



THE FIRST OPEN & COLLABORATIVE DATA ECOSYSTEM

Oliver Ganser

Chairman of the Board Catena-X e.V.

Head of Consortium Catena-X

Head of Data Driven Value Chain BMW AG





Our Motivation

RESILIENCY



“Today’s peer to peer supply chain network doesn’t do the job”

EXECUTIVE AWARENESS

SUSTAINABILITY



“Flow of data across the entire value chain requires new collaboration models”

DATA ECOSYSTEM

GEO POLITICS & INNOVATION



“Sharing data is a matter of trust and sovereignty”

EUROPEAN VALUES GAIA-X

ECONOMICS



“Network adoption and inter-operability is a team effort”

INDUSTRY DATA SPACE



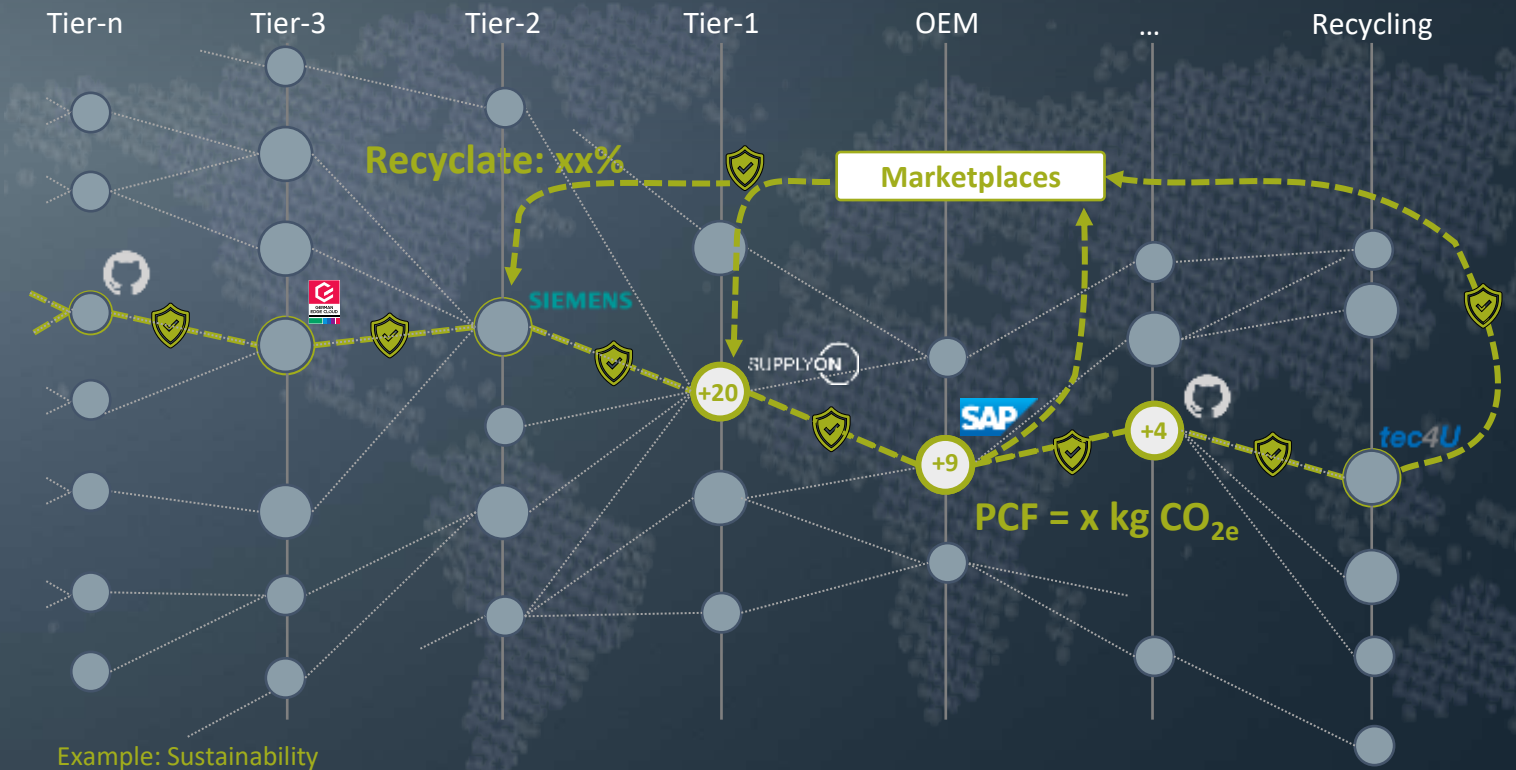
Our Mission for the Catena-X Data Ecosystem

Build a **global data space** that can host our industry

Create the first **data driven value chain**; incorporating all participants via **interoperable** and trusted solutions

-  **275.000+**
legal entities
- x
-  **# locations**
globally
- x
-  **# digital twins**
machines, products, ...
- x
-  **# apps**
business processes
- x
-  **# users**
business responsibility

optional adjacent industries





What does it mean, to be

... THE FIRST **OPEN** & **COLLABORATIVE** DATA ECOSYSTEM



Technology & Architecture

The network foundation is build upon shared services and GAIA-X / IDSA principals - **We all can take ownership**



and many more ...



Working Modell

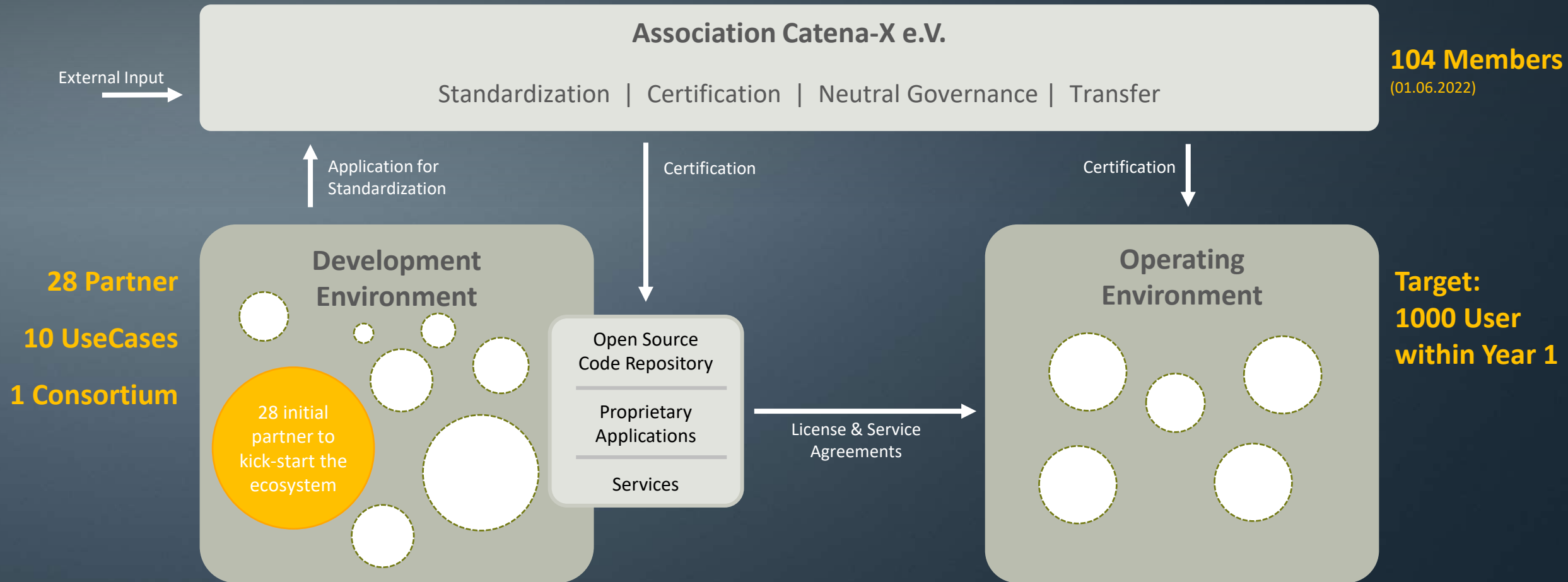
All industry players join forces to build, operate and utilize the data ecosystem - **Right from the Start**



and many more ...



It takes an Open and Balanced Approach to build and run a Global Data EcoSystem for our Industry





Celebrating our 100th member at HMI 2022

Consortium



Association



For the complete list of all 104 members (Status: 06/2022) please visit www.catena-x.net



Pot. Catena-X Hubs

Starting Point
German Automotive Industry



Hannover Fair 2022 – Catena-X World Premiere

Catena-X Consortium Event

- 500+ Participants
- 12 Speaker
- Executive Keynote
Markus Heß, BMWK



Top Announcements

- One Year Catena-X
- Member #100 Continental
- MoU with IDTA
- MoU with IDSA
- Demo of various Apps

Catena-X Collaborations

20+ Speaker Opportunities, e.g.

- Leaders Dialogue
- Keynote BM Robert Habeck
- Media and TV Engagements



Focus Topics

- Circular Economy
- CO₂ Footprint Management
- Onboarding Process esp. SME
- Manufacturing as a Service

Catena-X on Site

- Main Booth with political delegations, executive visitors and many more
- 1.200+ coffees served
- Represented at 11 partner booths

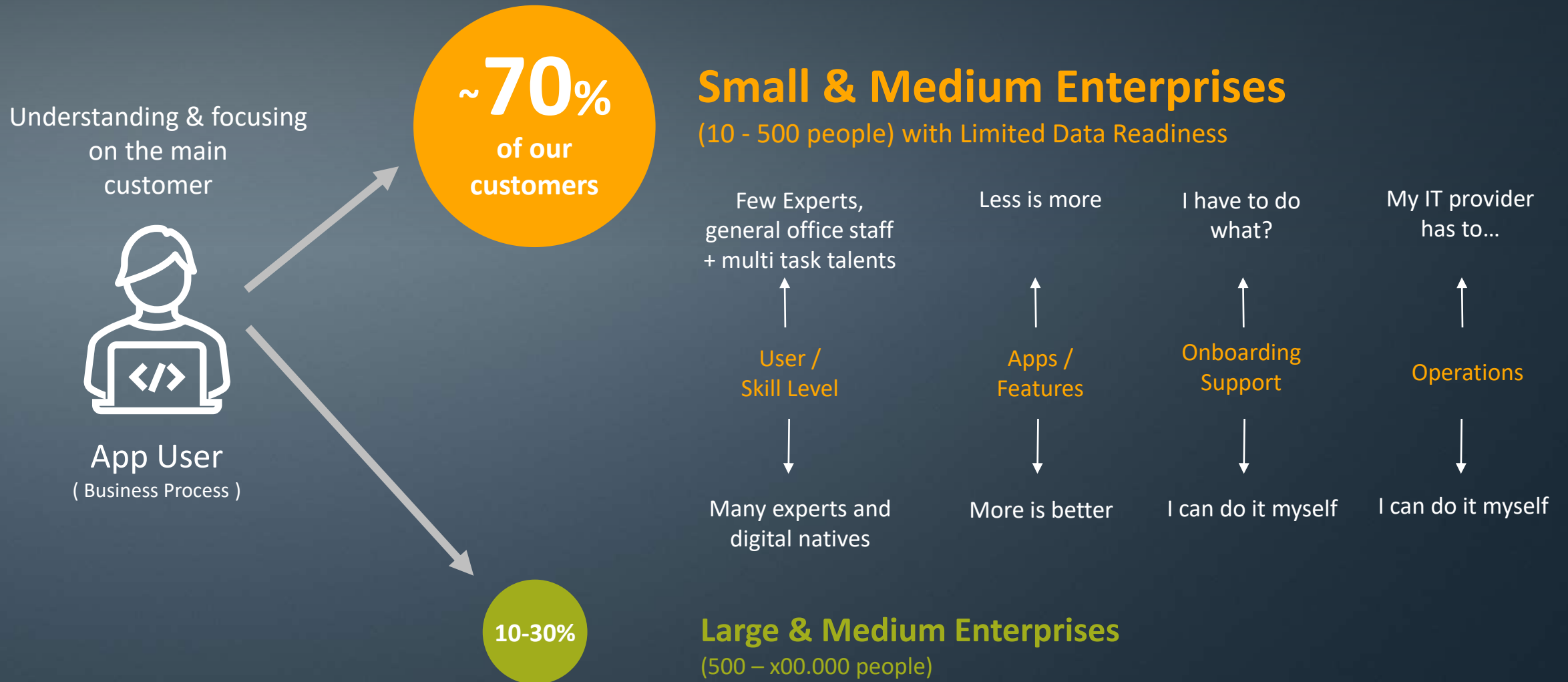




PROJECT STATUS & OUTLOOK



Know your Customer - The Biggest Catena-X Must-Win Battle





Catena-X Assets aka Unique Value Propositions are defined

1

**Boost to
Digital Readiness**

Time to value promise via
holistic onboarding
services, made for SME

2

3

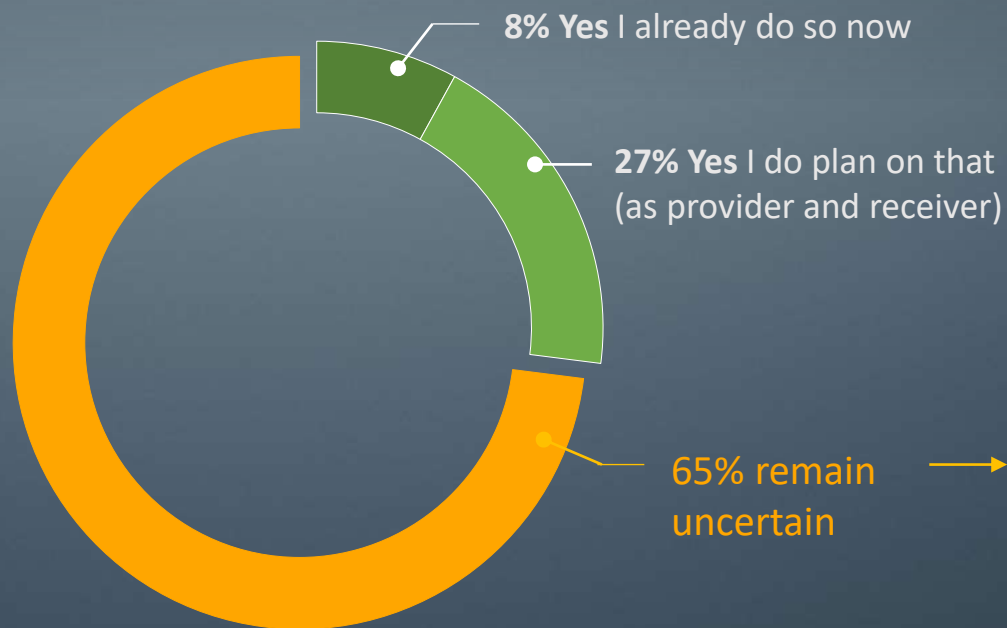
4

5

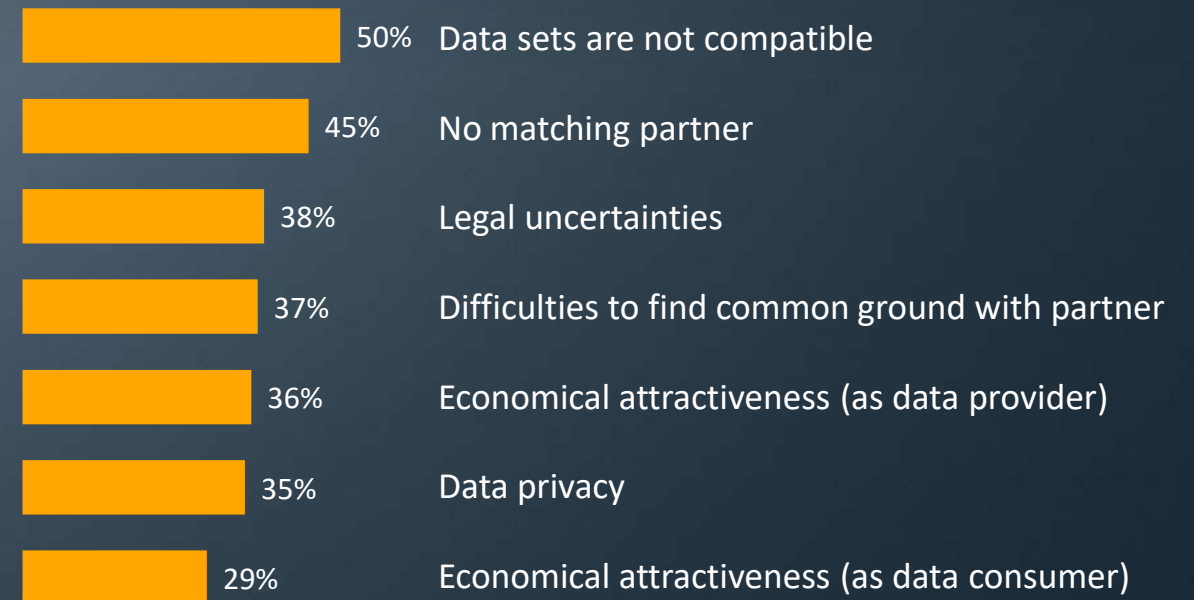


Our Industry Challenge = Catena-X Opportunity

Do you plan to exchange data with other companies within the next two years?



Biggest Obstacles for B2B Data-Sharing



Source: [bitkom](#) 05/2022, Datenökonomie – Wo steht die deutsche Wirtschaft?

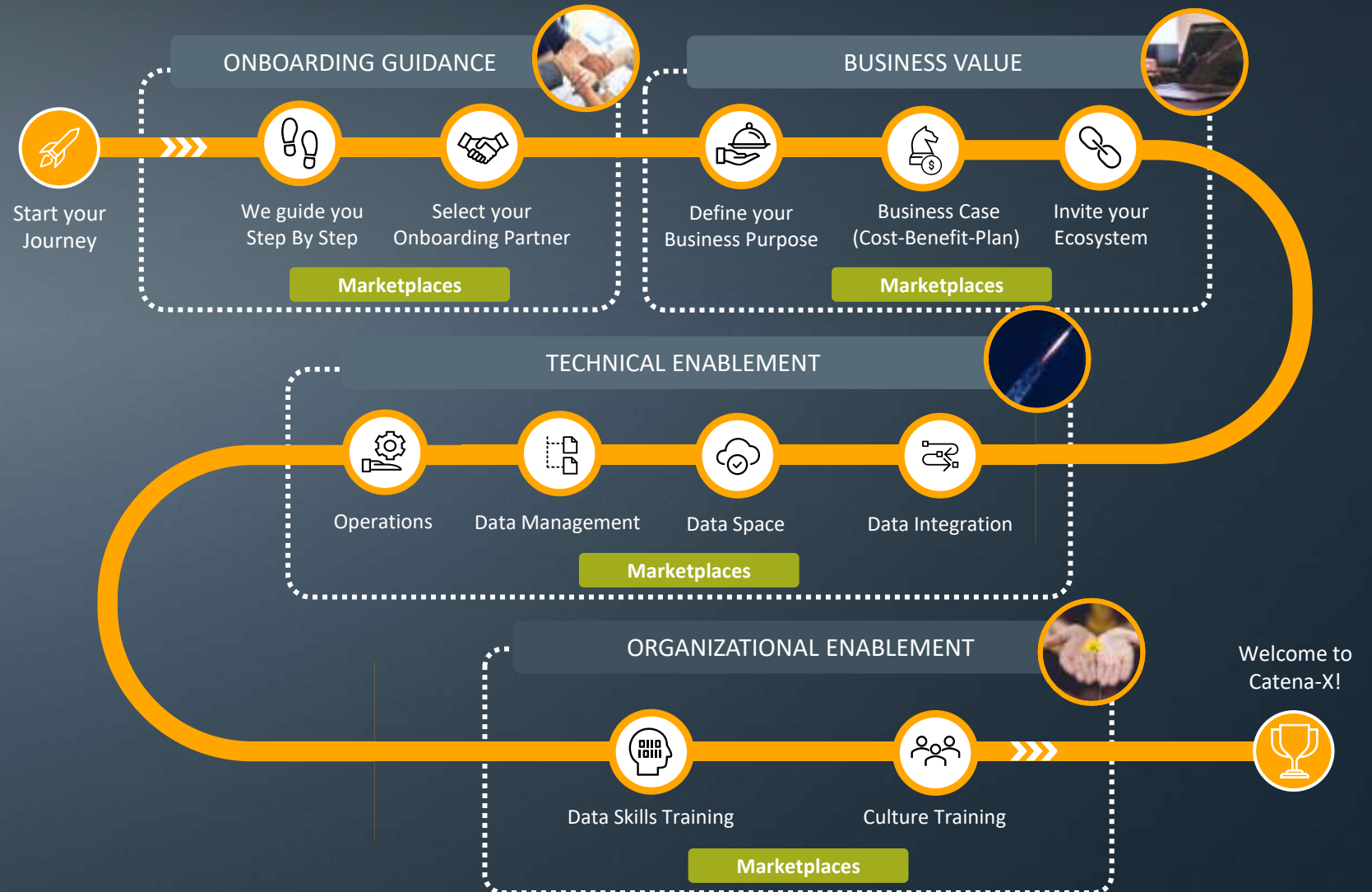


The Catena-X Promise

We take you from where you are and **guide** you until you **benefit** from the network.

Onboarding within weeks (approx. 8 – 12) through our standardized Catena-X process.

Dedicated offerings for **SME** and **Large Scale Organizations**.





Catena-X Assets aka Unique Value Propositions are defined

1

Boost to Digital Readiness

Time to value promise via holistic onboarding services, made for SME

2

Community of Trusted Members

Industry data space with shared values, principals and neutral governance

3

Largest Library of Digital Twins

Comprehensive data sets across all partners united by e.g. shared semantics

4

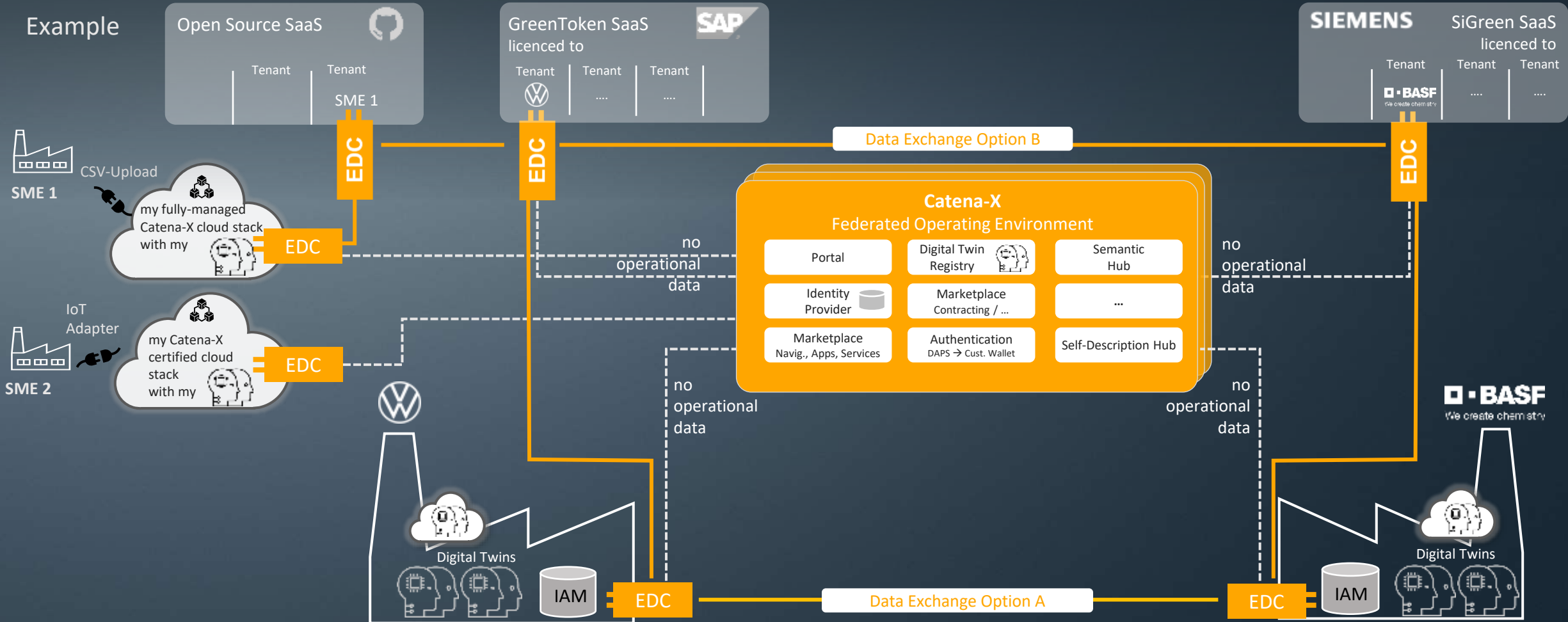
Active Data Chains

Joined digital twins and members, incl. building- & governance-services

5



How Catena-X Works





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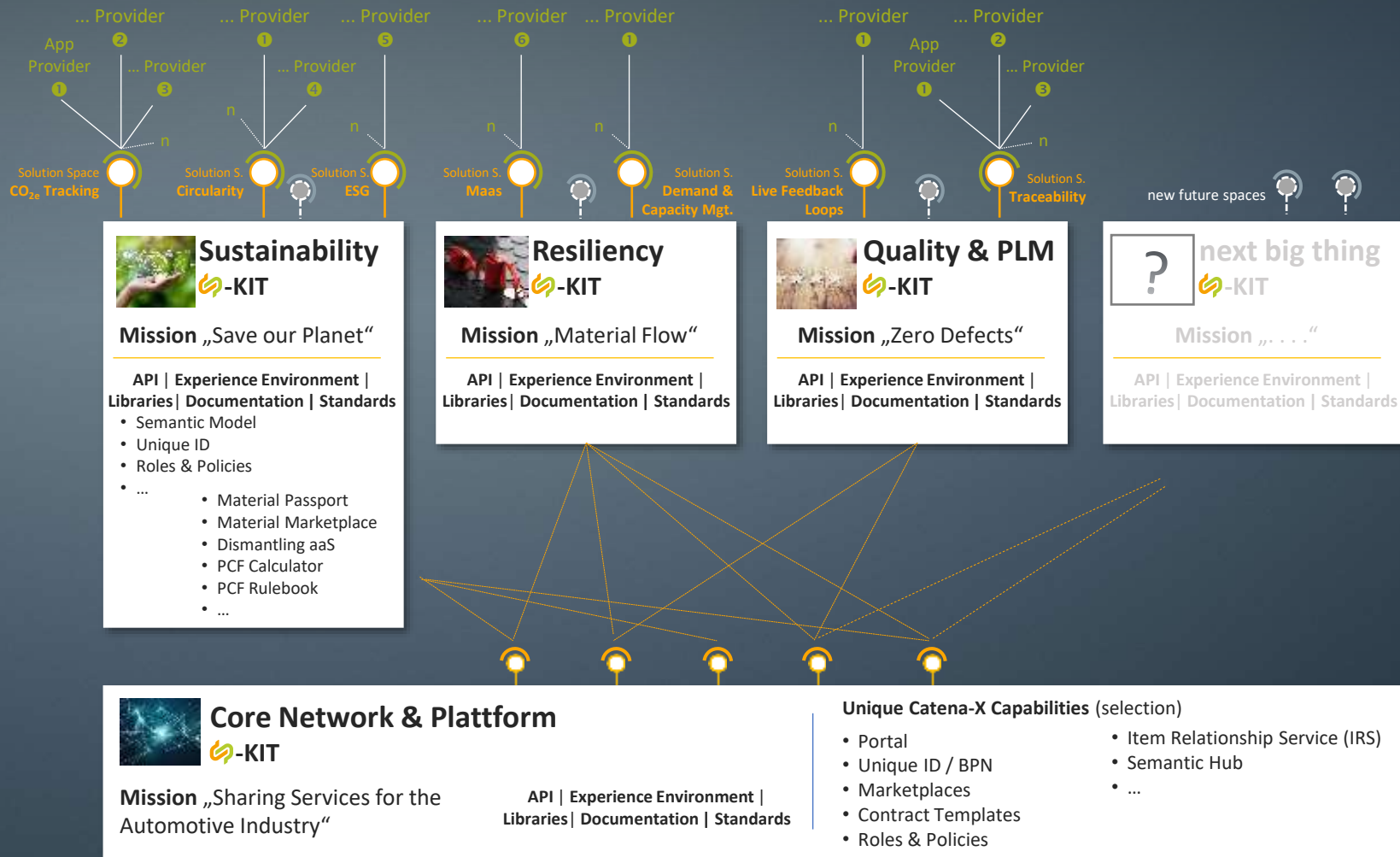
SDKs & Services for an Open EcoSystem

Boost collaboration & utilization. Breeding ground for innovation



KITs: Unique Super-Power Assets to Scale our Network

- schematic illustration -



Providers of Apps and Services utilize the KITs for their offerings and create a multi vendor, interoperable, innovative and scalable Eco System

CX Solution / Use Case Area

::: Mutually shared Industry Problem / Opportunity

Powerful Software Development KITs to enable CX Sub Eco System Solutions

::: Breeding Ground for Innovation, Efficient Development Space and Interoperability

::: Shared Services & Standards build upon Open Source to foster trust and collaboration; governed by the Association

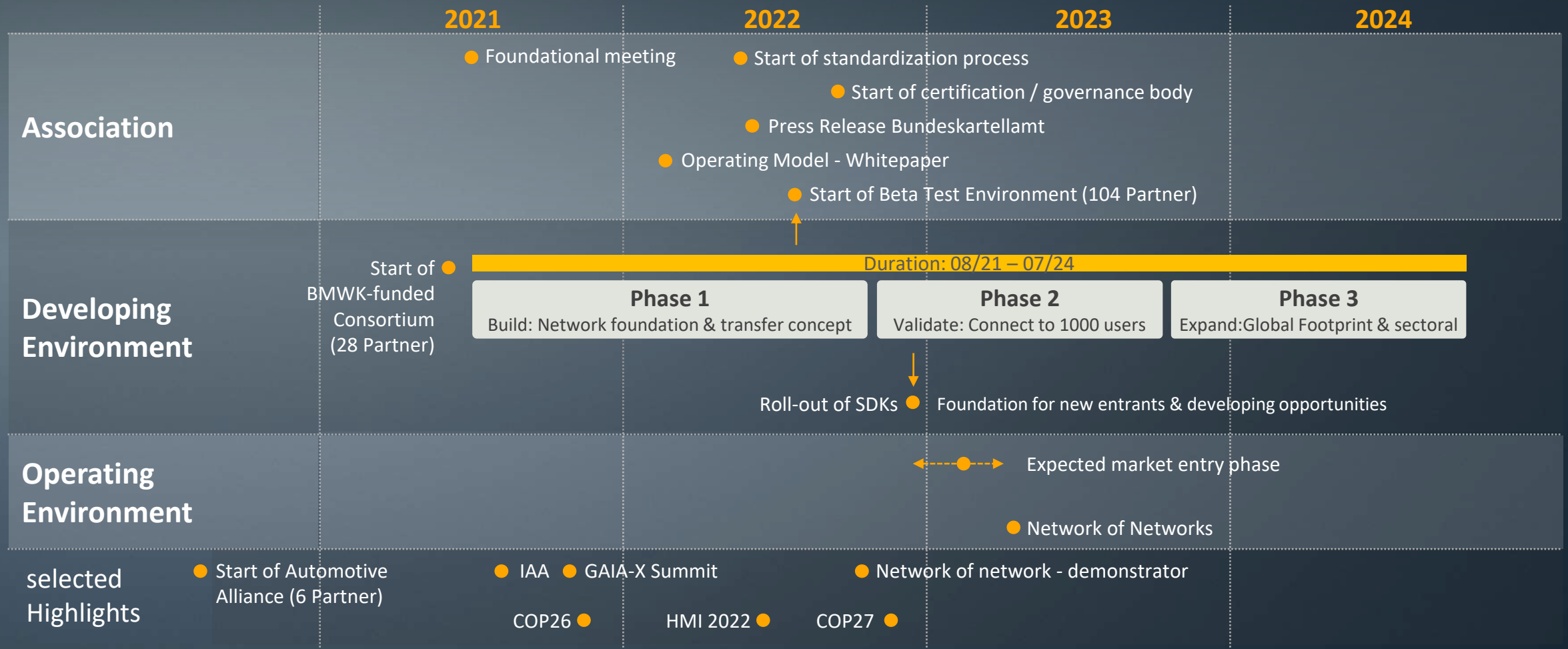
Powerful Software Development KIT for the entire CX Eco System

::: Enabler of Sub Ecosystems + Network of Networks

::: Unique Services & Capabilities that can only be found here



Roadmap





Thank You for Your Commitment to Radically Change Our Industry, Today!

Without Catena-X

With Catena-X

mainly supply chain
& peer to peer

➤ **entire value chain (E2E)**

proprietary

➤ **open multi vendor ecosystem**

multiple standards

➤ **one time is enough**

intermediary / trustee

➤ **user sovereignty**

We are the
fitness program

for the automotive industry & tap into

new value pools

Catena-X

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Back-up



Bundeskartellamt - Press Release on Catena-X

The screenshot shows a web browser window displaying the Bundeskartellamt website. The browser's address bar shows the URL: `bundeskartellamt.de/SharedDocs/Meldung/EN/Pressemitteilungen/2022/24_05_2022_Catena.html?nn=3599398`. The website header includes the Bundeskartellamt logo, a search bar, and navigation links for 'DE', 'EN', and 'RSS'. A large photograph of a white building with a blue flag is featured below the header. A blue navigation bar contains links for 'About us', 'Merger control', 'Ban on cartels', 'Abuse control', 'Competition Register', 'Public procurement', and 'Consumer Protection'. The main content area shows a breadcrumb trail: 'Homepage > About us > Press > Press releases > News'. The article title is 'First component for Gaia-X: Bundeskartellamt gives green light for establishing data network for automotive industry (Catena-X)'. The date of issue is '24.05.2022'. The text states that the Bundeskartellamt has no objections to the planned start of the 'Catena-X' cooperation, which aims to create a data network for collaboration in the automotive industry. A quote from Andreas Mundt, President of the Bundeskartellamt, is included: 'Catena-X is a first major component of the GAIA-X initiative to create a competitive data infrastructure in Europe. More than 80 companies mainly active in Germany's automotive and IT industry wish to collaborate in this project. For the first time, a data network with corresponding applications along the entire automotive value chain is to be created. Competition law does not stand in the way of such projects. However, we ensure that certain competition principles are observed. Our examination focused in particular on the setting of certain standards and the cooperation in research and development, among other things, for which we were able to give the green light. Set up properly, initiatives such as the one at hand are promising since they may help to boost competition in cloud services in the future, a development we would very much like to see.'

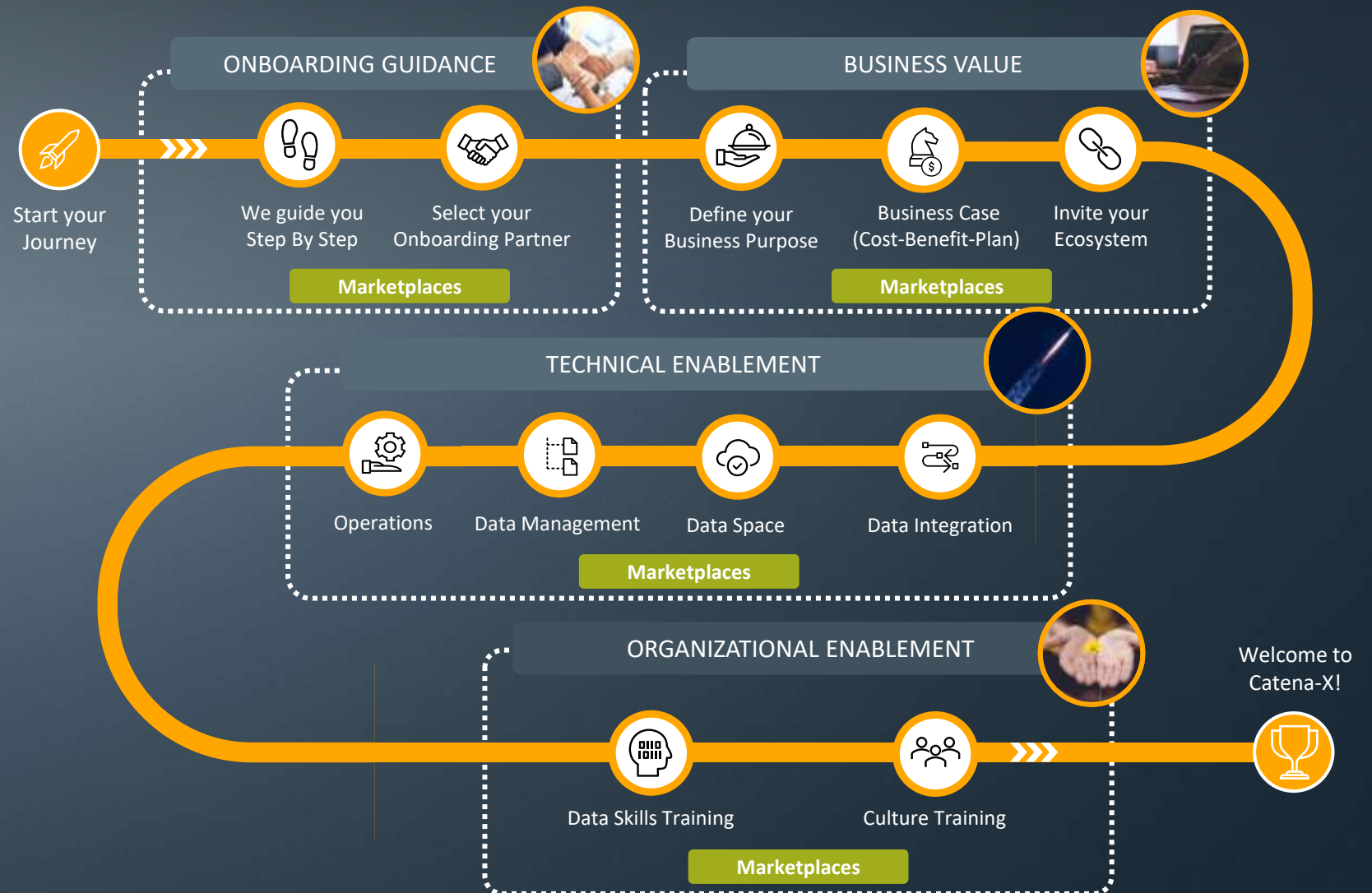


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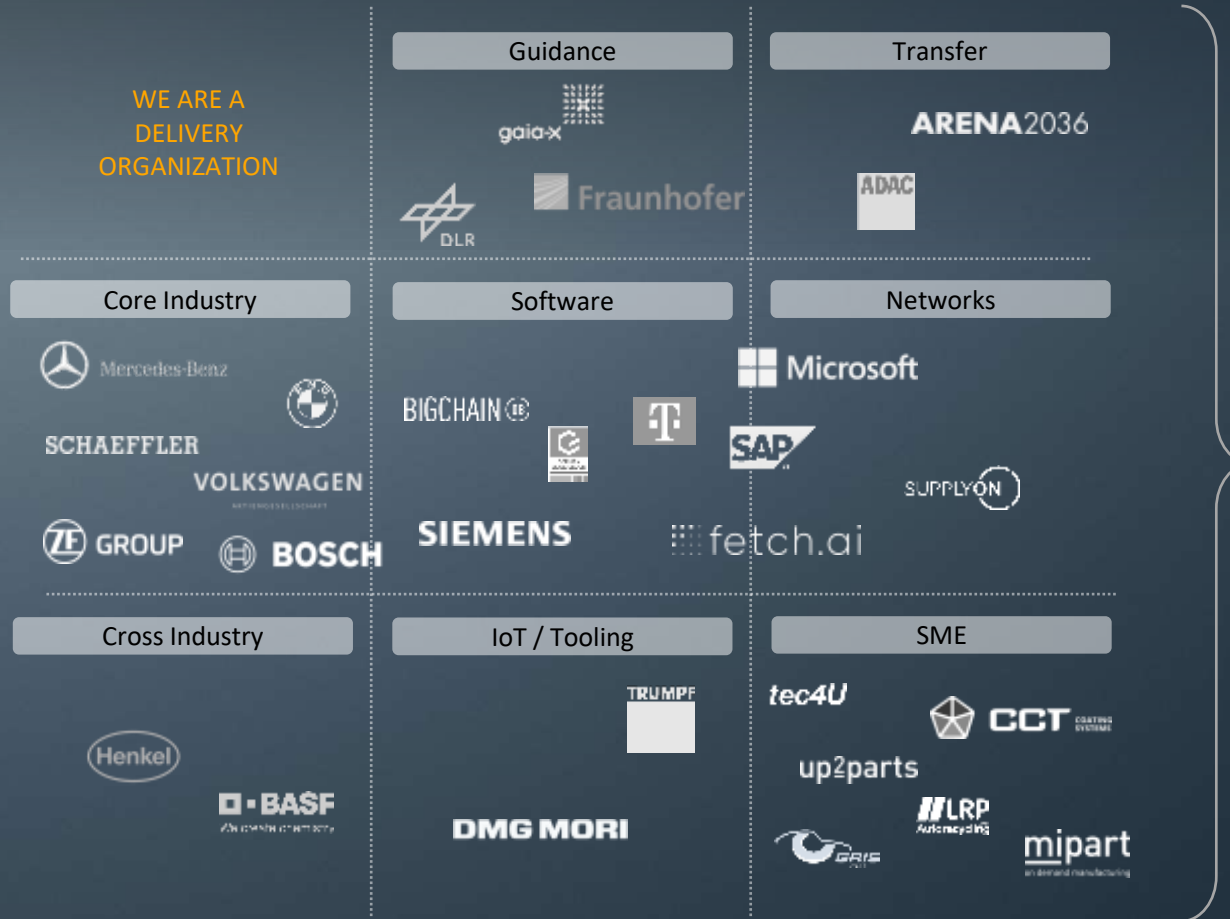
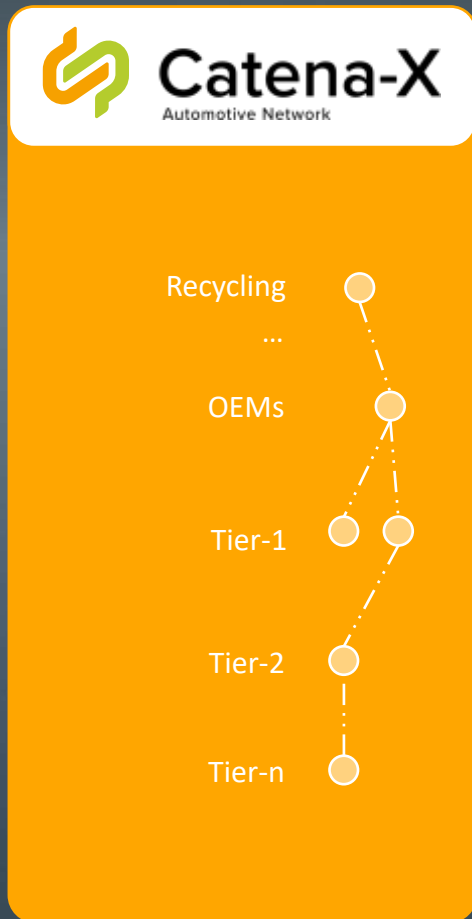
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Who is the Team to kickstart the Eco System?



- Timeframe/project outcome
08/2021 – 07/2024
- 10x Use Cases with direct value contribution
 - 1st Gaia-X / IDSA compliant operating system
 - 2-4 months Time to value to onboard partners