Catena-X Pre-Launch Event North America

June 5th, 2023
Austin, TX

- Summary – Handout -

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June 5th, 2023
Austin, TX

Innovation through Collaboration

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Welcome to Austin!

Your hosts of today‘s event

Oliver Ganser

Chairman of the Board Catena-X e.V.
Head of Industry Consortium
BMW Group

Jeff Schlageter

Member of the Board Catena-X e.V.
General Manager Global Manufacturing and Energy
IBM

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Catena-X in a nutshell

Catena [origin latin]
Meaning: *chain; chain-links*

Catena-X started in 2021 as a initiative of a few key automotive partners to break through the traditional peer to peer limitations of todays business processes.

Catena-X Mission Tackle the industries most pressing business challenges by pioneering data driven value chains and offering the first open & collaborative data ecosystem.

We simply call this **Radical Collaboration**

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Radical Collaboration

Time to value within just 24 months after start

- 152 global partner joined the initiative
- 110+ Mio EUR spend on R&D
- Anti-Trust & Compliance - clearance
- 10+ Strategic Partnerships - entered
- 1st Catena-X de-central Operating System - released
- 1st Catena-X Operating Model incl. Policies - released
- 1st ever GAIA-X compliant data space - confirmed
- 1st set of Catena-X Standards (43) and Business KITs – released
- 1st Operating Company (Cofinity-X) – established
- 2 local Catena-X Hubs – established; 3 more are planned for 2023 (NA, Asia)
- 1st Beta Operations - started 04/23
- Productive go Live - planned for 10/23

→ Pre-Launch Event

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Innovation through collaboration

Agenda

12 – 1 pm Arrival & Lunch

1 – 3 pm

Welcome to Austin!
Oliver Ganser & Jeff Schlageter (5min)

Catena-X 101
Oliver Ganser (30min)

Catena-X KITs & Benefits
PLM / Quality: Traceability – Oliver Ganser (15min)
Sustainability: CO_2 Reduction – Niels Angel (15min)
Sustainability: Circularity & Battery Pass – Thorsten Dikmann (15min)

Catena-X KITs & Open Collaboration
Maximilian Ong (15min)

Q&A & Short Break (25min)

3 – 5 pm

Catena-X Global Adoption & onBoarding
Partner Testimonials – Interview with Pramita Mitra & Jeffrey Schlageter (15min)
Catena-X's first Operating Company Cofinity-X – Thomas Roesch (30min)
Launch of Catena-X North America Hub - Frank Goeller & Christoph Schlueter-Langdon (20min)

Catena-X Panel Discussion "Trust and Interoperability"
Host: Frank Köster
Panelists: Lars Nagel, Roland Fadrany, Christoph Schlueter-Langdon and Thomas Roesch

5 – 6 pm Get together & buffet

Our Speakers

Oliver Ganser
Chairman of the Board, Catena-X
Head of Industry Consortium, Catena-X
BMW Group

Jeff Schlageter
Member of the Board, Catena-X
GM Global Manufacturing and Energy
IBM

Niels Angel
Sustainability: CO_2 & ESS, Catena-X
BMW Group

Thorsten Dikmann
Circularity: Digital Material Passport, Catena-X
BASF

Prof. Dr. Christoph Schlueter-Langdon
Product Manager, Catena-X
T-Systems

Prof. Dr. Frank Köster
Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR)
Institute for AI-Security

Roland Fadrany
COO
GAIA-X

Lars Nagel
CEO
International Data Spaces Association

Maximilian Ong
Business Architect KITs, Catena-X
Mercedes-Benz

Pramita Mitra
Supply Chain Digitization Strategy and Integration
Ford

Frank Göller
VP Internationalization, Catena-X
Head of Digital Production & Processes
Volkswagen

Thomas Rösch
CEO
Cofinity-X

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Supported by

Federal Ministry for Economic Affairs and Climate Action

Catena-X

THE FIRST OPEN AND COLLABORATIVE DATA ECOSYSTEM

06/05/2023

AUSTIN, TX

Oliver Ganser

Chairman of the Board Catena-X e.V.
Head of Industry Consortium

Some of the most pressing issues of our industry are

TRUSTED SUSTAINABILITY / ESG

"Put targets into action with real PCF data to de-carbonize the value chain"

RESILIENT SUPPLY- & VALUE CHAINS

"Ensure material flow and availability across multiple value chain steps"

COMPLIANT / ADAPTABLE PLM

"Monitor field- / production environments, detect anomalies and contain affected parts"

and "close the loops for circularity"

© 2023

…and they all share the same problems

1) Peer to Peer Networks no longer get the job done
2) Exchange of Data is a matter of Trust & Choice
3) “I don’t know how to…” who can help me or my company?

	TRUSTED SUSTAINABILITY / ESG			RESILIENT SUPPLY- & VALUE CHAINS			COMPLIANT / ADAPTABLE PLM		
Business Process (aka UseCases) and their value creating prerequisites ↓	Calculate Product CF	Circularity / Product Pass	ESG Monitoring	Demand / Capacity Mgt.	Master Data Services	Manufacturing as a Service	Part / Material Traceability	Live Quality Loops/Analysis	Behavior Twin
Multi tier Exchange of Data	essential	essential	essential	essential	no	essential	essential	essential	selected
Global and/or **Systematic Coverage**	essential	essential	essential	selected	essential	essential	essential	selected	essential
Trusted Business logic & -policies	essential	essential	essential	essential	essential	essential	essential	essential	essential
Interoperability Multi vendor solution portfolio	essential	essential	essential	essential	selected	essential	essential	essential	essential
Adoption: Small to large organizations	essential	essential	essential	essential	essential	essential	essential	selected	essential

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Catena-X breaks through today's peer to peer limitations

Tackle the industries most pressing business challenges by pioneering data driven value chains and offering the first open & collaborative data ecosystem.

TRUSTED SUSTAINABILITY / ESG

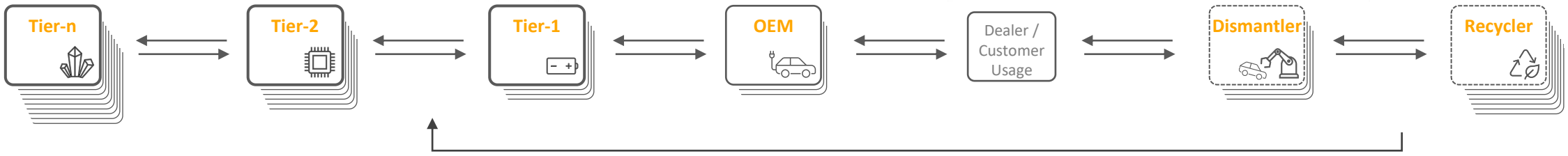
- Calculate Product CF
- Circularity / Product Pass
- ESG Monitoring

RESILIENT SUPPLY- & VALUE CHAINS

- Demand / Capacity Mgt.
- Master Data Services
- Manufacturing as a Service

COMPLIANT / ADAPTABLE PLM

- Part / Material Traceability
- Live Quality Loops/Analysis
- Behavior Twin



Phase I of Catena-X (10 Use Cases by Q1/2024) lays the foundation for a scalable network; for many more Use Cases to come

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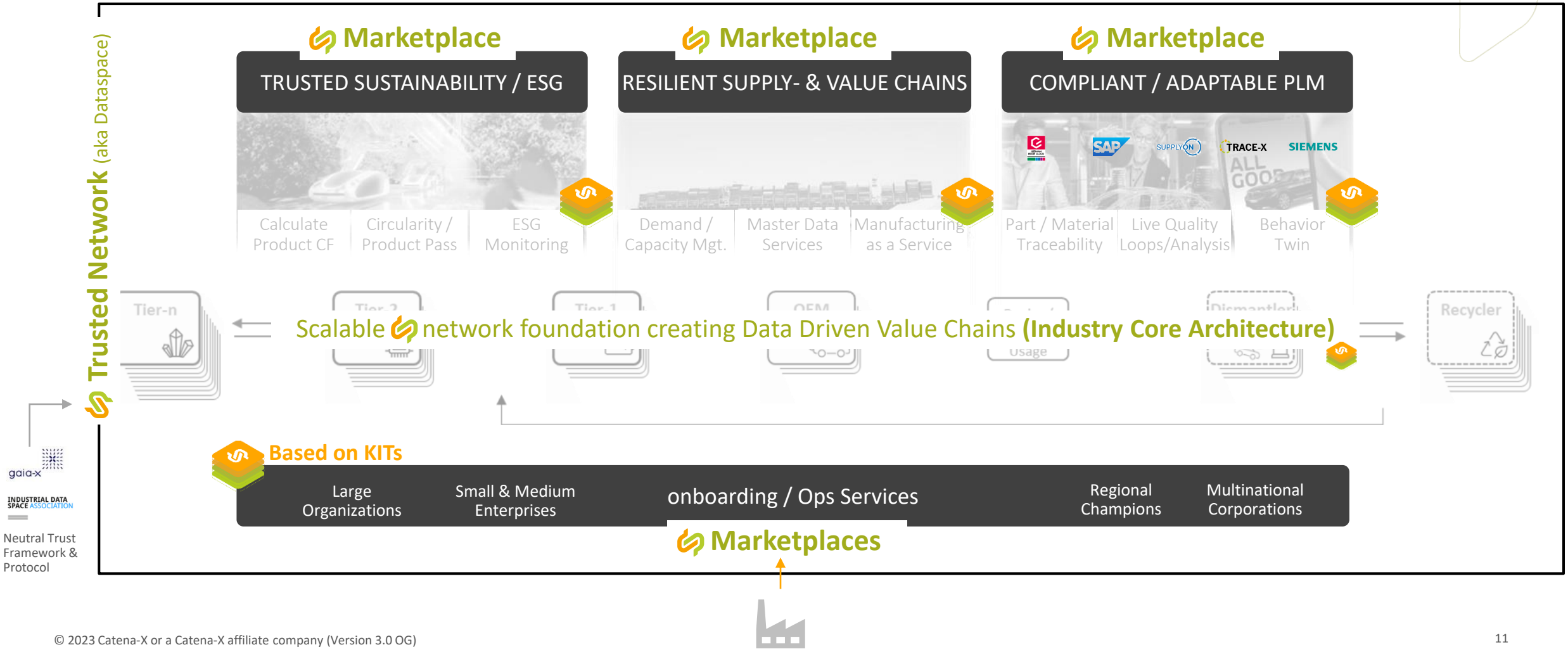
Catena-X USP for Businesses

- Interoperable, end to end **Catena-X Solution Portfolios**, creating and utilizing data driven value chains
- **Catena-X Industry Core Architecture** (KITs), reducing run and build costs per Use Case and speed up time to value



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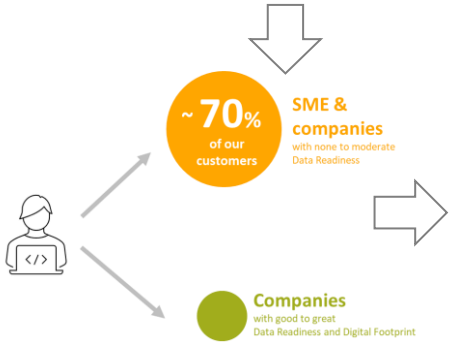
Core offering and value proposition for ADOPTERS

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**.

Problem Statement per Use Case



supported COMPANY JOURNEY

cover the entire company journey

Step ①	Step ②	Step ③	Step ④	Step ⑤
Inform yourself & take the decision to become part	Connect your company & teams to CX data space	Boost data readiness and -governance	Adopt a data driven business process and derive value	Utilize the full power of collaboration in your business teams

Adopters
in various roles: Supplier / OEM / Recycler / …

INTEROPERABLE SOLUTION PORTFOLIO

Inspire & self service	Integration tools & services	Business solutions, collaboration tools	Co-opetition and network power
● ● ●	● ●● ●	●●●●●	●● ●●●
Certified Solutions	Certified Solutions	Certified Solutions	Certified Solutions
Marketplaces **Business onBoarding**	Marketplaces **IT onBoarding**	Marketplaces **Business Apps**	Marketplaces **Community Boost**

external solution provider offerings
each ● = offering

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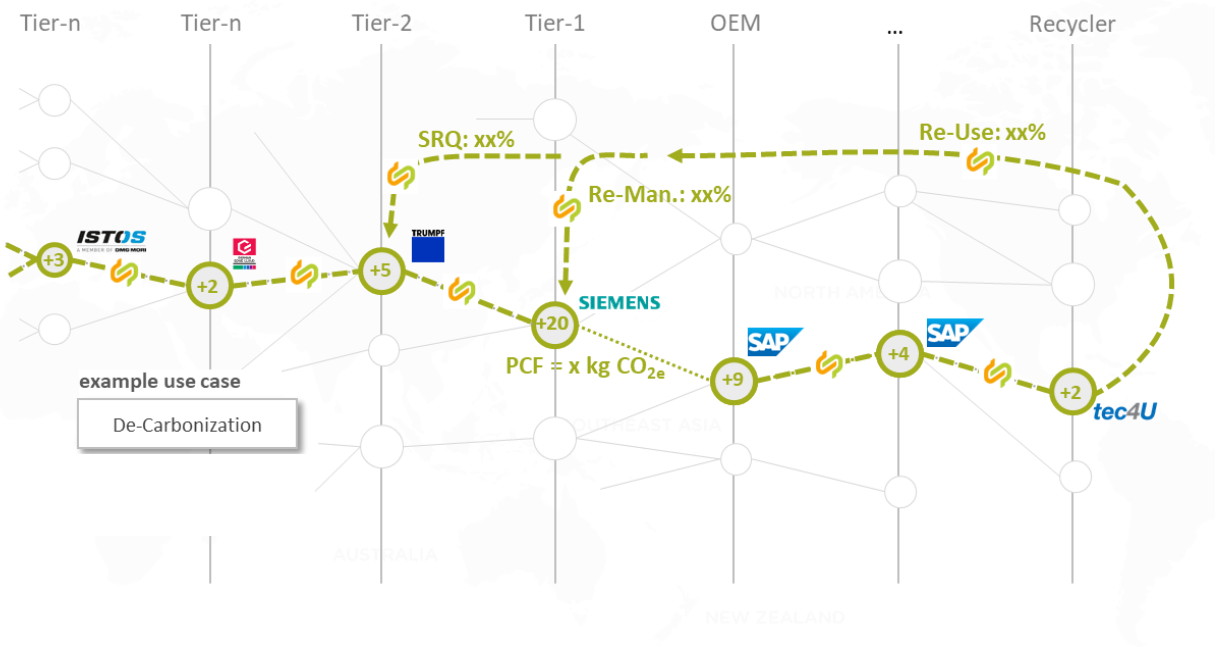
What's new & different about Catena-X?

Catena-X enables all participants to compliantly join and collaborate within a shared global **DATA SPACE** to solve their business problems. Target State Time to Value: 3-6 months (launch 6-12months)

Shared **DATA SPACE**



for the **GLOBAL AUTOMOTIVE INDUSTRY**

275.000+
legal entities

x **# of production sites**
(>1.000.000)

x **# of digital Twins**
(>1.000.000.000)

x **# business processes**
(initial 10)

x **# business users**
(>10.000.000)

= **XXL**

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Taking the right turn

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

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Adoption

We grew within just two years from 6 to …

152 global partners

as of May 2023

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Strategic Partnerships and Catena-X working model

Catena-X joins forces with established groups and focuses on execution → Network Integration and Industrialization

Catena-X closes gaps in the customer journey with partners to create end to end industry solution portfolios

Trust & Architecture
(always: de-central)

INDUSTRIAL DATA SPACE ASSOCIATION

gaia-x

Semantics

IDTA
Industrial Digital Twin Association

Sustainability

wbcsd

TOGETHER FOR SUSTAINABILITY

GLOBAL BATTERY ALLIANCE

Working Groups, e.g. Verification

pwc Deloitte. TÜV SÜD ...

Automotive Associations

VDA PFA FILIÈRE AUTOMOBILE & MOBILITÉS jama

GALIA ODETTE SWEDEN

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Catena-X @ Hannover 2023

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Value Pools

Forecast
EU Data Spaces

European Commission

€829 billion

value of data economy in the EU27

from €301 billion (2.4% of EU GDP) in 2018

Forecast
Global Automotive Industry Catena-X

McKinsey&Company

EUR **50-60bn**

total achievable **annual value**
from full implementation of effective data ecosystems across the automotive value chain

Forecast / Value Pools
Individual Company

Share Services

Fulfill global Regulatory Requirements

Improve Time to Value and Market

More efficient IT and

Boost your Business Processes

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Catena-X
Automotive Network

Oliver Ganser, BMW

Traceability & Quality

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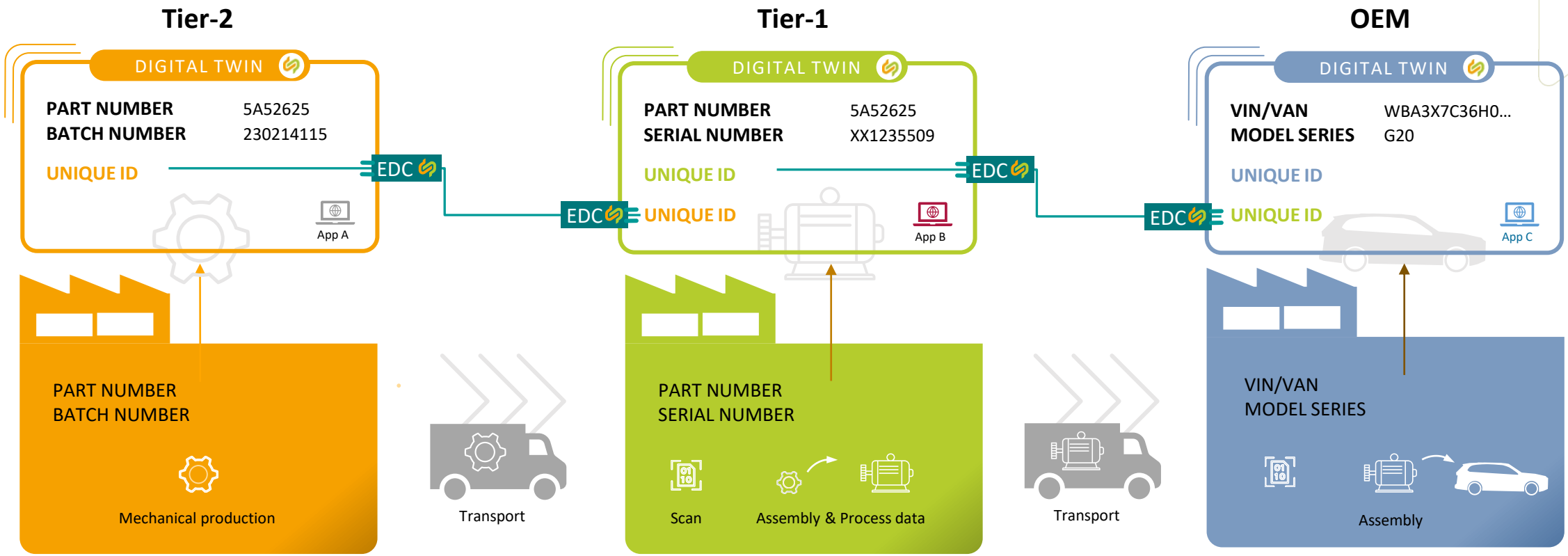
Traceability – How it works.

Building data chains without lengthy discussions on standards, IT changes or process adaptations.



Data Chains and **Digital Twins** are key enabler and **network builder** for many other core use cases like circularity, CO_2 and LKSP / ESS.

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EDC = Eclipse Data Space Connector (Standard-Schnittstelle für den Datenaustausch zwischen Catena-X Partnern)

Marketplace Traceability

Initial strong portfolio of apps to enable and manage traceability of parts.

TRACE-X Open Source

SAP Business Network Material Traceability

* GEC ONCITE DPS

SIEMENS Trusted Traceability

...to come

after Release 3.1

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Marketplace Quality

Initial strong portfolio of apps to enable and manage quality of parts / vehicles.

BOSCH AFQM

Palantir Component Performance Monitor (CPM)

SAP QM-App

...to come

after Release 3.2

- Connect Data from Production and Field across multi tier levels
- Enabling Early Warning / Quality Alerts across multiple partners
- Precise Containment of affected parts / vehicles

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Catena-X
Automotive Network

Niels Angel, BMW

Sustainability

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There are two dimensions of sustainability in the automotive supply chain, both are growing in relevance.

Product Carbon Footprint

EV Customers (e.g. fleet managers)

Investors

Regulation in Europe affecting exporters (e.g. CBAM)

International efforts to standardize: UNECE-Auto-LCA

Environmental/Social Standards

Public awareness of public and customers about supply chain issues

- working conditions n-tier
- environmental/safety issues

Regulation in all regions demanding supply chain due-diligence

- Dodd-Frank Act
- National Supply Chain Laws
- Uighur Forced Labor Act

Focus of Sustainability is increasingly on the n-tier Supply Chain

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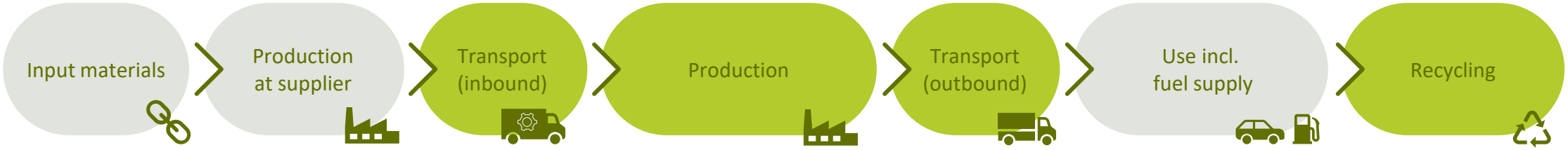
Supply chain carbon emissions matter. Their importance will go up.



Numbers refer to vehicle fleet with combustion vehicles

25% 3% 70% 2%

Significantly increasing BEV share up to 100%

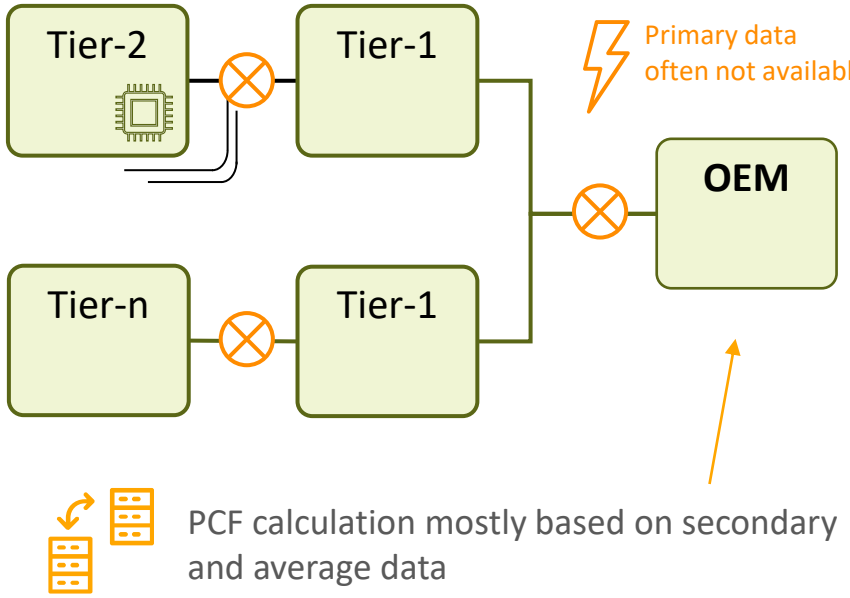
60%

40%
estimate
EU electricity mix 2030

Numbers based on OEM estimation

No defined methodology in place for capturing Product Carbon Footprint in the supply chain.

STATUS QUO



CHALLENGE

Limited specific information on Product Carbon Footprint in the supply chain. No transparency regarding actual process efficiency or actual energy usage.

Inconsistent methodology/ standards for **PCF**[1] calculation.

[1] PCF = Product Carbon Footprint

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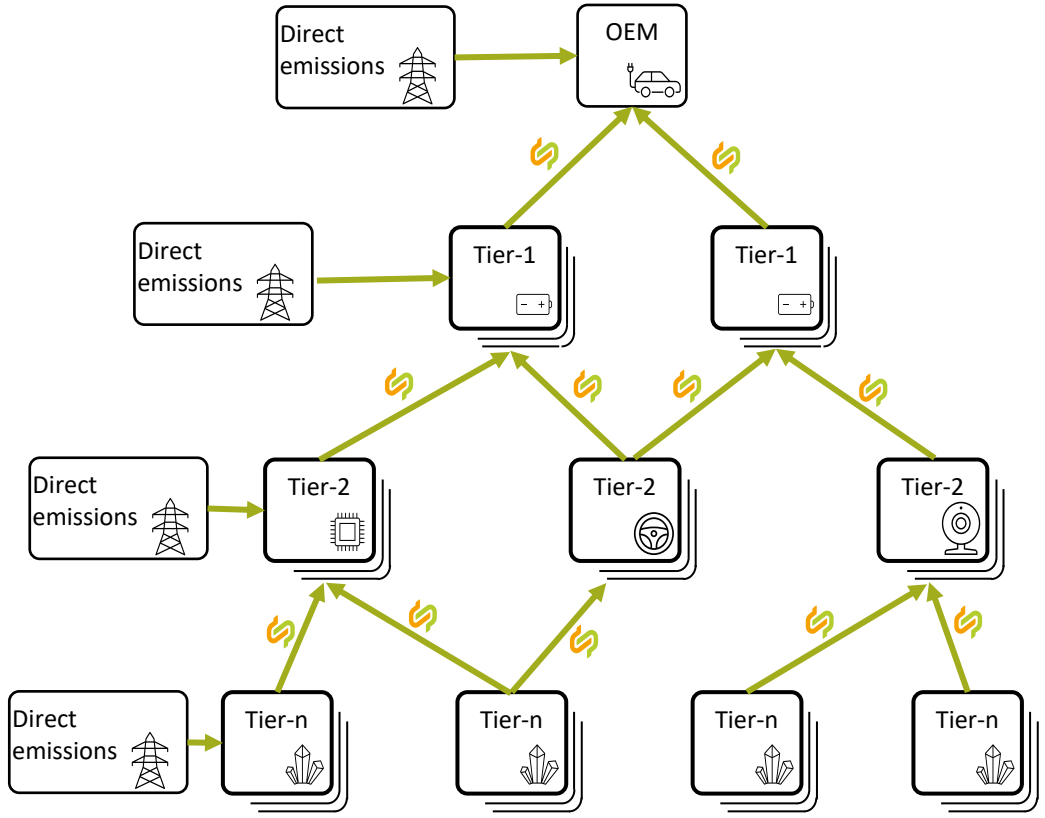
Catena-X captures PCF along the supply chain by recording and aggregating primary data.



Measure: Capture GHG emissions data based on real processes and site data

Reduce: define reduction measures in the n-tier chain

Report: Efficient and credible reporting of PCF values and achieved reductions

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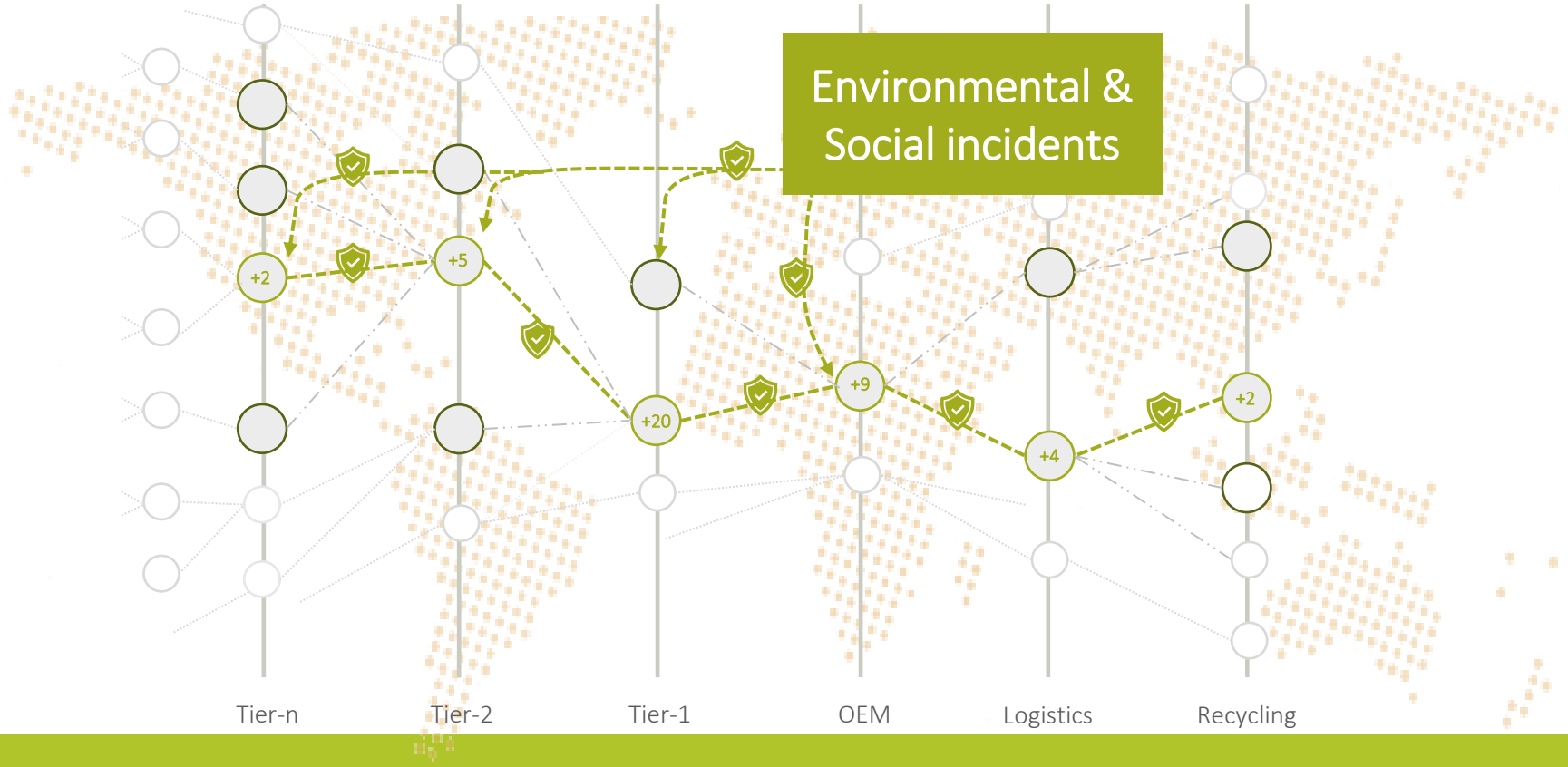
Catena-X can support supply chain due-diligence without full upstream visibility, e.g. for incident tracking



30.000-40.000 parts & most complex supply network

STATUS QUO

- **Mainly manual effort**
- **Low network collaboration**
- **Long processing time**
- **Large number of intermediaries**
- **Varying information quality & sources**

Future: Incident matching and incident management enabled by Catena-X network functionality

Catena-X collaborates with relevant stakeholders. We don’t want to duplicate best practice work in sustainability.

Existing Collaboration

TOGETHER FOR SUSTAINABILITY

wbcsd

GBA Greenhouse Gas Rulebook

Pending/planned

Responsible Business Alliance
Advancing Sustainability Globally

An ecosystem is required to best use a decentralized network

Methodology & Governance

Application, Platform & Infrastructure

Multi-Stakeholder Credibility

Audit & Verification Systems

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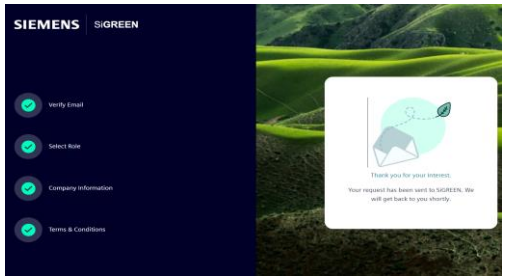
Marketplace CO_2

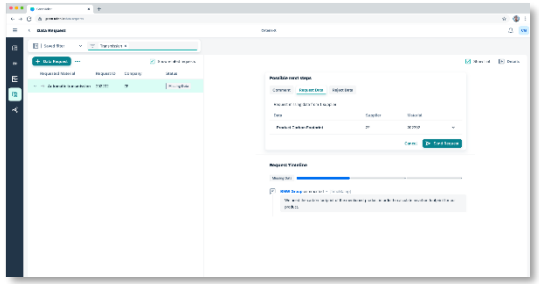
Initial portfolio of apps to calculate and exchange PCF is available.

CO_2 - Exchange-Apps (interoperable)

SIEMENS



SAP



In pipeline - targeted for Q4/2023

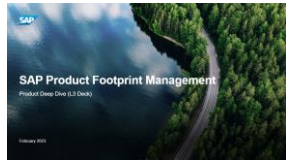
SUPPLYON Microsoft ...

CO2 – Calculation-Apps (interoperable)

FRED

IHK ecocockpit

SAP



In pipeline - targeted for Q4/2023

SIEMENS BASF We create chemistry ...

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Catena-X
Automotive Network

Thorsten Dikmann, BASF

Circular Economy

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The pressure is on to rethink the line.

GLOBAL WASTE IN 2050

>3.4

BILLION TONS

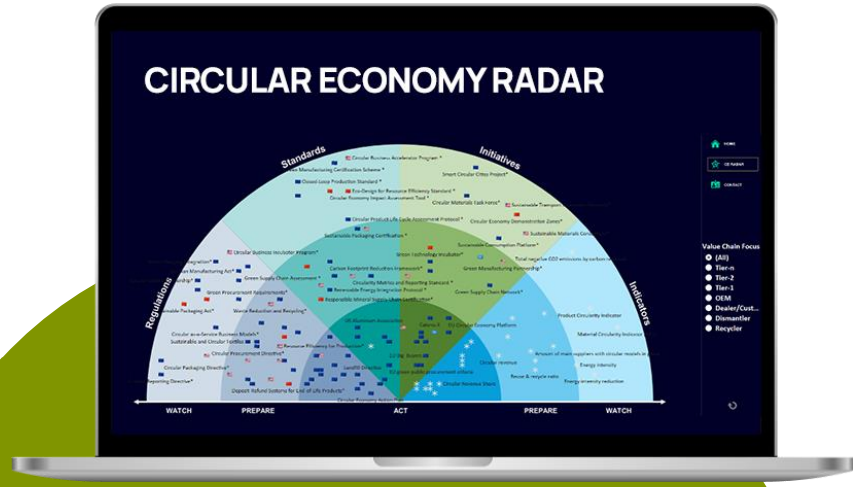
EUROPEAN CLIMATE CHANGE ACT

CLIMATE NEUTRALITY

2050

NUMBER OF PLANET EARTHS NECESSARY TO MEET RESOURCE NEEDS

1.6



Catena-X is a key solution enabling a Circular Economy in the automotive value chain

Building products to industrialize circular economy.

Circularity Dashboard
Secondary material quota calculation & transparency - activation

Marketplace
Purchasing of materials and components including scenario calculation

Assetmngt. & Tracking
Management of assets

R-Strategy Assistant
Feedback-2-Design & Compliance for OEM & TIER-N

Digital Product Pass
Regulatory compliance & transparency for each component

Why we need a Digital Product Passport

Maximize
Product Transparency

Fulfill
Regulatory Compliance

Improve
Circularity Potential

How Catena-X supports Digital Product Passes

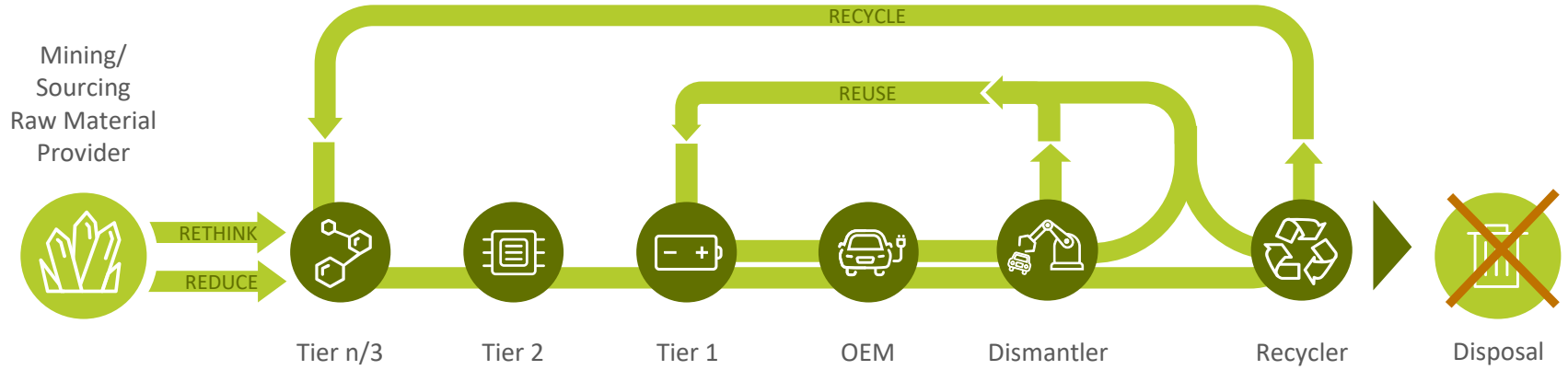
Standardized data model that specifies the content of a passport

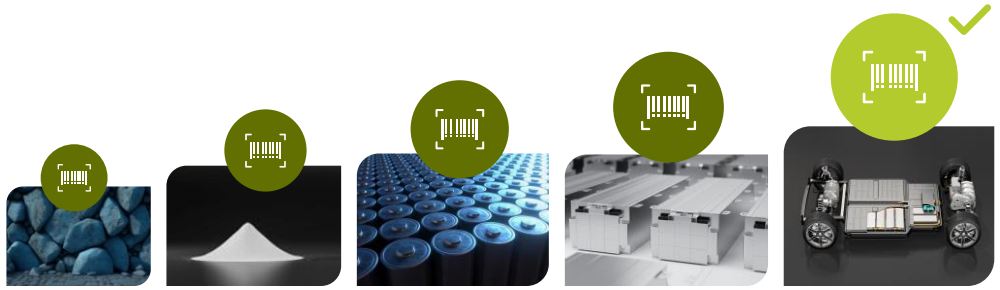
Infrastructure for providing and consuming data

Application for accessing and viewing the passport

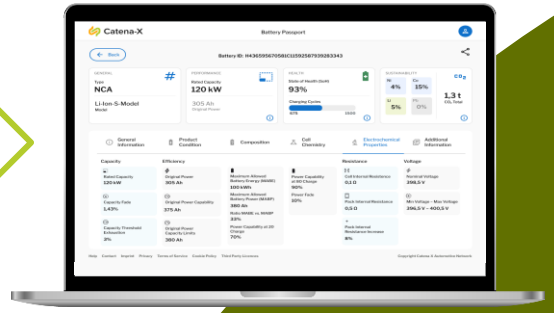
→ Started with a “Battery Passport”

Generate a product passport by aggregation along the value chain



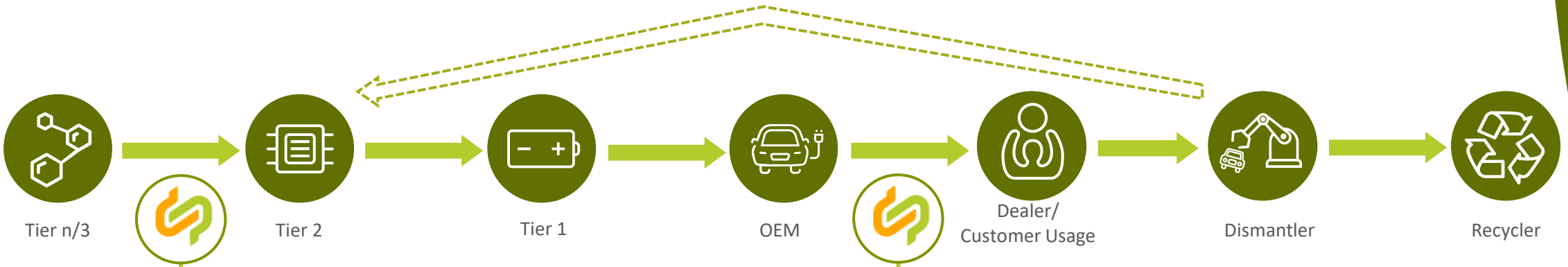


From **mining** information ... ... through **material** passports... ... **small part** passports... ... and **component** passports... ... to the **final product** passport ...



... which can then be provided by the OEM.

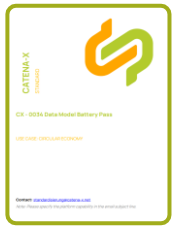
The value. First time value derivation is made possible by the trusted Catena-X data space.



Harmonized infrastructure

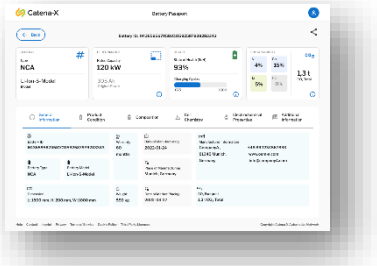
Your data is your data. Always.

Standardized data exchange

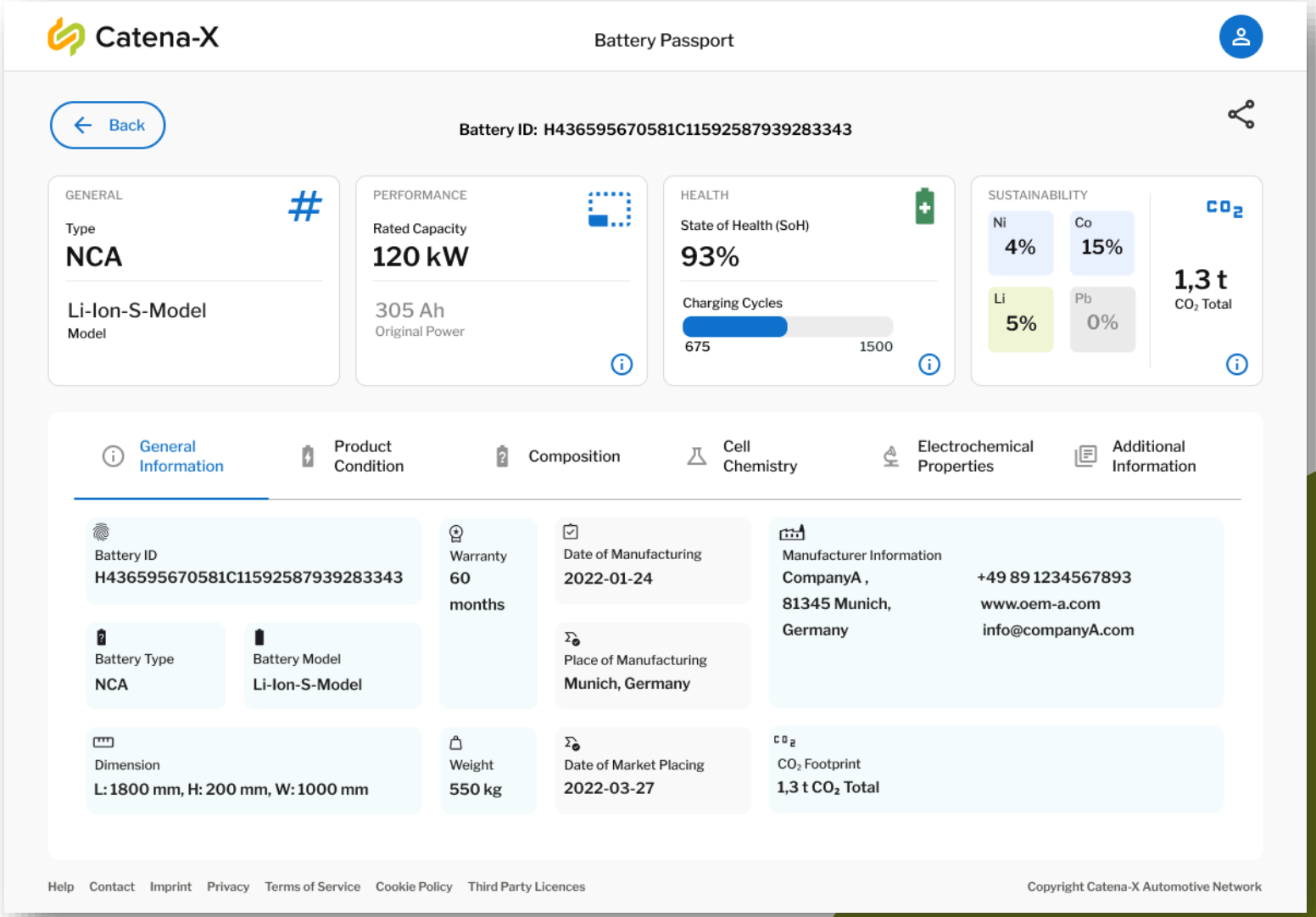


Catena-X Standard Library
Catena-X DataModel

BatteryPass Viewer App

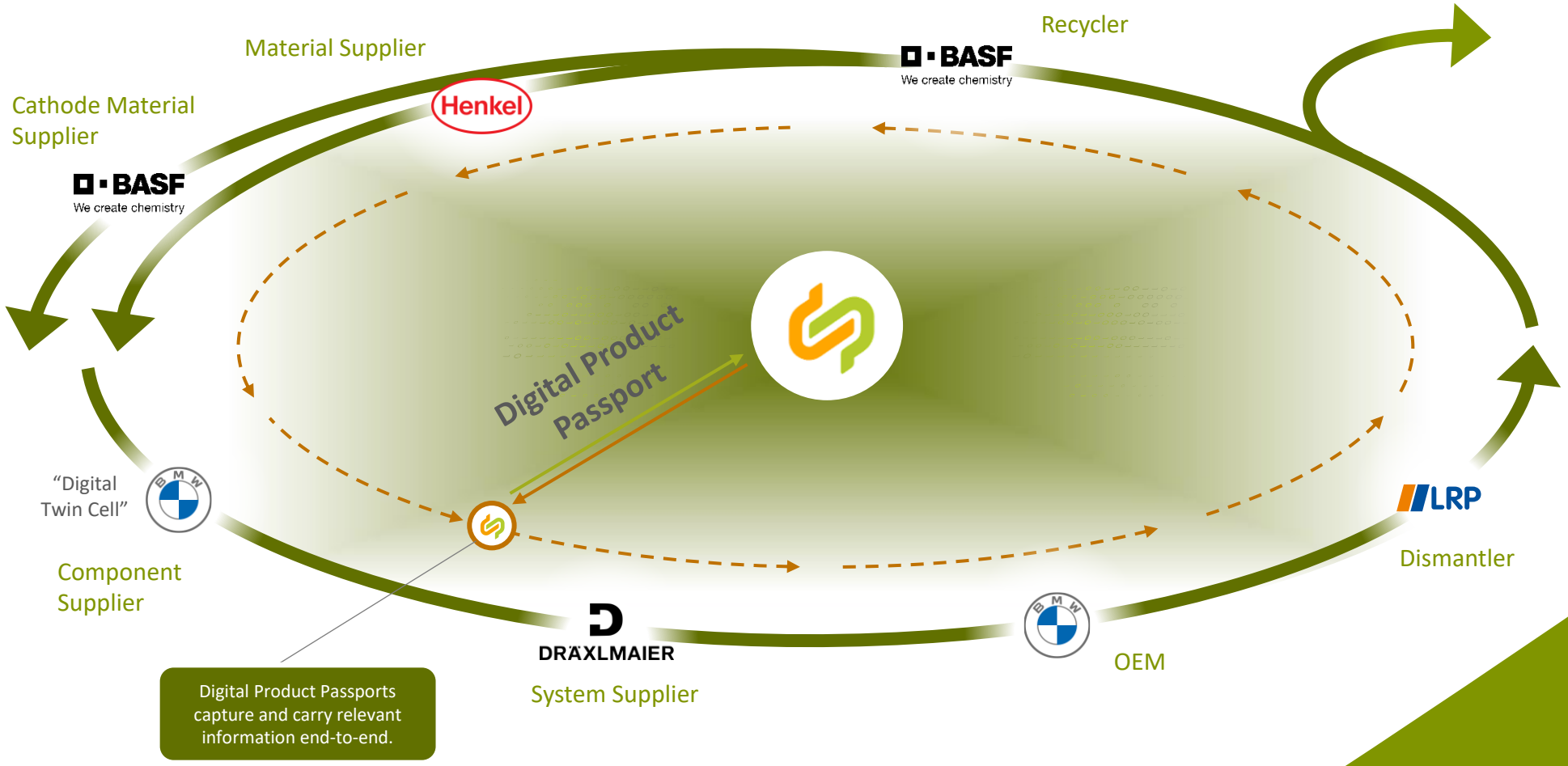


“Battery Pass Viewer”. Digital Product Passes, but tangible



It works.

If you choose to share your data, the material composition of your components can be kept in the cycle.



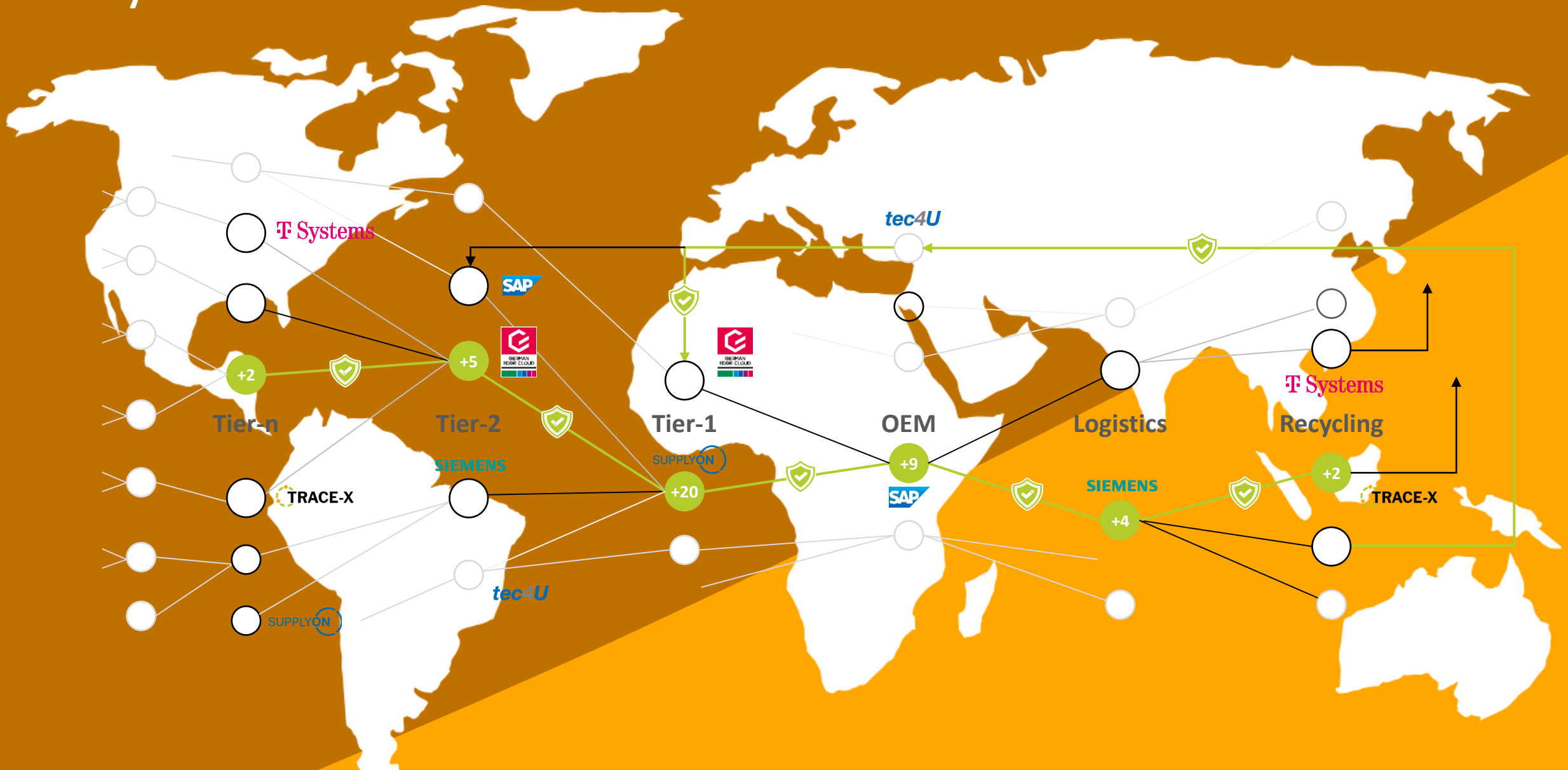
Catena-X

KITs

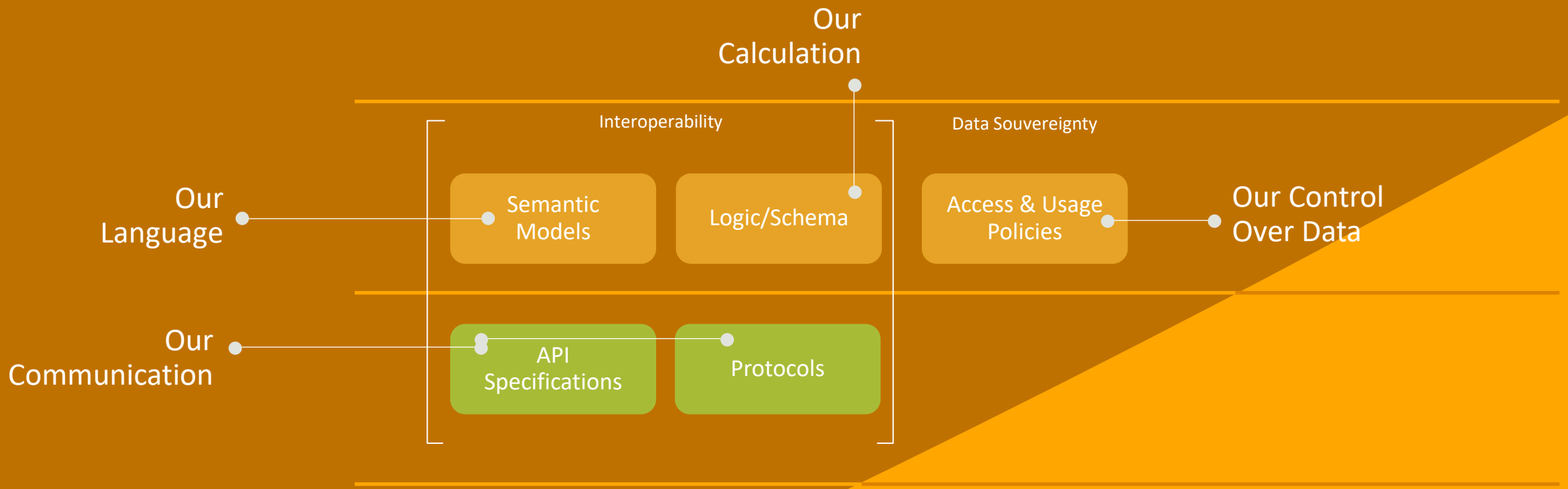
5. May 2023 North America Pre-Launch Event

Maximilian Ong
Business Domain Architect
Ecosystem & Kits

Why KITs?


T-Systems
SAP
+2
+5
Tier-n
Tier-2
TRACE-X
SIEMENS
SUPPLYON
tec4U
Tier-1
+20
SUPPLYON
tec4U
OEM
+9
SAP
Logistics
SIEMENS
+4
T-Systems
Recycling
+2
TRACE-X

What keeps it (us) together?



The minimal setup for a data driven value chain

CATENA-X KITS

provide software components, standards, policies, and deployment scripts to accelerate the adoption and development of Catena-X use cases.

The key customer of our KITs is the solution developer.

ADOPTER

- Connect to the Catena-X data space
- Boost your data readiness and governance
- Provide and consume data
- Be part of the community
- Adopt data-driven business processes

SOLUTION PROVIDER

- Create interoperable solutions
- Profit from developer resources
- Accelerate development with open source
- Be inspired by innovative solutions

Our initial Catena-X Business Domains

NETWORK & CORE SERVICES

SUSTAINABILITY

RESILIENCY

PLM & QUALITY

Our KITs toolbox

Vision/Mission

Business Value(s)

Tutorials/ Videos

Whitepaper (e.g., Context)

Scope for Standardization/Certification

Semantic Models

Logic/Schema

Business Processes

Access & Usage Policies

API Specifications

Protocols

Sample Data

Reference Implementation

Architecture

Conformity Assessment Criteria

Quick Setup Guide

Deployment Scripts

Catena-X offers a dedicated set of tools to empower and stimulate interoperable solutions for each step of the customer journey.

Traceability KIT

Vision/Mission

Business Value(s)

Tutorials/ Videos

Whitepaper (e.g., Context)

Semantic Models

- BoM as planned
- BoM as built

Access & Usage Policies

- BPN Access Policy
- Purpose-based Usage Policy

API Specifications

- Notification API

Sample Data

- As Planned Submodels Sample Data
- As Built Submodels Sample Data

Reference Implementation

- Trace-X App
- Simple Data Exchange App

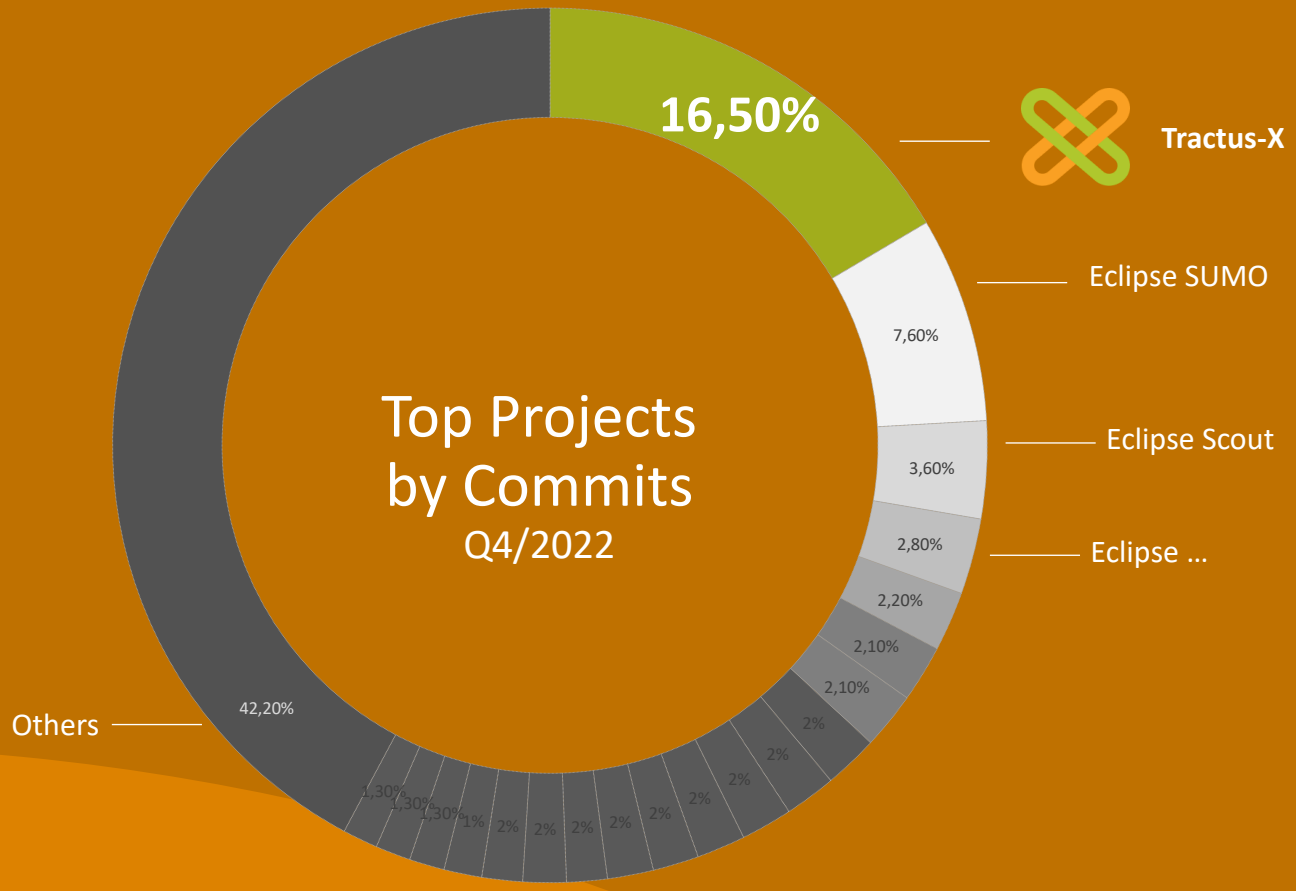
Architecture

- Building Block Architecture

Quick Setup Guide

Deployment Scripts

What we achieved so far?

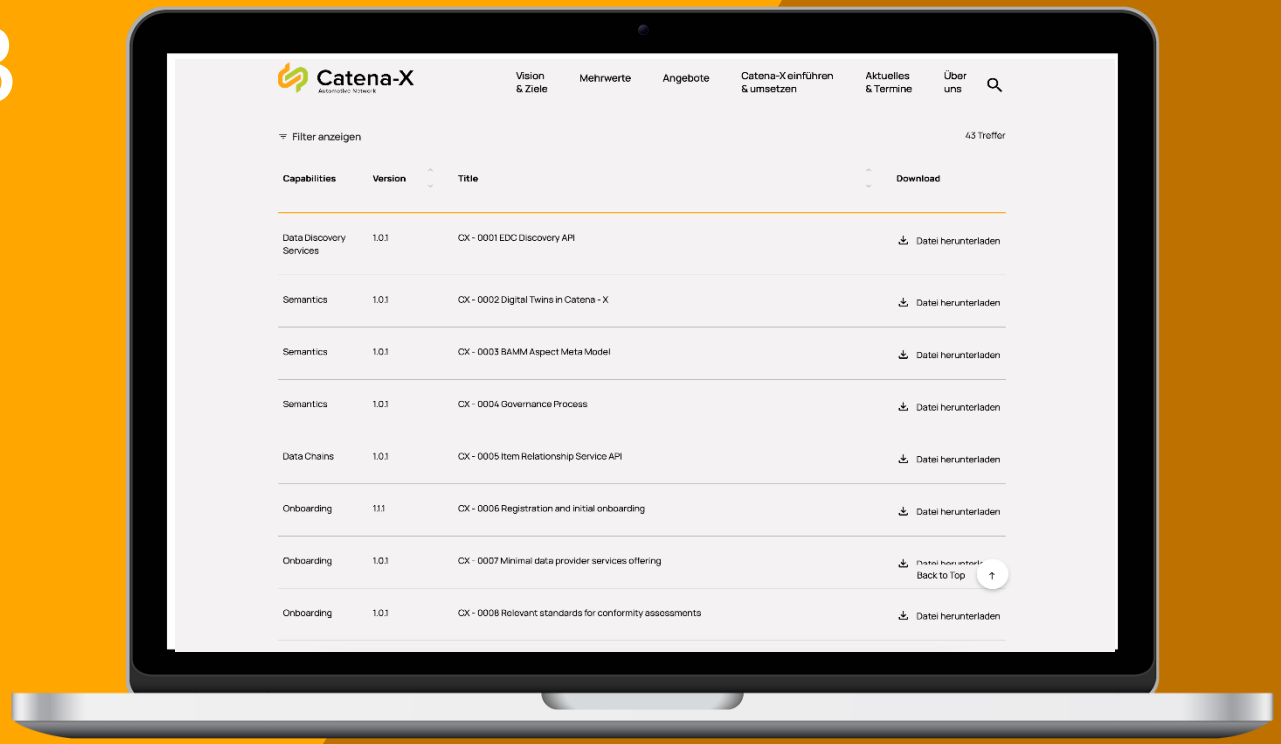


ECLIPSE®
FOUNDATION

What we achieved so far?

Published 43 Standards

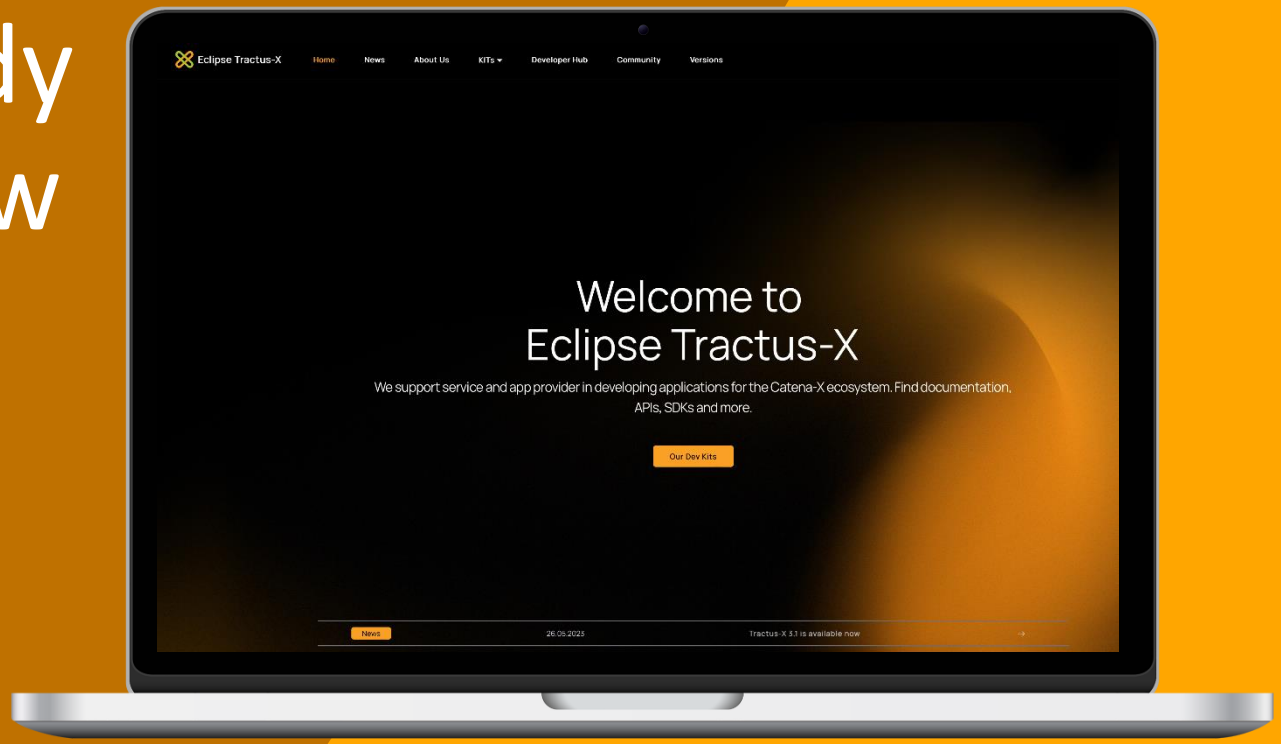
On Catena-X.net



What we achieved so far?

4 KITS already available now

On Tractus-X.com



And there is a lot more to come..

Catena-X KITs offering in 2023

	RELEASE 3.0 03.03.2023	RELEASE 3.1 17.05.2023	RELEASE 3.2 18.08.2023	RELEASE 3.3 17.11.2023
PLM & QUALITY	Traceability KIT V 0.1		Traceability KIT V 0.2 Behavior Twin KIT V 0.2 Quality KIT PREVIEW	
RESILIENCY		DCM PREVIEW	DCM KIT V 0.1 OSim KIT V 0.1	
NETWORK & CORE SERVICES	Connector KIT V 0.1 Business Partner KIT V 0.1 DataChain KIT V 0.1	Connector KIT V 0.2 DataChain KIT V 0.2	Connector KIT V 0.3 Digital Twin KIT V 0.1 Business Partner KIT V 0.2 DataChain KIT V 0.3	Connector KIT V 0.4
SUSTAINABILITY			Eco Pass KIT V 0.1 Circularity KIT V 0.1 PCF KIT V 0.1	
	Q1	Q2	Q3	Q4

Why are KITs so important?

INNOVATION

Kits are part of the Eclipse project Tractus-X, which is open for use and collaboration within a community of developers.

Let´s share ideas and expertise!

TRANSPARENCY & SECRUTIY

Mutually developed standards and artifacts foster trust and collaboration governed by the association.

We share the same interests.

ECOSYSTEM

Kits development is the foundation for further use cases, business applications, and services.

Collaborate & create partnerships!

Let´s work together

tractus-x.com

Testimonials Why Catena-X

Pramita Mitra
Ford

Jeff Schlageter
IBM

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June 2023

Cofinity-X™

Thomas Rosch

Cofinity-X

BASF, BMW Group, Henkel, Mercedes-Benz, SAP, Schaeffler, Siemens, T-Systems, Volkswagen and ZF jointly founded Cofinity-X.

We develop and operate applications, core services and a marketplace for Catena-X

Founded: 2023

Location: Cologne, Germany

Cofinity-X

Cofinity-X within the Catena-X ecosystem

Cofinity-

- Easy & Fast On-boarding
- Core Services
- Marketplace, Applications & Services

First operating company
to kick-start the ecosystem

Catena-X
Automotive Network

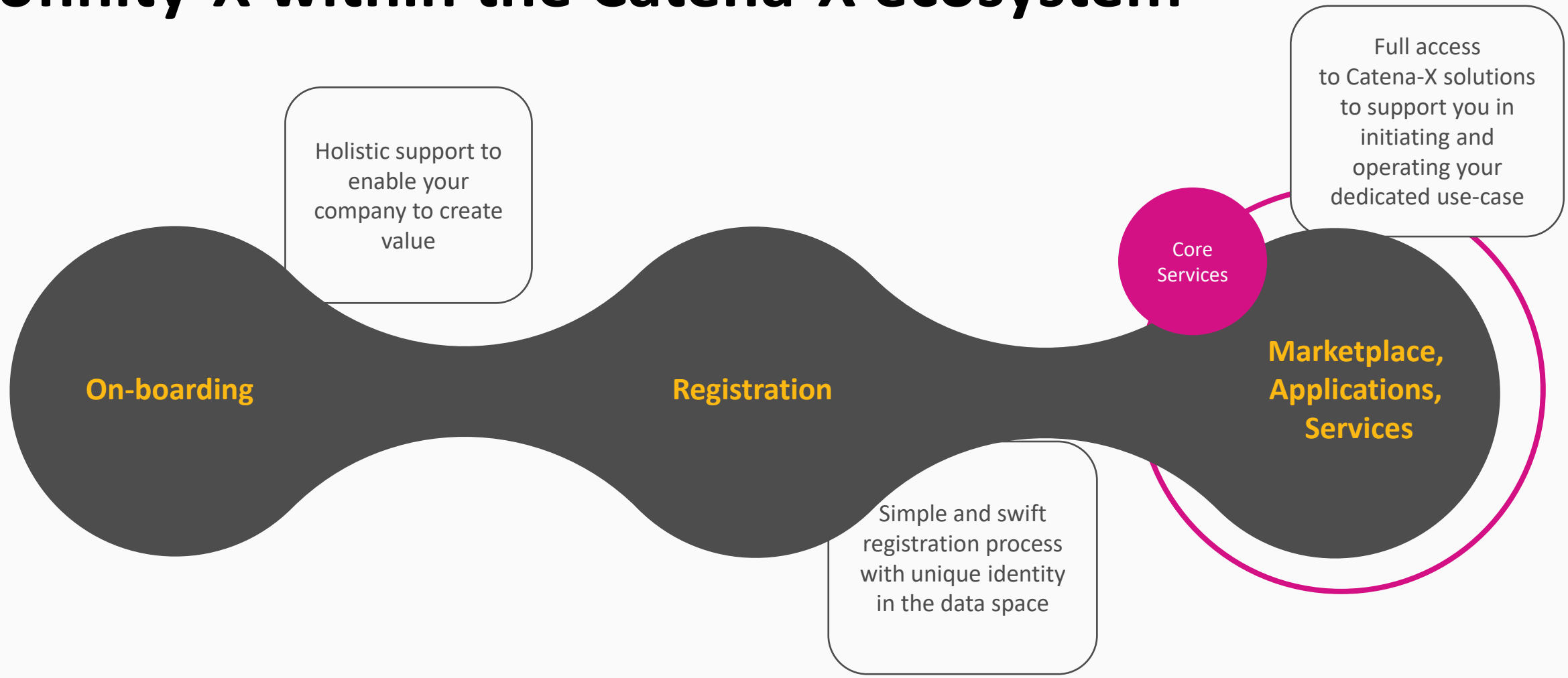
- Defines the governance for the data space
- Sets standards for the data exchange
- Certifies solutions
- Activates the industry

- Develops initial solutions for the network (Open Source)
- On-going development of solutions (proprietary)

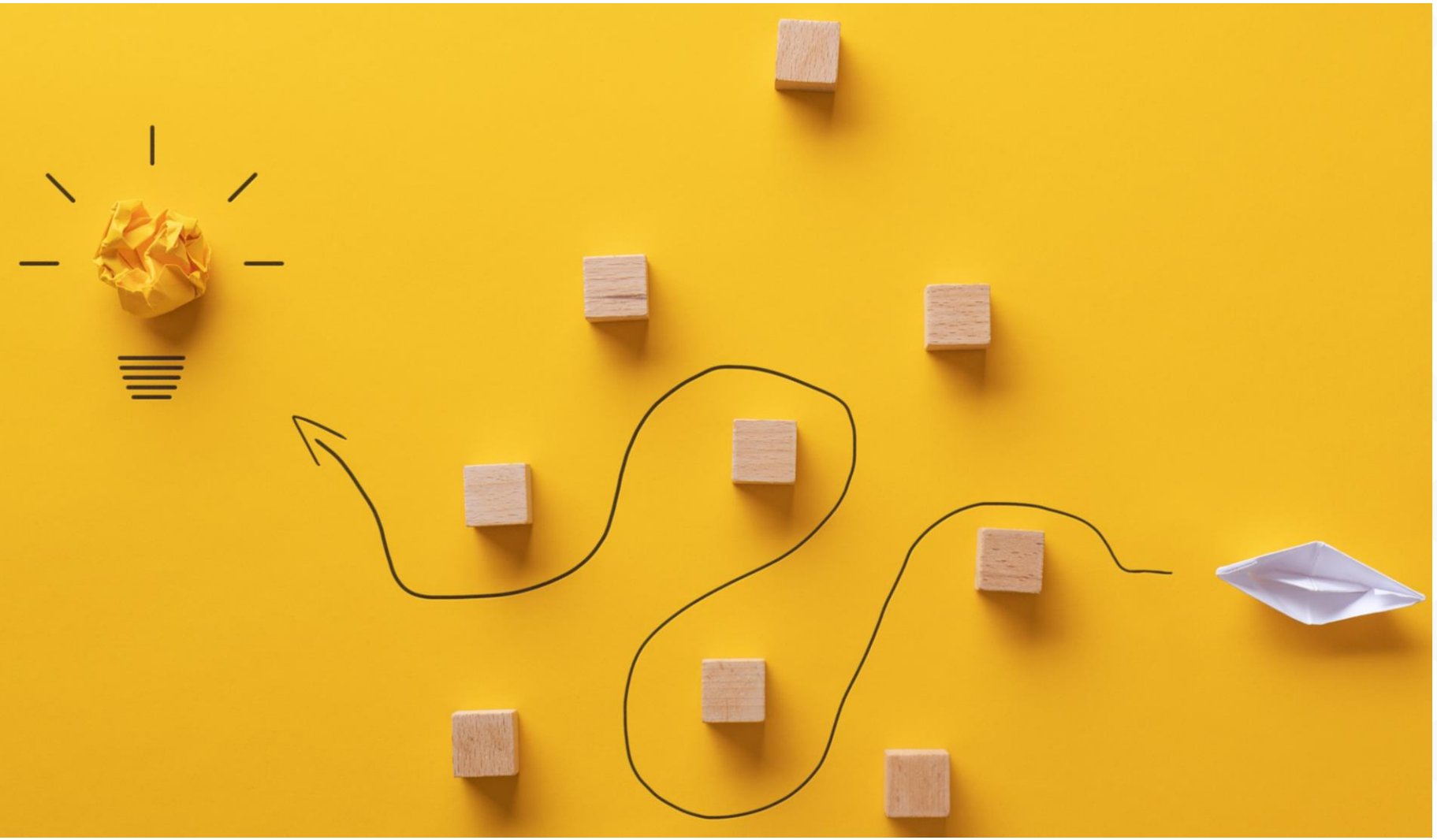
Development Environment

Cofinity-X

Cofinity-X within the Catena-X ecosystem



Cofinity-X: Vision On-Boarding



EVERY JOURNEY STARTS WITH GETTING ABOARD.

Cofinity-X™

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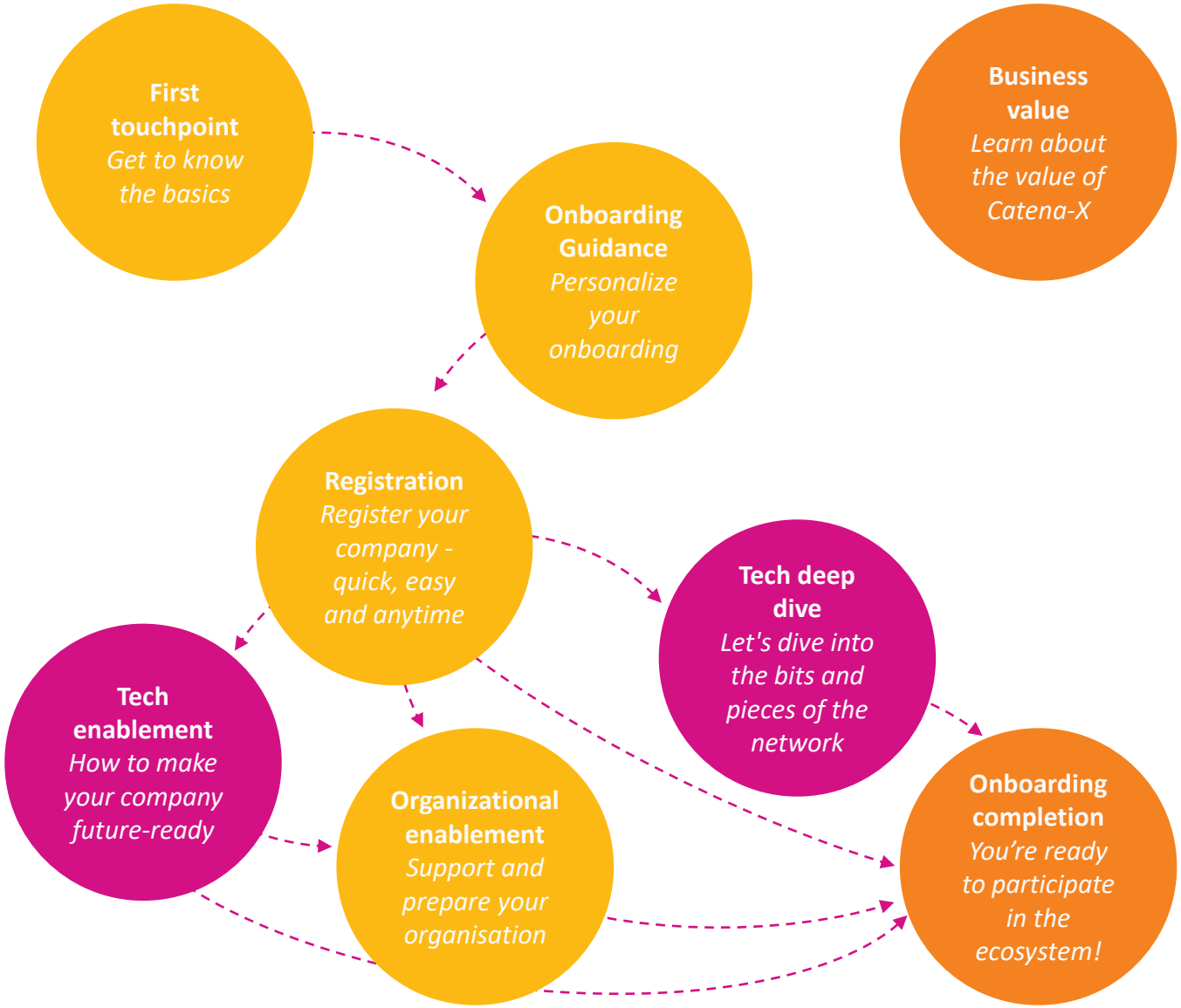
The onboarding vision

Our modular onboarding experience will allow all our future partners to join in the way and pace they want to



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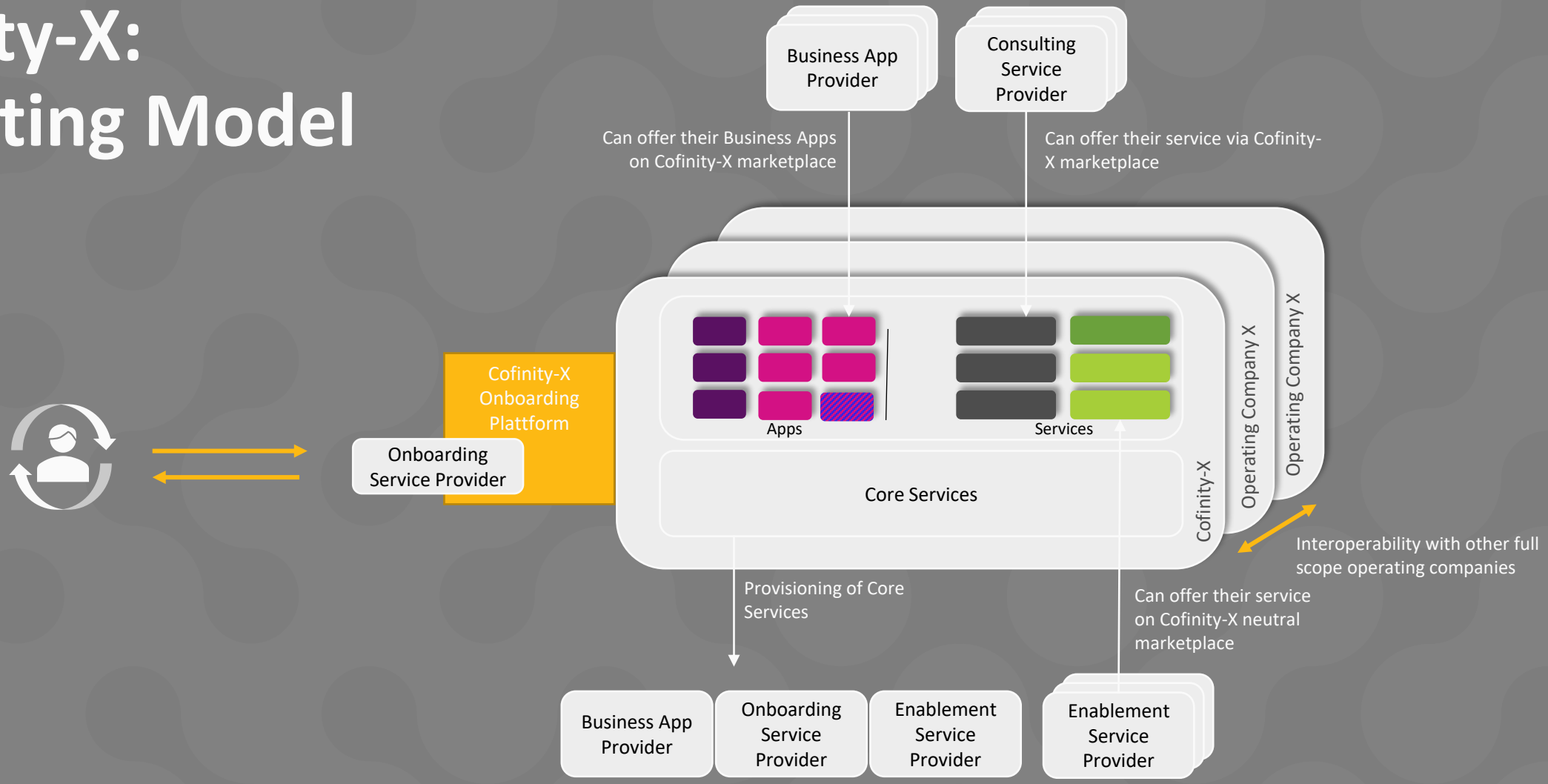
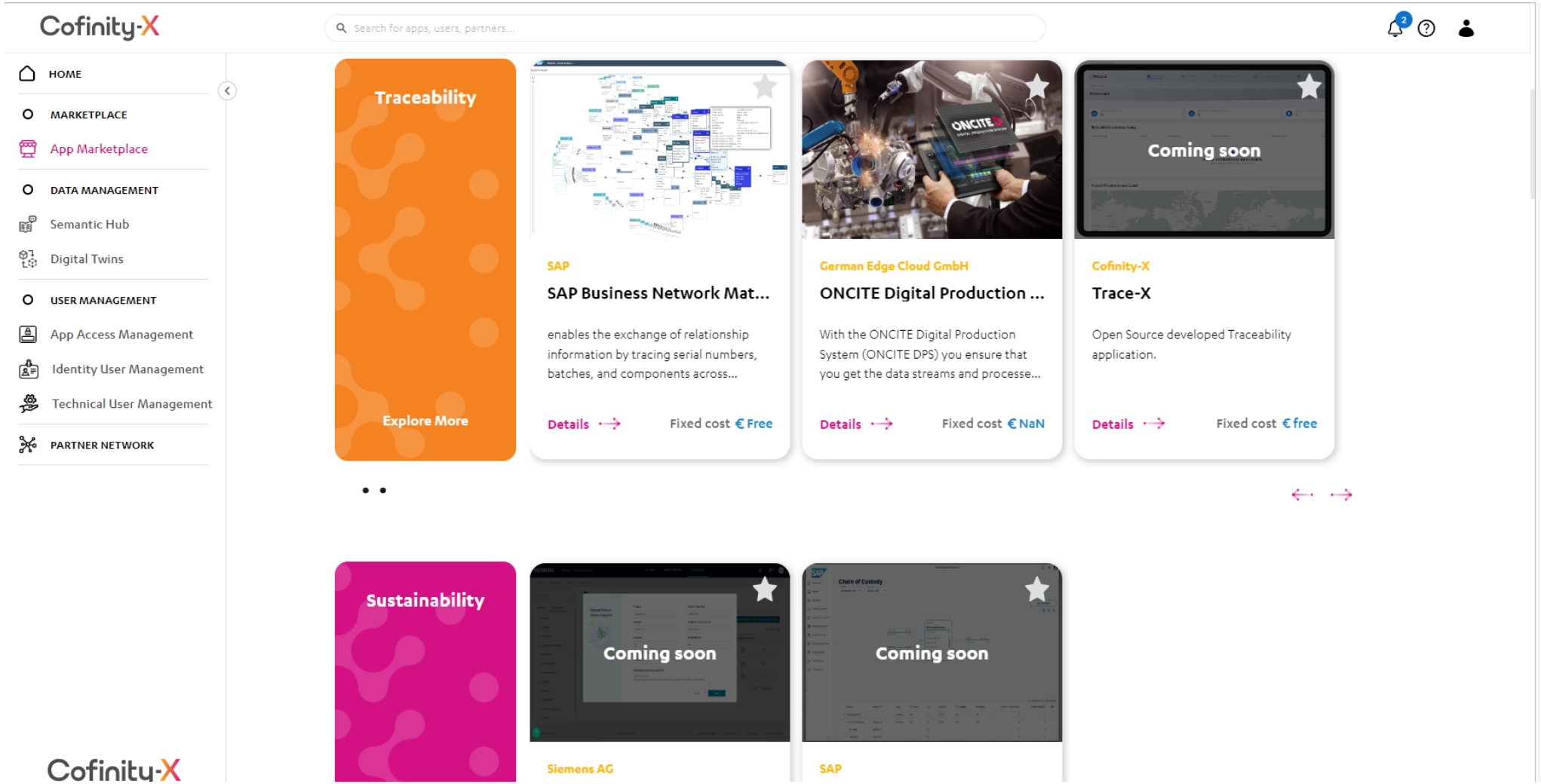
Cofinity-X: Operating Model



- Cofinity-X Business Application
- 3rd Party Business Application
- Cofinity-X Enablement Service (e.g. EDCaaS)
- 3rd Party Enablement Service
- 3rd Party Consulting Service
- 3rd Party Business Application operated by Cofinity-X

Portal App Marketplace - Overview



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Marketplace – Third Party Provider - Apps

Cofinity-X

Search for apps, users, partners...

HOME

MARKETPLACE

App Marketplace

DATA MANAGEMENT

Semantic Hub

Digital Twins

USER MANAGEMENT

App Access Management

Identity User Management

Technical User Management

PARTNER NETWORK

App Marketplace / SiGREEN

Siemens AG

SiGREEN

Use Case: **Sustainability**

Language: **german, english, chinese, spanish, japanese, portuguese, Korean**

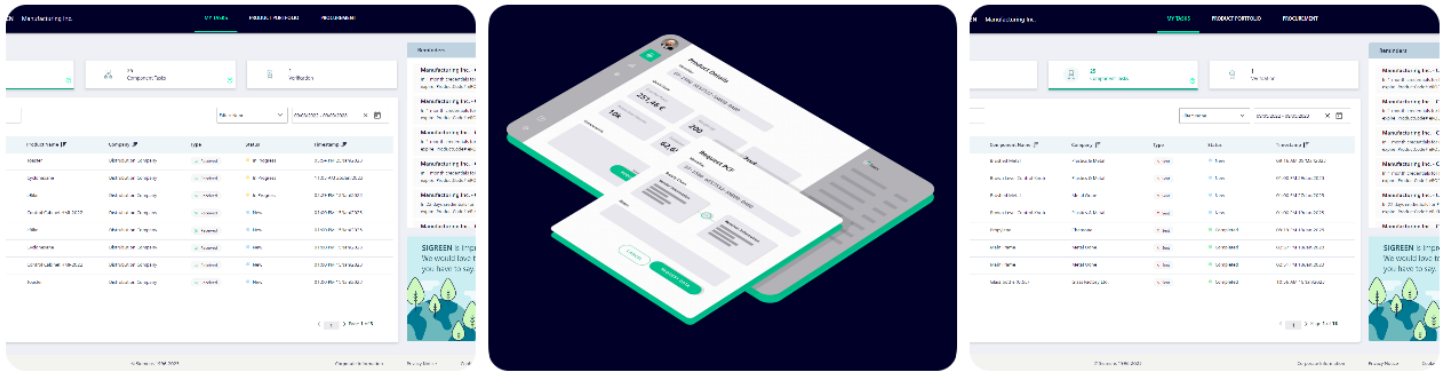
PCF CarbonFootprint

Requested

Description Features Pricing Privacy Policy Relevant Documents Provider Information

Description

SiGREEN is a full-featured Product Carbon Footprint (PCF) management SaaS application for exchanging and aggregation of PCF from the supply chain and own operations. With SiGREEN companies can pursue their decarbonization goals with targeted emission management on product level. SiGREEN can be operated standalone enabling fast supplier onboarding as well as integrated in OT/IT-landscape for high level of automation.



Cofinity-X

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Marketplace – Cofinity-X Apps based on Catena-X

Cofinity-X

Search for apps, users, partners...

HOME

MARKETPLACE

App Marketplace

DATA MANAGEMENT

Semantic Hub

Digital Twins

USER MANAGEMENT

App Access Management

Identity User Management

Technical User Management

PARTNER NETWORK

App Marketplace / Digital Battery Pass

Cofinity-X

Digital Battery Pass

Use Case: **Circular Economy**

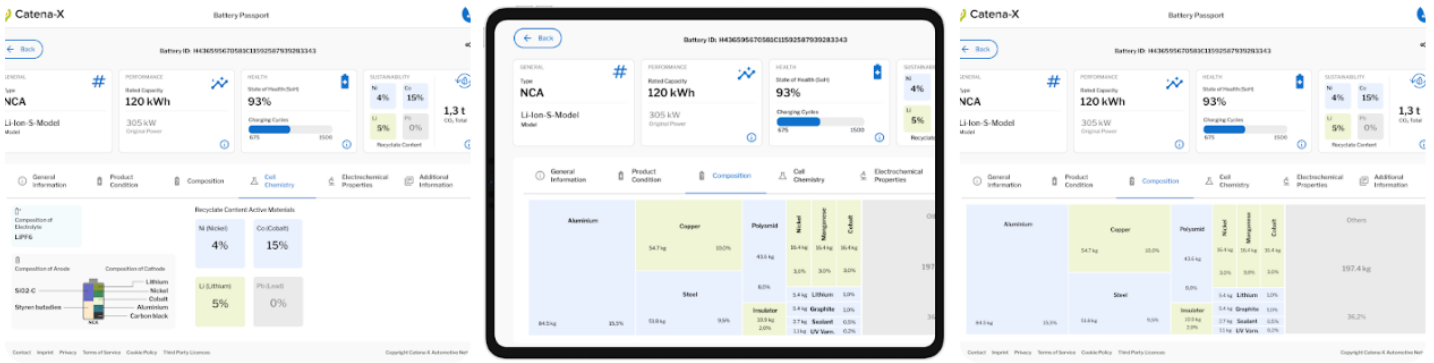
Language: **german, english**

Subscribe

Description | Features | Pricing | Privacy Policy | Relevant Documents | Provider Information

Description

The application Digital Product Pass visualizes the information from a digital product passport and thus offers the possibility for further processing and analyzing the data. The information is provided in a standardized and data-sovereign format, thus offering a new basis for secure data transfer. Hence, the benefits include both the fulfillment of regulatory requirements for compliance with sustainability standards as well as the utilization of transparency to improve several business processes.



Cofinity-X

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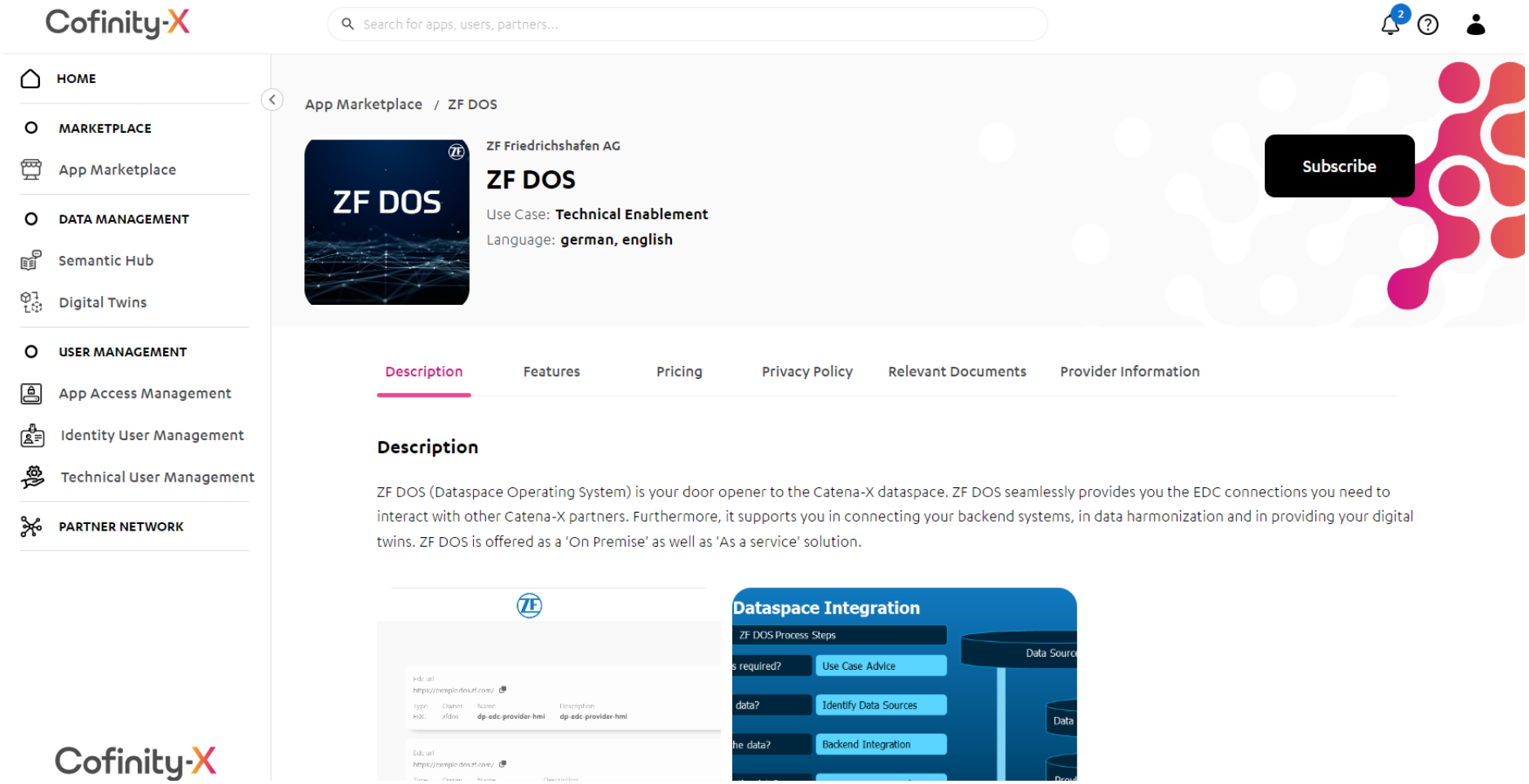
Marketplace - Technical Enablement Services



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Portal – Semantic Models

Cofinity-X

Search for apps, users, partners...

- HOME
- MARKETPLACE
- App Marketplace
- DATA MANAGEMENT
- Semantic Hub
- Digital Twins
- USER MANAGEMENT
- App Access Management
- Identity User Management
- Technical User Management
- PARTNER NETWORK

Data Management / Semantic Hub

Semantic Data Models

Semantic models are used to structure data. As a concept, they make it possible to give fundamental meaning to data and their relationships. In the context of data modeling and data organization they realize the development of applications as well as the maintenance of data consistency.

Create new data model

All | Released | Draft | Deprecated

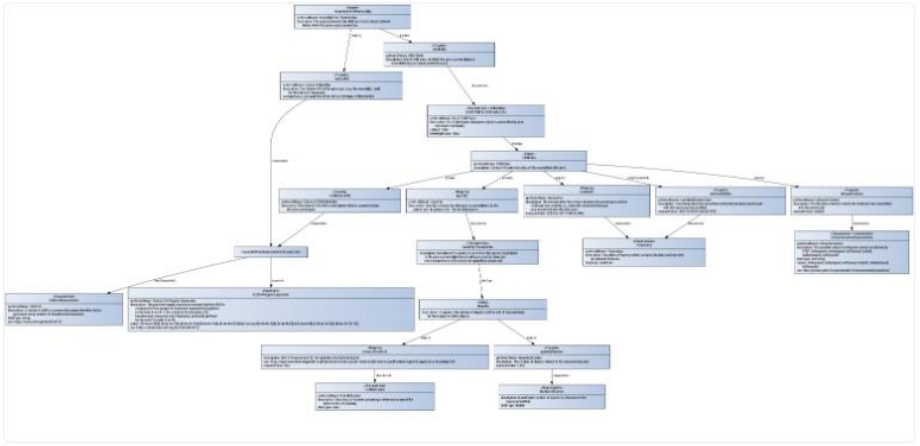
Name	Vocabulary Type	Version	
AssemblyPartRelationship	BAMM	1.1.1	
Batch	BAMM	1.0.1	
Batch	BAMM	1.0.2	
BatteryPass	BAMM	2.0.0	RELEASED →

Cofinity-X

AssemblyPartRelationship

Version	1.1.1
Status	RELEASED
Aspect model URN	urn:bamm:io.catenax.assembly_part_relationship:1.1.1#AssemblyPartRelationship

Diagram of the aspect model



Download options related to this aspect model

TTL file | Documentation | JSON Schema | Example Payload JSON

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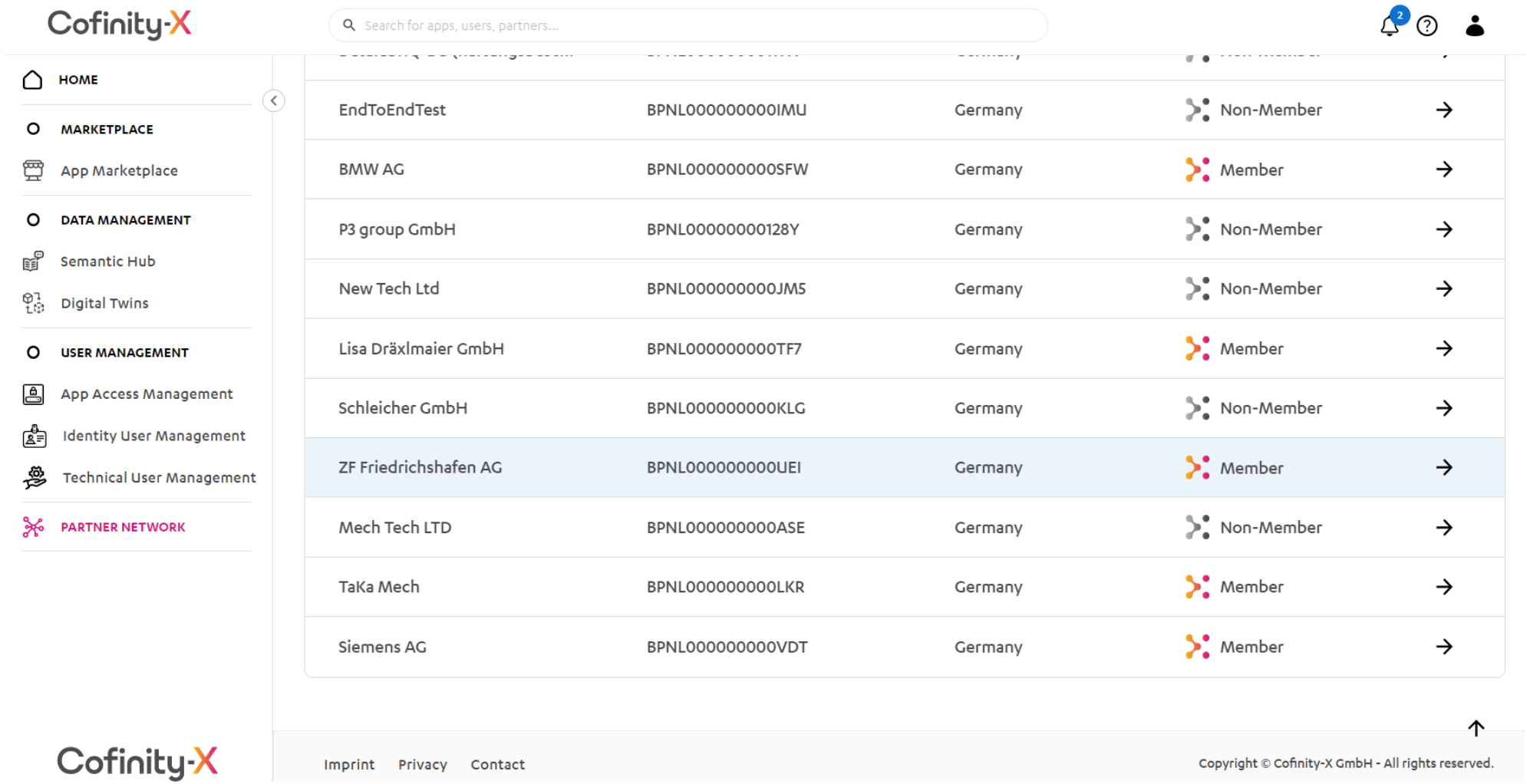
Portal – Registered Partners



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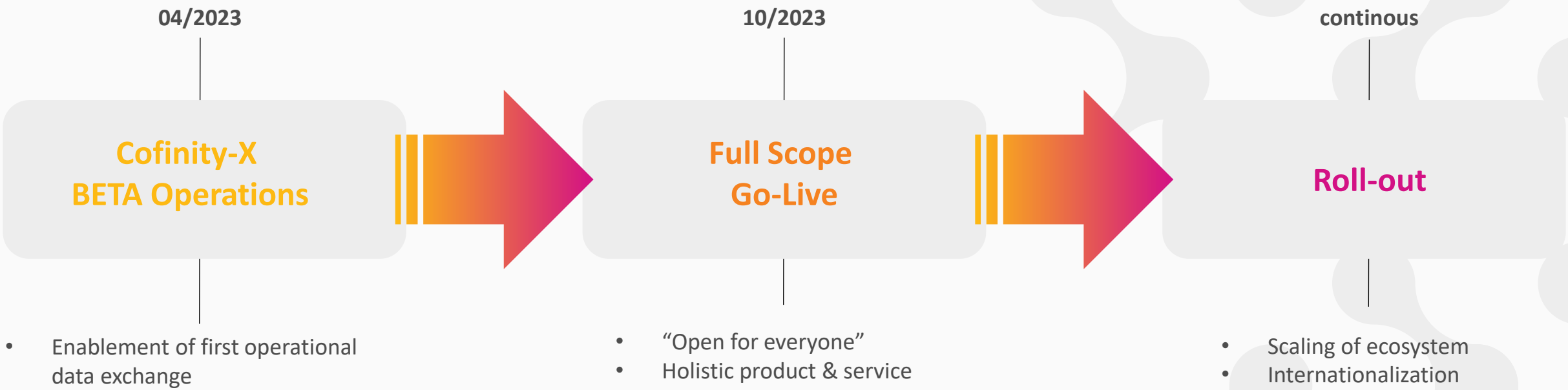
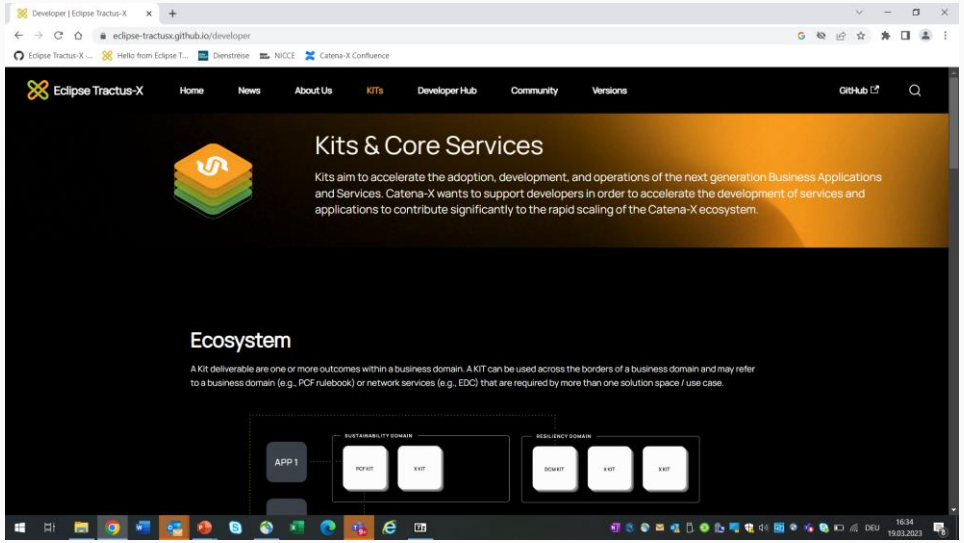
PROCESS

Cofinity-X Roadmap to kickstart the ecosystem



Cofinity-X Summary



- From Open Source to Beta Phase within 3 Month
- All needed components available in Open Source on Tractus X with great support from Catena-X Association
- Focus on Security and Operational in the next months
- We see a big potential for app and service provider adapting the solutions for local requirements and market
- Catena-X core services and marketplace are available and running !

Let’s connect and start a great journey together

info@cofinity-x.com or www.cofinity-x.com

Innovation through collaboration

Agenda

12 – 1 pm Arrival & Lunch

1 – 3 pm

Welcome to Austin!
Oliver Ganser & Jeff Schlageter (5min)

Catena-X 101
Oliver Ganser (30min)

Catena-X KITs & Benefits
PLM / Quality: Traceability – Oliver Ganser (15min)
Sustainability: CO_2 Reduction – Niels Angel (15min)
Sustainability: Circularity & Battery Pass – Thorsten Dikmann (15min)

Catena-X KITs & Open Collaboration
Maximilian Ong (15min)

Q&A & Short Break (25min)

3 – 5 pm

Catena-X Global Adoption & onBoarding
Partner Testimonials – Interview with Pramita Mitra & Jeffrey Schlageter (15min)
Catena-X's first Operating Company Cofinity-X – Thomas Roesch (30min)
Launch of Catena-X North America Hub - Frank Goeller & Christoph Schlueter-Langdon (20min)

Catena-X Panel Discussion "Trust and Interoperability"
Host: Frank Köster
Panelists: Lars Nagel, Roland Fadrany, Christoph Schlueter-Langdon and Thomas Roesch

5 – 6 pm Get together & buffet

Our Speakers

Oliver Ganser
Chairman of the Board, Catena-X
Head of Industry Consortium, Catena-X
BMW Group

Jeff Schlageter
Member of the Board, Catena-X
GM Global Manufacturing and Energy
IBM

Niels Angel
Sustainability: CO_2 & ESS, Catena-X
BMW Group

Thorsten Dikmann
Circularity: Digital Material Passport, Catena-X
BASF

Prof. Dr. Christoph Schlueter-Langdon
Product Manager, Catena-X
T-Systems

Prof. Dr. Frank Köster
Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR)
Institute for AI-Security

Roland Fadrany
COO
GAIA-X

Lars Nagel
CEO
International Data Spaces Association

Maximilian Ong
Business Architect KITs, Catena-X
Mercedes-Benz

Pramita Mitra
Supply Chain Digitization Strategy and Integration
Ford

Frank Göller
VP Internationalization, Catena-X
Head of Digital Production & Processes
Volkswagen

Thomas Rösch
CEO
Cofinity-X

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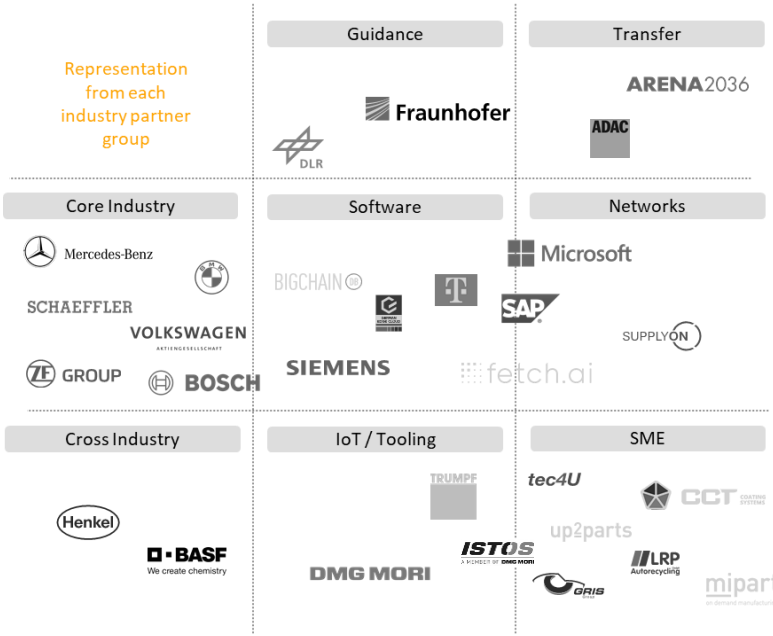
Frank Goeller
Head of Digital Production Volkswagen AG
VP Internationalization Catena-X

Starting and scaling the Catena-X data ecosystem

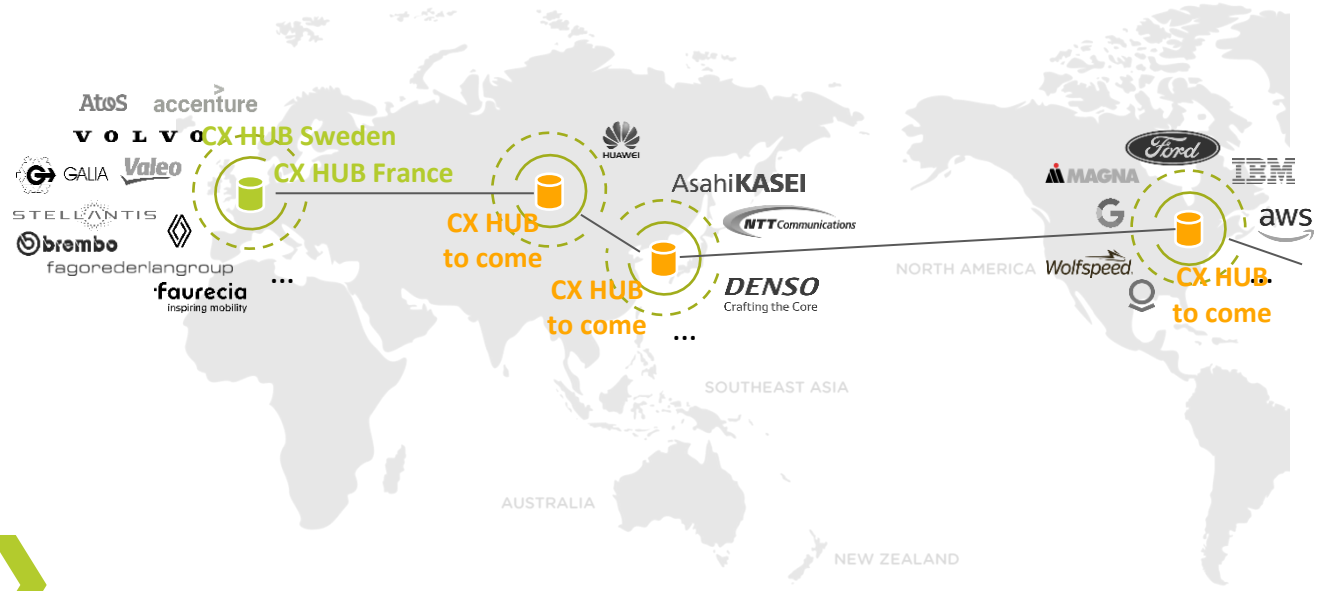
Catena-X is a global initiative which targets to allow flow of information between all regions worldwide

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



152 global partner in Catena-X association (04/2023)

examples of international Catena-X members; for a complete list click here

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Catena-X Hubs are the local booster of the Catena-X global network

Think global - Act Local - Scale beyond traditional boundaries

The Catena-X Hub

acts as a **local embassy representing Catena-X**

The Catena-X Hub

connects key stakeholders & shares knowledge

The Catena-X Hub

fosters **local adoption** & scales Use Cases & local solutions

Mission: Build a global network with strong local involvement

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France started the first Catena-X Hub

which is hosted by GALIA (French Industry Automotive Association)

Hub France

All main stakeholders gathered in the French automotive network (PFA) to express their wish to be part of Catena-X

Organizational structure of the Hub

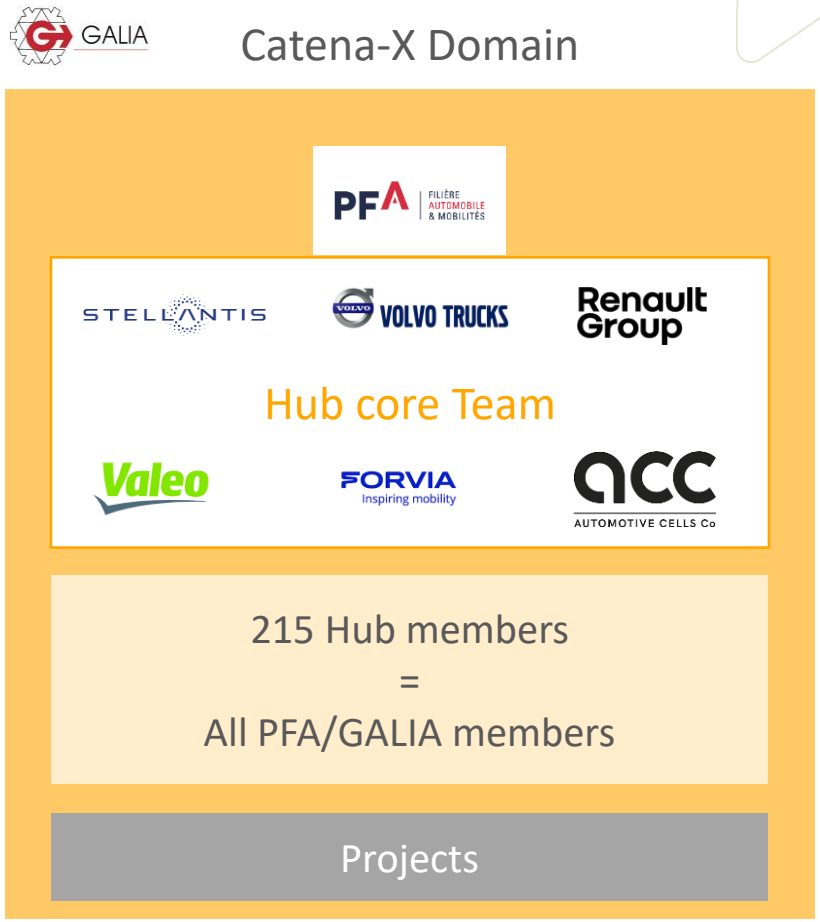
- The “French Industry Catena-X Hub” is hosted by GALIA, chaired by the PFA and key roles are shared between them
- All PFA/GALIA members are Hub France members
- Members of the Hub Core Team are PFA/GALIA & Catena-X members

Timeline of first international Catena-X Hub creation

✓ November 18th 2022: MoU signature during GAIA-X summit in Paris

✓ December 14th 2022: Hub core team kick off and roles repartition

July 2023: Agreed on Hub contract signing



Five phases to kick-start a Catena-X Hub
and become an operational organization

Phase	Key Milestones
0. Pre-candidate	Sharing the vision, values & overall good fit
1. Application	NDA is signed
2. Candidate	MoU is signed
3. Onboarding/ Ramp-up	Hub is founded and contract is signed
4. Operationalization	Hub is operational

Hub Roles to organize the local movement (template)

- Chief Executive Officer
- Chief Financial Officer
- Chief Information Officer
- Communication Manager
- Portfolio Manager (UC Leader)
- Stakeholder Manager
- Use Case Member
- Legal Topics Owner

We invite you to take on the pioneering role to launch the Catena-X Hub for North America

4-6 companies: 50% Automotive Partners / 50% Tech Companies

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Contacts for Starting a Catena-X Hub North America

In case you are interested in supporting this activity please reach out to by End of June 2023:

Jeff Schlageter
Member of the Board Catena-X e.V.

jschlage@us.ibm.com

Frank Goeller
VP Internationalization Catena-X e.V.

frank.goeller@volkswagen.de

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Panel Discussion

Trust & Interoperability

- Getting the Show in the Road -

Host: **Prof. Dr. Frank Koester**, DLR

Panelists: **Roland Fadrany**, COO GAIA-X
Prof. Dr. Christoph Schlueter-Langdon, T-Systems
Lars Nagel, CEO International Data Spaces Association
Thomas Roesch, CEO Cofinity-X

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We hope to work with you soon!

Summary of today, presentation and Flyer can be found here

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