



THE FIRST OPEN & COLLABORATIVE DATA ECOSYSTEM



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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

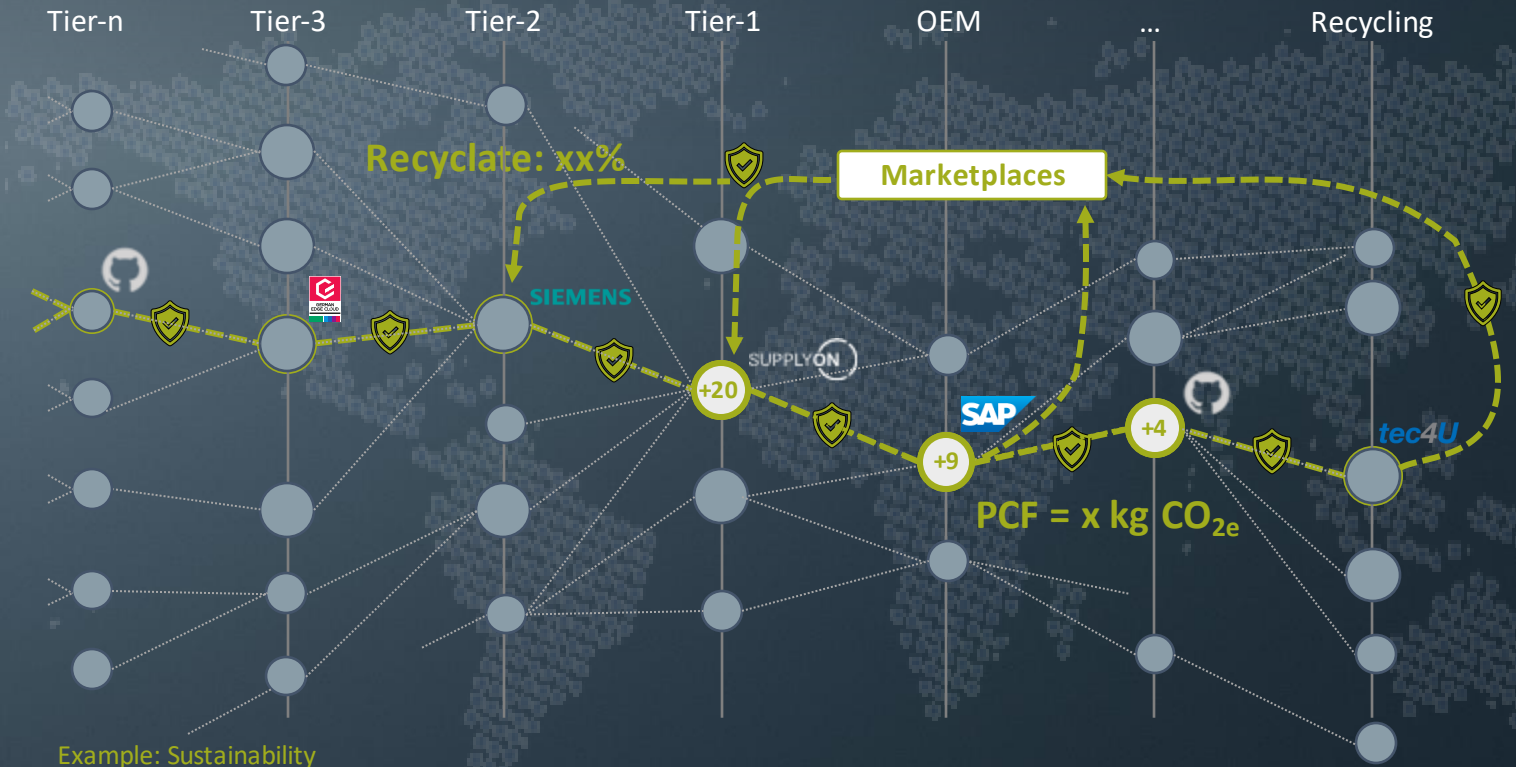


Our Mission for the Catena-X Data Ecosystem

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





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

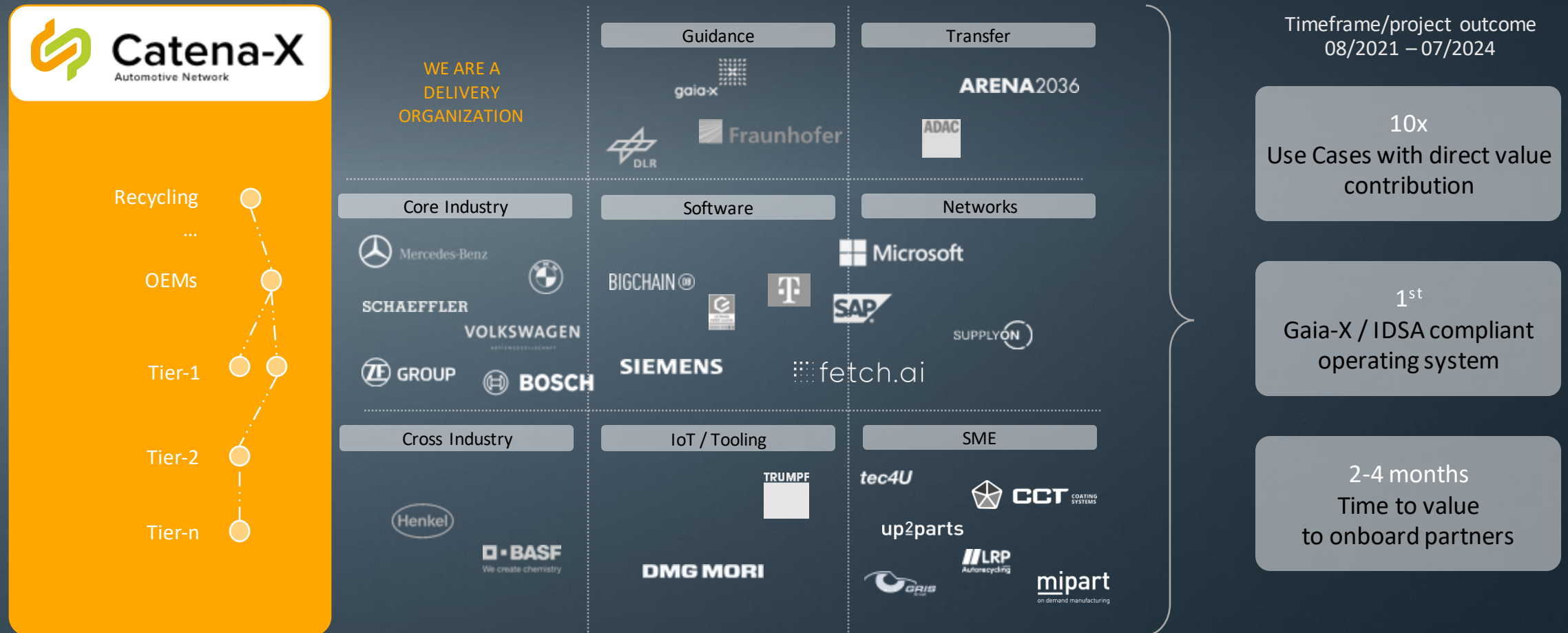
All industry players join forces to build, operate and utilize the data ecosystem - **Right from the Start**



and many more ...



Who is the Team to kickstart the Eco System?

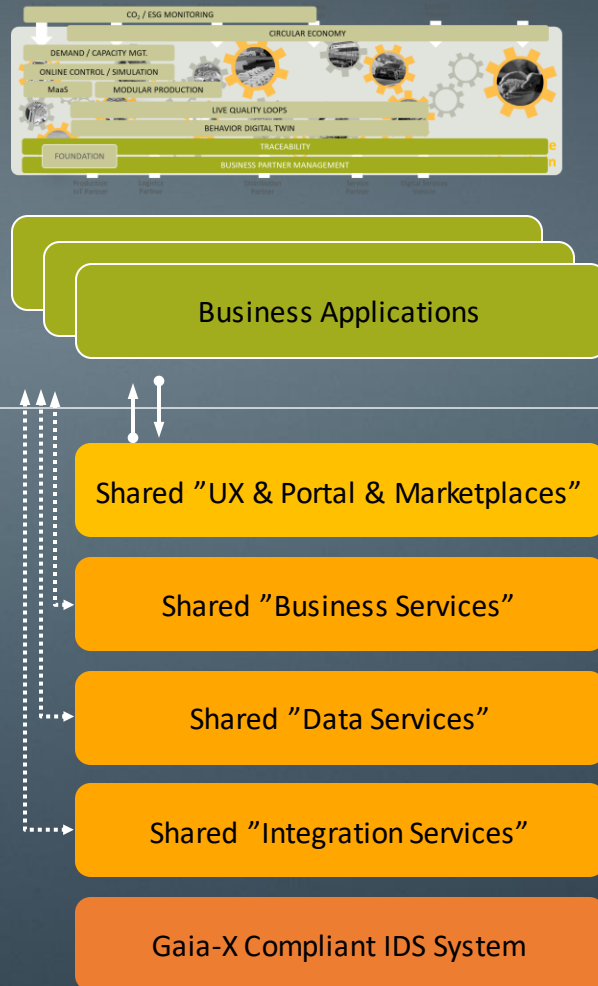




How Catena-X Works – GAIA-X Ready Architecture

Multiple
interoperable offerings
per use case, no lock in

ONE
mutually used
and federated
network base



Shared
strong network
capabilities

open source
community

GAIA-X / IDSA
(web3
principals)

Overview

Five Catena-X core network assets



- Product Highlight: Eclipse Data Space Connector **EDC**
- Pioneering approach to **unify all needs**
From **SME** to large corporations and providers of services & apps
- Incubation Room** for innovation & new business models
→ SDK & Open Source



First Use Cases to kickstart the network.

10 business-critical end-to-end use cases





Companies' Challenges in today's complex Supply Chains

Challenges & Root Cause



Accumulated overstatement of demand and its corrections along the n-tier supply chain

Capacity shortages at lower stages are revealed too late at upper stages

Unstructured data exchange without standardization

Missing information about crucial planning events like phase-in and –out of products

Supply Chain Symptoms



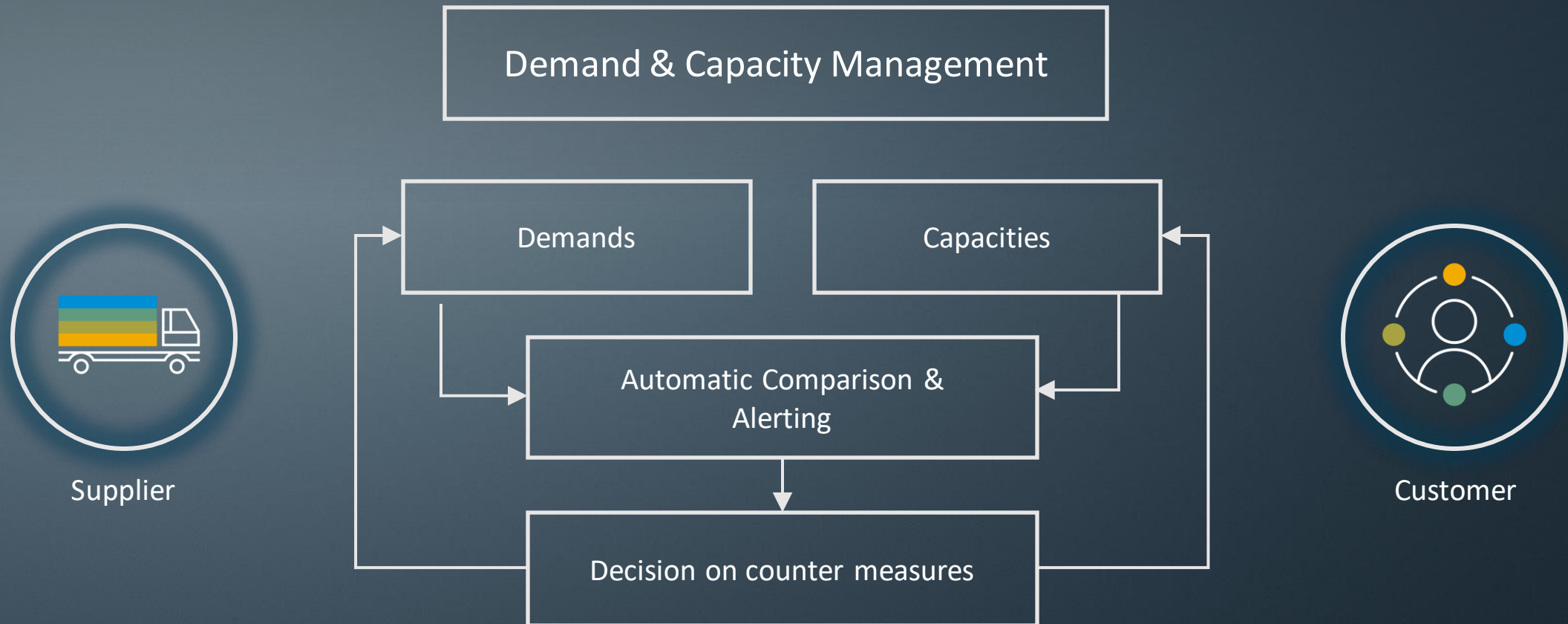
Bullwhip effect and high inventories combined with production planning issues

Short-term and costly production plan adj. and delayed deliveries to customers

Missing single source of truth and transparency for monitoring and steering

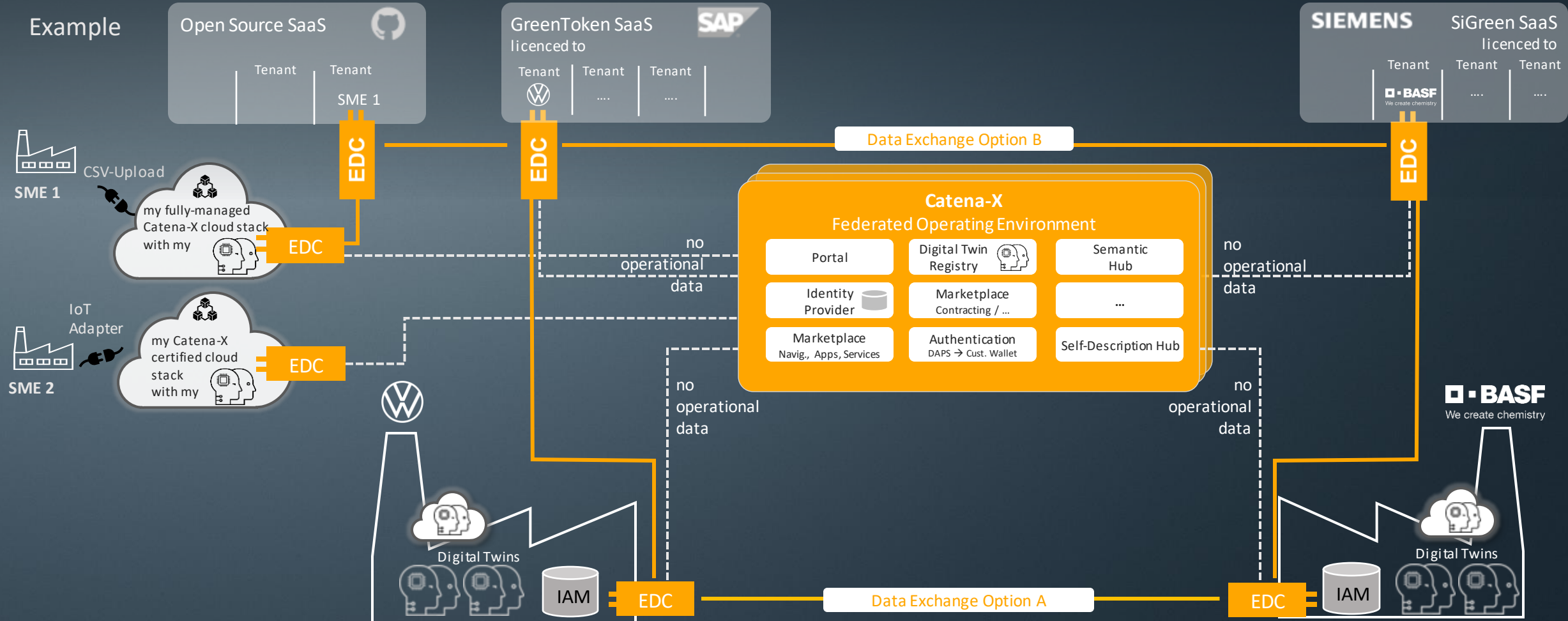
Delays in product availability or over-production with high inventory levels

Cross-company collaboration to leverage Demand & Capacity Management





How Catena-X Works



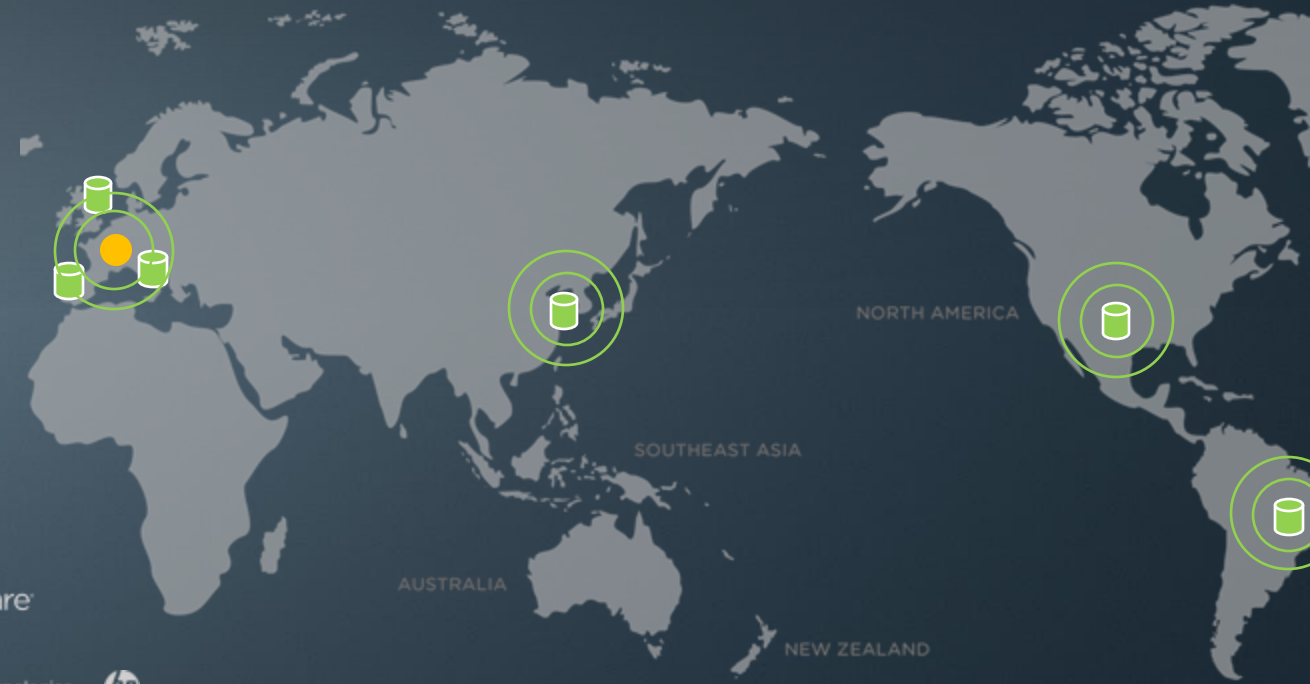
Catena-X is targeted to become a globally accepted and utilized Data Ecosystem.



Consortium



Association



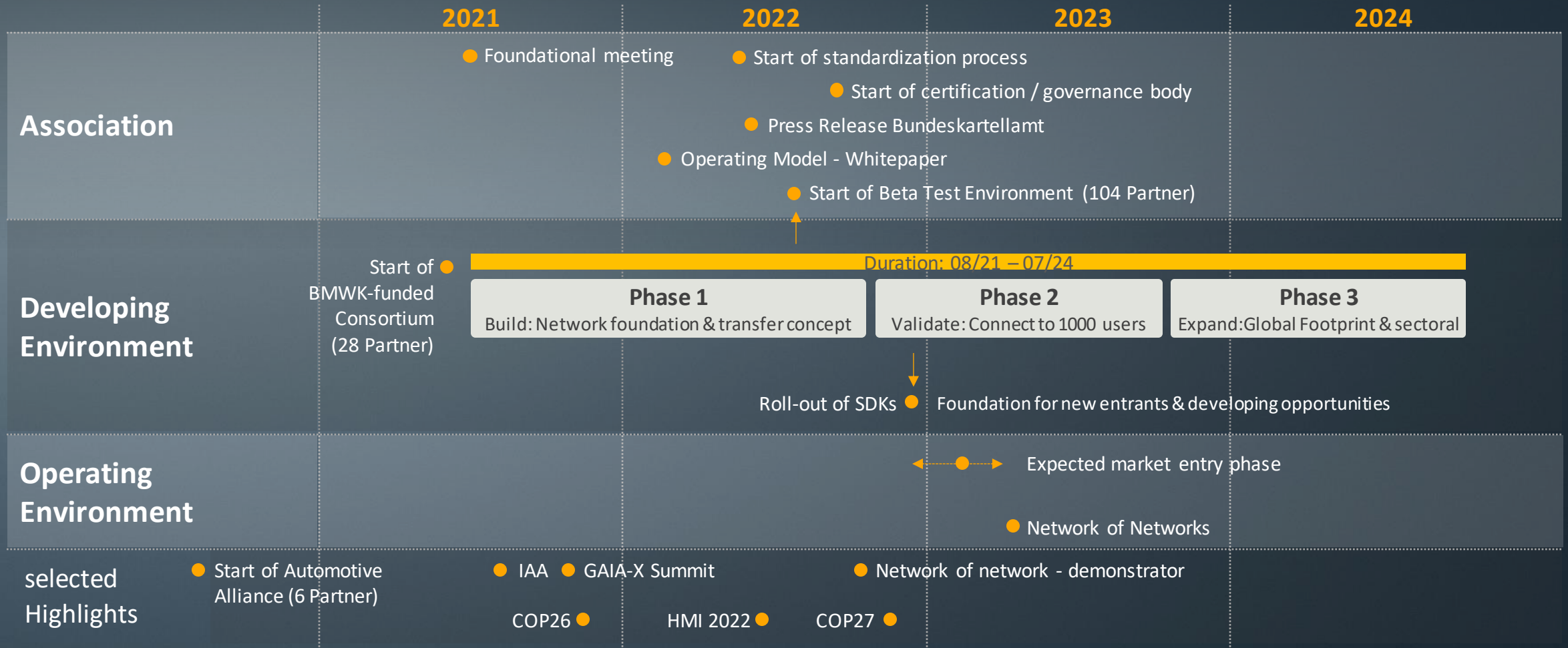
Pot. Catena-X Hubs

Starting Point
German Automotive Industry

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



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



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