

Catena-X Automotive Network

Faster cost down, resiliency and compliance – together!

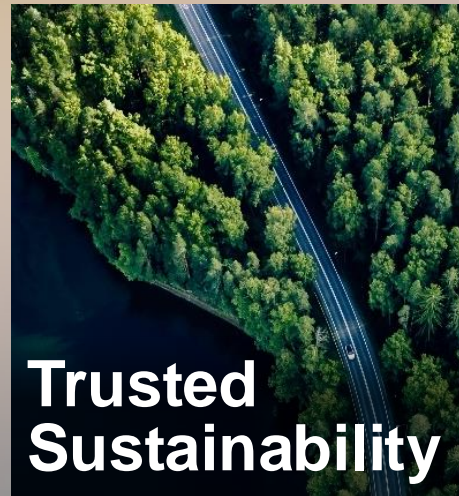
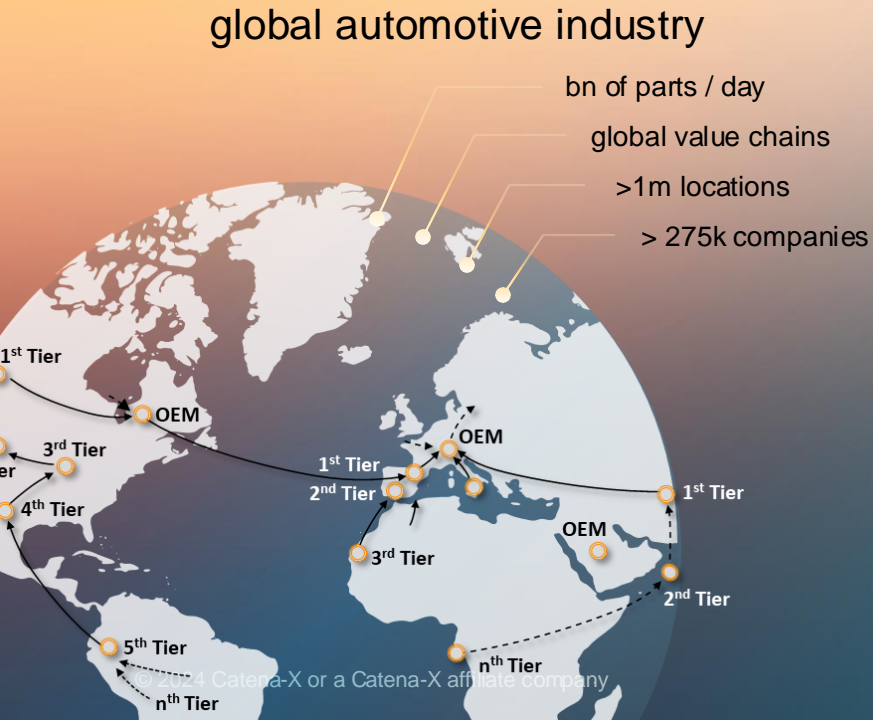
Claus Cremers
Member of the Board of Catena-X e.V.
Director of Automotive Ecosystems, Siemens AG

Tractus-X Developer Days 12/2024



Our automotive industry - Today

Various challenges are on the table, that can't be solved with the current operating model any longer



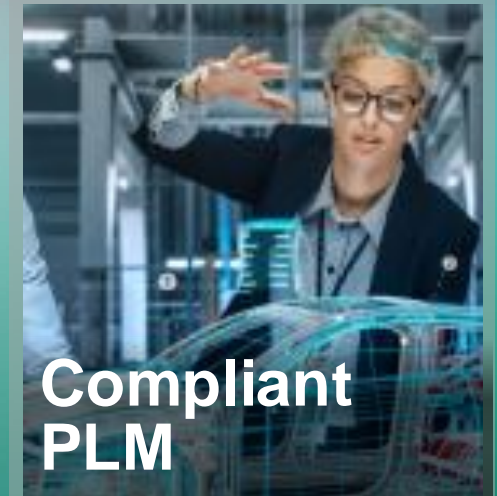
Trusted Sustainability

- Report validated PCF
- Cover regional variance
- Run circular economy



Resilient Supply Chains

- Boost supply performance
- Manage inventory
- Tackle cyber security



Compliant PLM

- Create product passports
- Trace quality of parts
- Scale IT Infrastructure

➤➤ It is a Digital Challenge

What does it take?

Adapt to shifting markets +++ Increase short-term profitability
+++ Master regulatory tsunami +++ Speed up digital transformation



JOB
1

SHIFT FOCUS BEYOND YOUR COMPANY

Optimize & run your critical processes end to end via radical collaboration

SCALE WITHIN YOUR BUDGET

Leverage synergies between vertical solution stacks and standardize inter-company exchange

JOB
2

JOB
3

STOP USING “ONE SIZE FITS ALL”- FOR IT SOLUTIONS

Freedom of choice: Your digital readiness defines the best IT solution – no one else

SHARE SENSITIVE DATA – WITHOUT LOSING CONTROL

Cyber security, IP infringement and 3rd party liabilities require a new business mindset

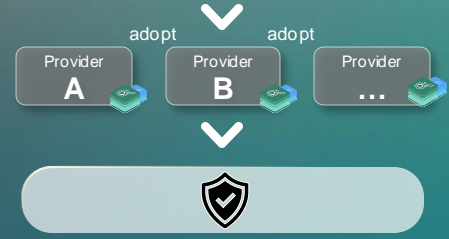
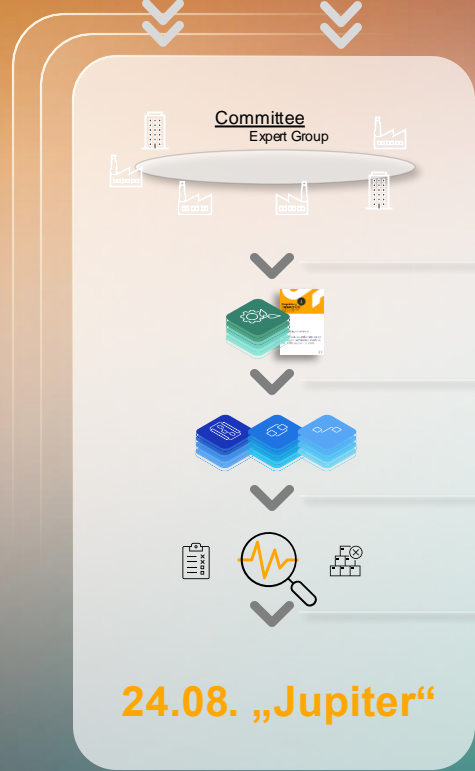
JOB
4



It's not a „The winner takes it all“ game

How it works

From the industry - For the industry



← **IDENTIFY** Top business problem to be solved for the Industry

← **SET UP** compliant industry working group

← **ALIGN** on industry business mechanics
KITs: scope, logic, semantics, processes, API, policies...

← **ADD** eco-system booster
e.g. connector, digital ID / twin frameworks

← **CHECK** IP & compatibility incl. testing via technical committees

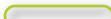


← **RELEASE** 4x yr.: KITs & normative documents via Eclipse Foundation & Catena-X e.V.

← **CERTIFY & VERIFY** for trust via conformity assessment body

← **VALUE CREATION** within industry governance (incl. CIP for KITs)

Catena-X Solution Portfolio

11/2024

available today 
 certification possible 
 Connector included 












































































































































































































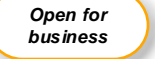



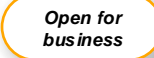
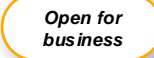



























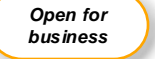



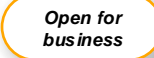
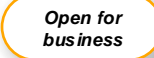



























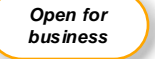



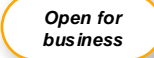
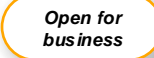



























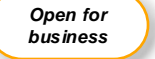



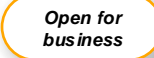
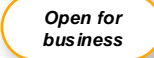










































Determine Business Value for my Company

Boost Data Readiness of my Company

Connect my Company to Catena-X Ecosystem Trust and Self-Sovereignty

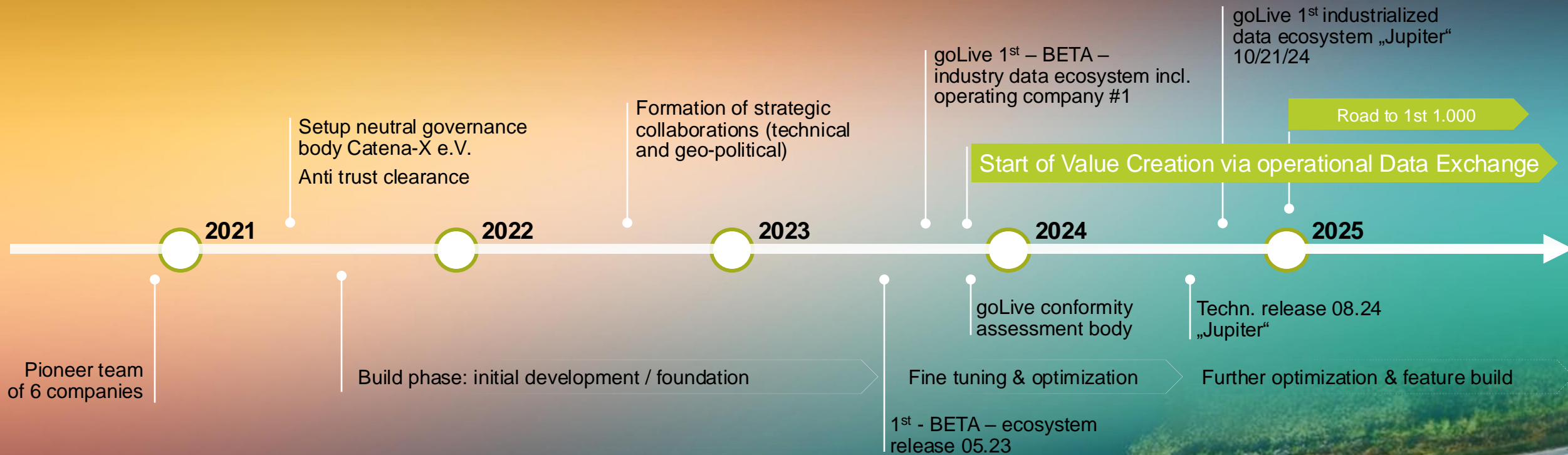
Initial Value Creation via standardized Data Exchange

Multi-Tier, interoperable Data Exchange & Business Collaboration

			<i>CX Foundation:</i> Enablement Services, Policies, Digital Identity / SSI, Wallet & Credentials	+	Semantics & Use Case Frameworks	+	APIs		KITs Developer Resources	+	Normative documents				
Business Solutions	Sustainability PCF – Calc. and Reporting Circularity – Product Pass ESS Incident Management	CX Qualified Advisors                        	Not standardized today	                                      	                                        	                                      	                     	  							
	PLM, Quality and Resiliency Map Field- / Production Data / FMEA									             	            	       	    		  
	Supply Performance Demand & Capacity Mgmt.									       	       	       	    		  
	Others Engineering Twin									       	       	       	    		  
Value Added Services Country Risk Certificate Management							       	       	       	    		  			
Core Services											  				
Enablement Services			     	     	 		 				  				
Onboarding Services			 								  				

That's the power of radical collaboration!

On Oct 21st Catena-X switched from pioneer- to productive stage



Catena-X Internationalization 24 months ago

The French pioneers!



Catena-X Internationalization 18 months ago

First contacts to APJ & China



Catena-X Internationalization 6 months ago

A global network!



Catena-X Internationalization today!

We are reaching a global community of **6.000+ companies**



The Catena-X idea & DNA

Build & govern the 1st Trusted Multi-Tier Business Collaboration Network

Layer 1: Build & govern Full industry re-representation

- OEM / supplier / recycler / SME
- Solution- / service provider



Status 10/24:
189 association members

Layer 2: Scale Global re-representation

- Regional alliances
- Local hubs



Status 10/24:
~ 6.000 companies reached

Layer 3: Transfer X-Industry re-representation

- Comparability & interoperability
- Re-use / synergies

selected industry eco-systems partners



Temp. guidance-/ collaboration partners



many more...

Trusted Catena-X data eco system: Industry governance + external verification bodies

But it takes more to
scale ...





Focus of Catena-X e.V.

2021 – Now

→ Creation of Standards, Governance Structure and Trust

Focus of Catena-X e.V.

2025

→ Business Utilization, Adoption and active Governance

Road to 1.000



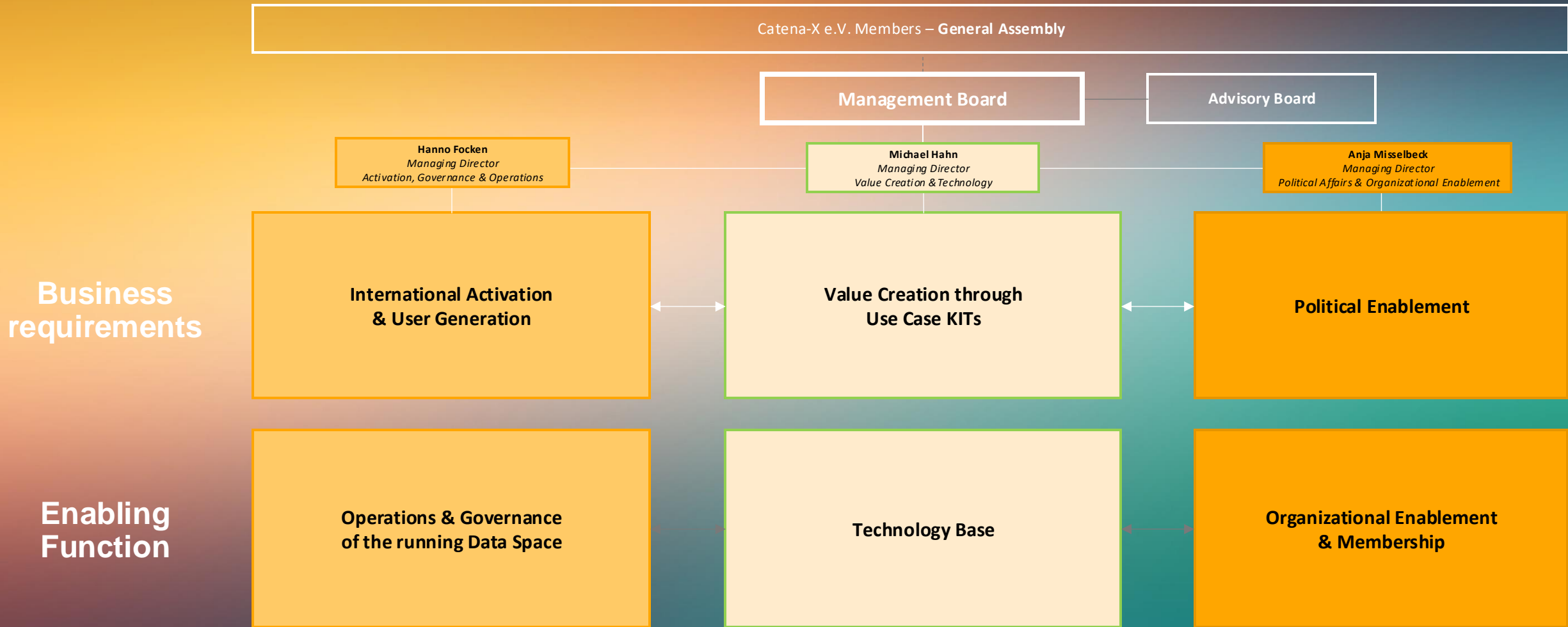
Focus of Catena-X e.V.

2025

What changes?

- Target: **Road to 1.000+** active Data Space Users (DPC)
- Organizational update to focus on business value
- New processes and feedback loops for continuous improvement

Association Organization 2025



Volkswagen Group officially commits to **Catena-X** as future **standard for data exchange** in the automotive supply chain.

Board decisions across entire Volkswagen Group



- **Catena-X standards & services** set as Group standard internally and externally
- **Broad activation** of supply chain partners
- **Use cases implementations** in Procurement, Quality, Logistics, Sustainability, and Circular Economy
- **Intensified internal IT infrastructure, process, and data enabling**

Let's bring the network
alive – around the world

