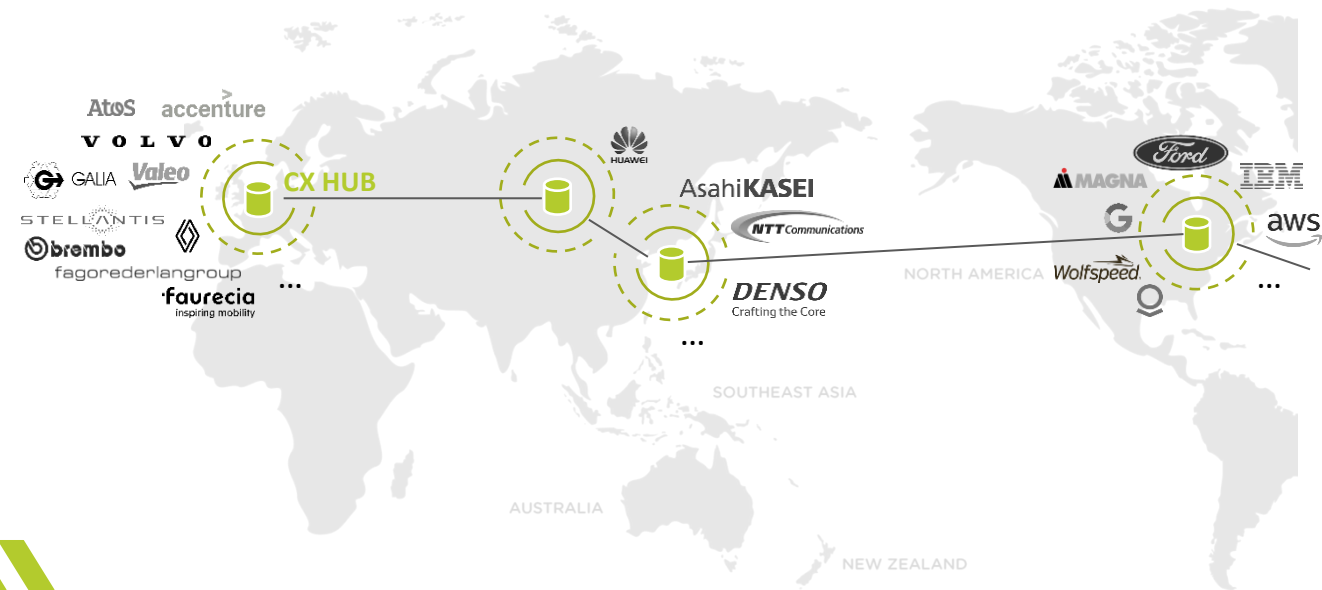
It takes the right balance of partners to start with and a global way forward to foster adoption.

KICK START - TEAM to build and launch the initial foundation; all interest groups are represented



28 initial development partner started in 08 / 2021

Implementation of the **CX HUB-CONCEPT** empowers regional adoption and ensures flow of data across regions



154 global partner in Catena-X association (06/2023)

examples of international Catena-X members; for a complete list click [here](#)

Agenda



01. Introduction to Catena-X


02. Catena-X Automotive Network
How does it work?

03. Questions & Answers

Catena-X will start Beta Phase Operations of the world's first industry data space

Radical Collaboration started with
4x Open Source KITs, 43x Standards, 1x Operating Model
(now publicly available via Catena-X website and Eclipse Foundation)





First GAIA-X compliant Industry Data Space
>> Multi-vendor & customer journey centric marketplaces of interoperable and trusted solutions <<

Multi Vendor offerings for..

OnBoarding a company to a dataspace
→ onboarding / integration Services

Solving the industries toughest problems together
→ Business Applications

Utilizing and operating data space relevant services
→ Managed Services

First Operating Company to open the Catena-X data space and start onBoarding of Partners
(10x of the strongest industry partners started a joint venture to mutually open up the data space)



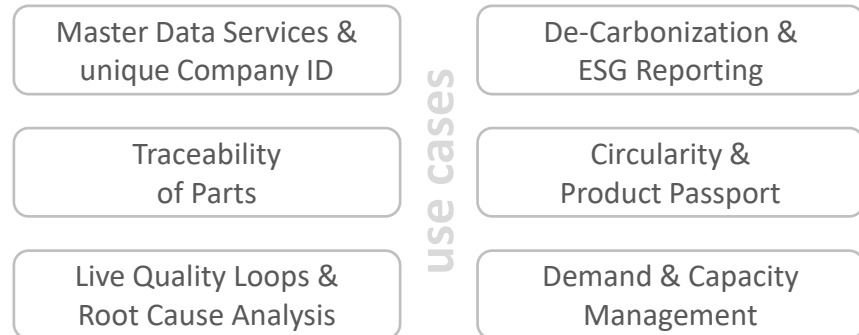


What is new about Catena-X, compared to previous solutions

Catena-X doesn't replace existing offerings, it fills gaps and redirects forces towards a common **GOAL**.
Catena-X enables all participants to collaborate compliantly within one shared global **DATA SPACE**.

Common **GOAL**

Solve top industry problems together and now



... many more to come 2024

Shared global **DATA SPACE**

- One **operating model** and **federated operating system** for the data space
- **Customer value journeys** for common GOALS enabled by open, multi vendor marketplaces



- Foundational services and **standards** built upon **OSS (KITs)** with dedicated **developer journeys**
- **Neutral governance**, incl. conformity assessment body



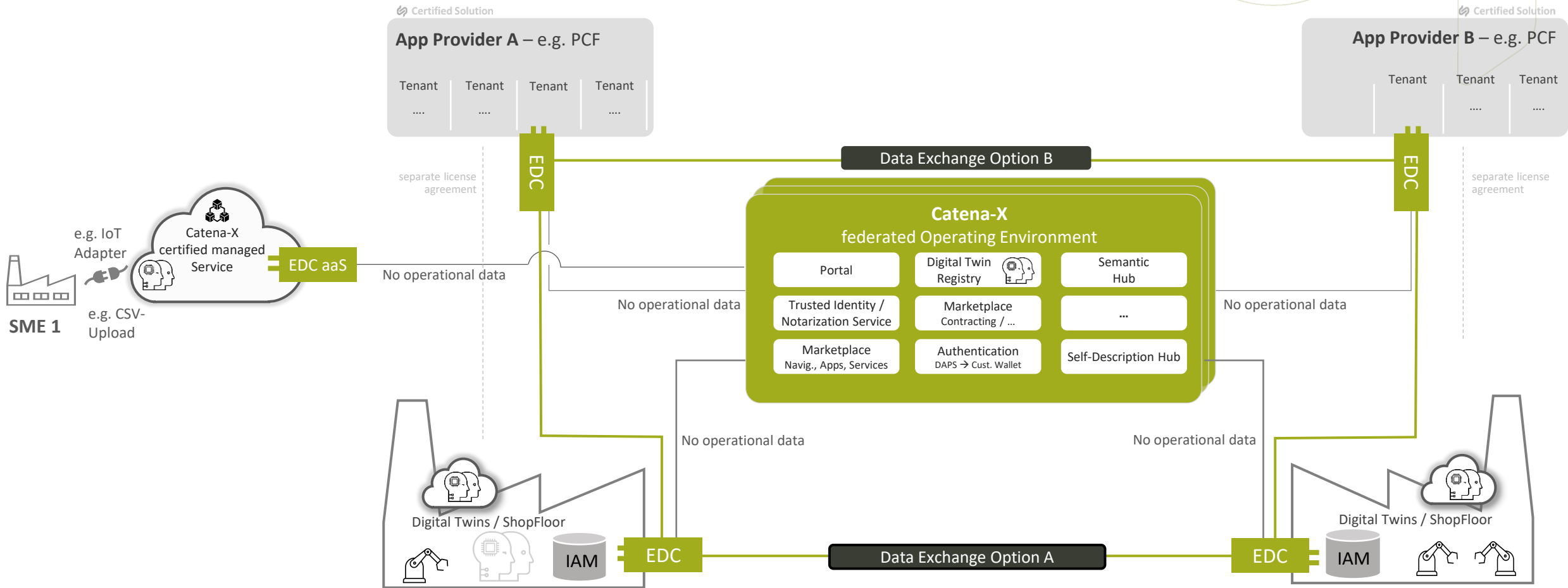
We simply call this „**NETWORK of NETWORKS**“

Enabling a data driven value chain collaboration for the first time



How the Catena-X data space works

Sovereign, federated and interoperable. Incorporating GAIA-X principals and frameworks.



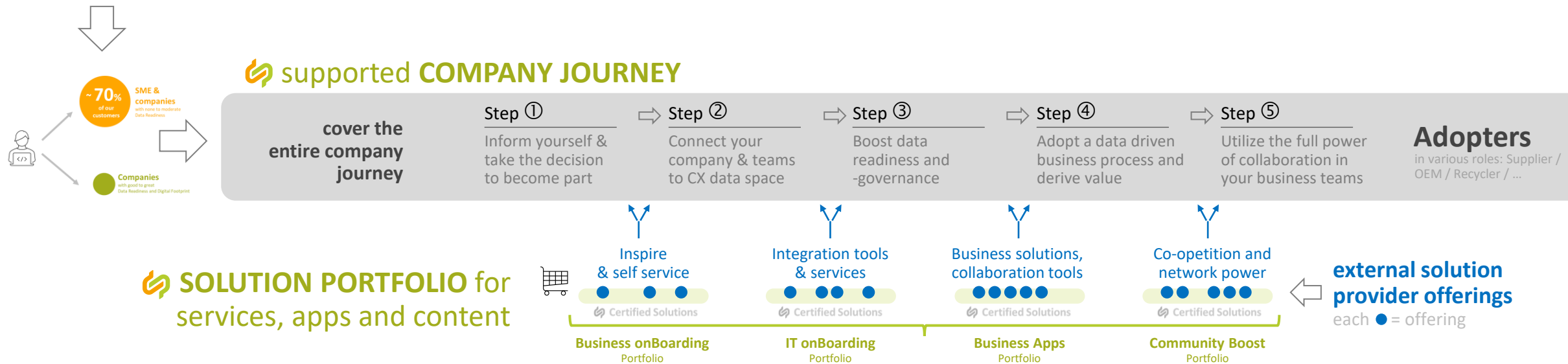
Note: EDC = Eclipse Data Space Connector (OSS)



Core offering and value proposition for **ADOPTERS**

Support the individual adopter to become part of a dedicated Catena-X use case and create instant value by offering them a multi vendor and interoperable SOLUTION PORTFOLIO along their COMPANY JOURNEY.

Example: Targeted business value for use case “de-carbonization”: Report and steer the de-carbonization of our value chain with dedicated measures based on real PCF values, without compromising upstream data sovereignty





Core offering and value proposition for **DEVELOPERS**

Releasing and updating standards, incl. policies and reference-implementations are amongst Catena-X' key offerings to enable collaboration and interoperability.



... uses two channels for publishing standards and developer resources

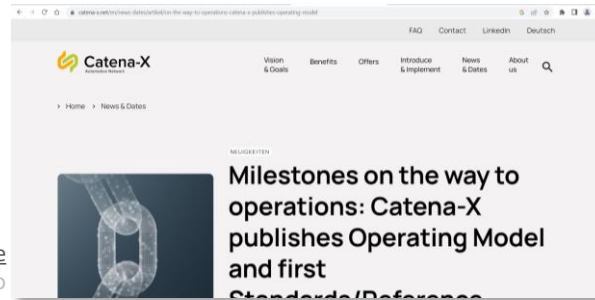
... is build upon the latest GAIA-X Trust Framework (22.10)



Website

standards & whitepapers

click [here](#) for more info



Apache 2.0 / CC BY4.0

reference-implementations and developer resources

click [here](#) for more info



Current status

29x Standards (R 2.0) +
1x Operating Model (R 2.0)



click [here](#) for more info

Next expected update


03/2023 (R 3.0)
+ pot. 16x Standards



Current Status

1st Release (R 3.0) 03/2023



4x solution domains with dedicated developer journeys and artifacts (→ KITS )

Note: Catena-X plans 4x releases per year // Winter x.0 → Spring x.1 → Summer x.2 → Fall x.3 // The next release is expected: 03/2023 (Release 3.0)

Questions?

Please contact info@catena-x.net

Visit us:

www.catena-x.net

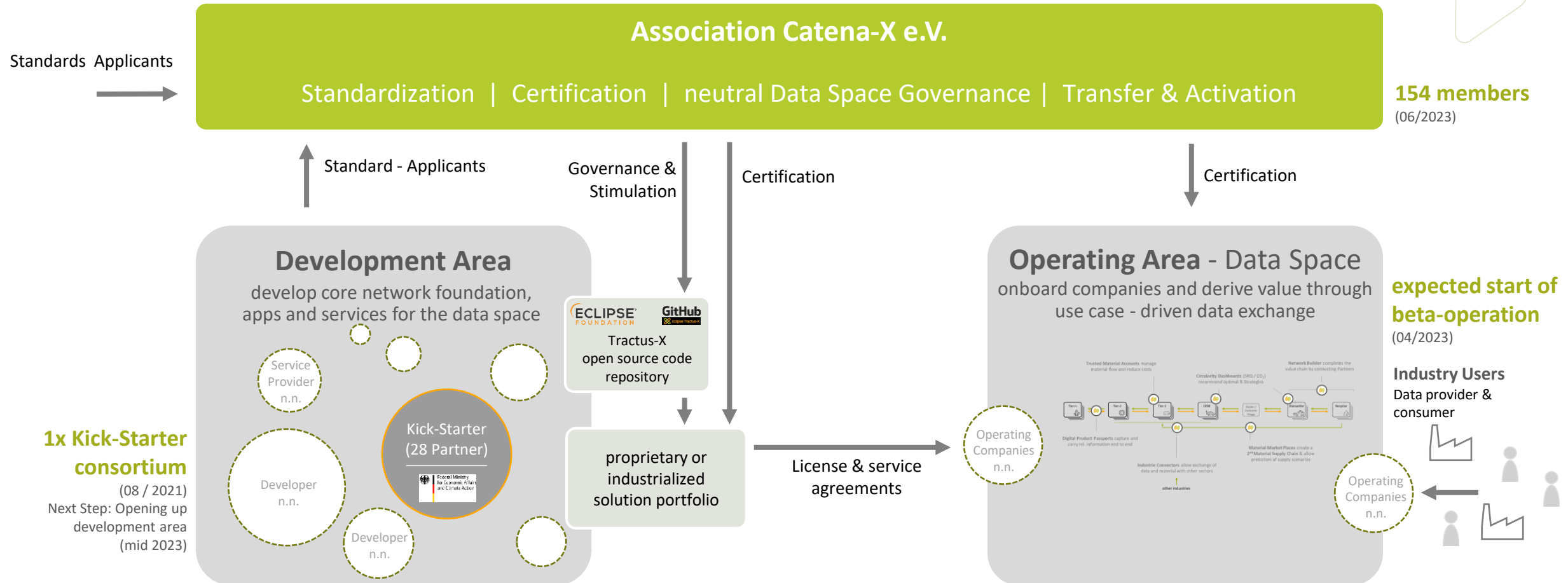
<https://www.linkedin.com/company/catena-x-automotive-network>





Organizing the activities of Catena-X

The art of **BALANCING POWER** and **FOSTER COLLABORATION** within a data ecosystem.





Catena-X

THE FIRST OPEN AND COLLABORATIVE DATA ECOSYSTEM

Need more information: info@catena-x.net // www.catena-x.net