

CATENA-X: the first open and collaborative automotive data eco system

Alexandre LOIRE

CATENA-X Project Director – CATENA-X hub for the French Industry

Steve SCHINDLER-LE HURAY

Board Member Mediation – CATENA-X e.V

Tim GESANG

Global Supply Chain Transformation Manager – STELLANTIS

Antoine GRIS

Project Manager Transformation – GRIS GROUP

Stephen Marvin

Chairman of the Core Team – CATENA-X hub for the French Industry



Catena-X 

THE FIRST OPEN AND COLLABORATIVE DATA ECOSYSTEM

GALIA DAY 2023

June 13th 2023
Paris, France

STEVE SCHINDLER-LE HURAY
BOARD MEMBER MEDIATION
CATENA-X E.V

Introduction of Speaker



Steve Schindler-Le Huray

Board Member Mediation Catena-X e.V

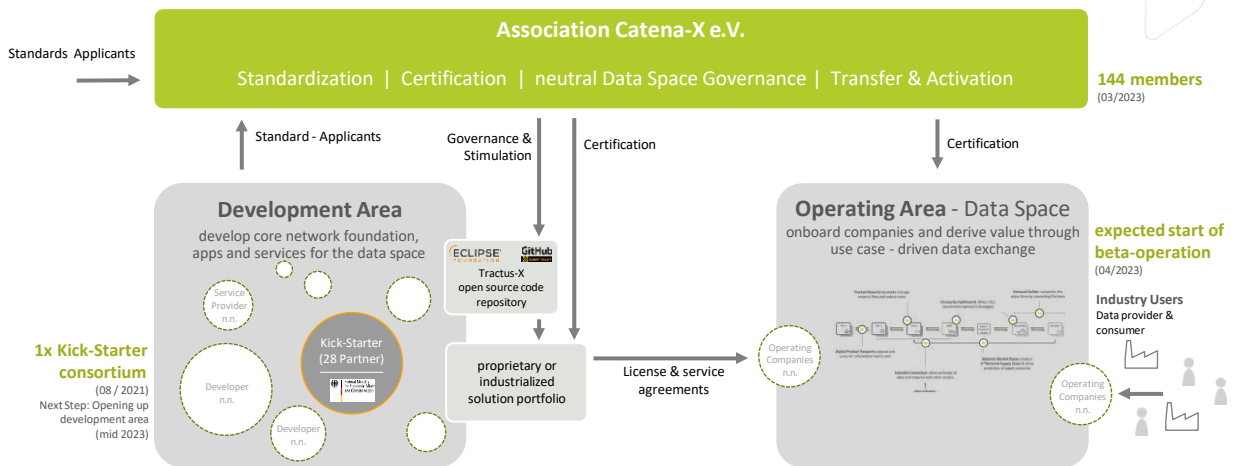


Director Partnership & Alliance Management



Organizing the activities of Catena-X

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



Catena-X value proposition in action

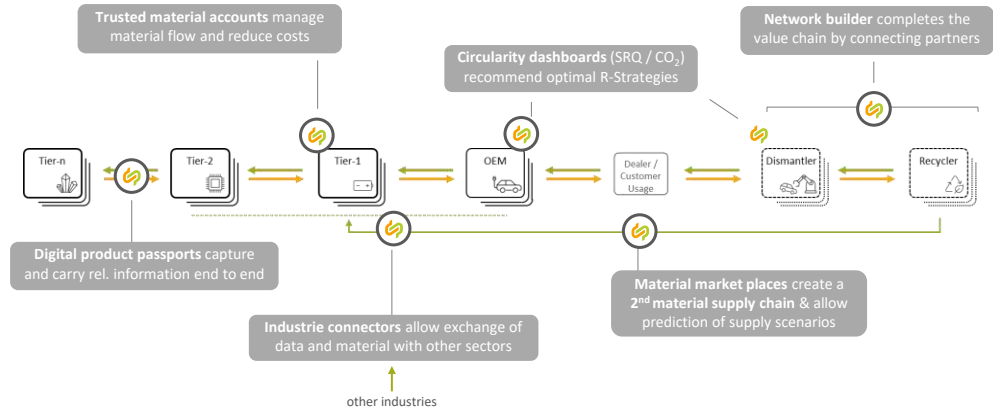
Example “Circularity”: First time value derivation made possible by utilizing the trusted data space.

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)

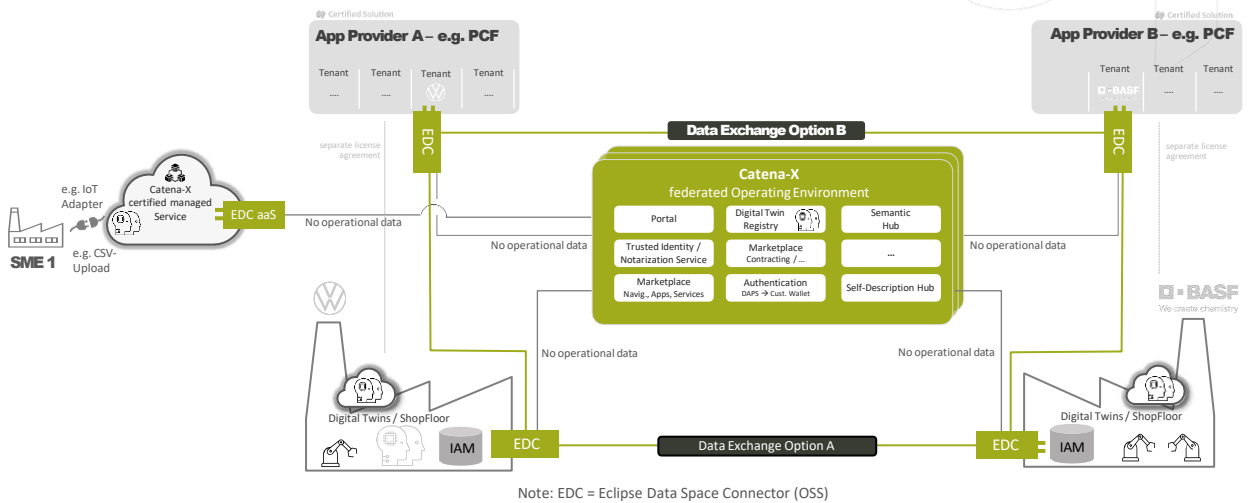
Catena-X Standards & Artifacts (🔗)

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



How the Catena-X data space works

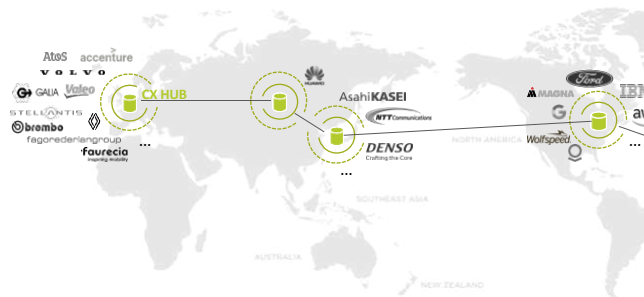
Sovereign, federated and interoperable. Incorporating GAIA-X principals and frameworks.



Hubs contribute to the global expansion of Catena-X

ONE Data Ecosystem

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



*A specific region may require slight adaptations depending on the local situation, requirements and needs

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Hub* Concept



Hub must be founded as **non-profit organization** or similar legal structure in its region



Hubs **create local synergies** and follow a bottom-up approach, such that **each Hub functions decentrally** like an individual unit



Hubs must work in **accordance with the C-X Association** standards and guidelines



The In. Co. will provide the **strategic guidance** & ensure that the **Hub's activities are aligned with the C-X vision**

Hubs have 3 possibilities to interact within Catena-X

Association e.V.

- Standardization
- Certification
- Neutral Governance
- Transfer & Activation



Development Area

- Kick-Start Consortium
- Development of core network foundation, apps, & services for the data space



Operating Area

- Catena-X Marketplace
- Access to enabling services, apps, and data solutions



Catena-X

- Hub Core Team members as Association members can actively shape the C-X ecosystem
- Internationalization Committee serves as a link between the local Hubs and the C-X Association
- All-Hub Meeting on quarterly basis to together representatives from all hubs to create transparency on ongoing activities

Catena-X

- Participation in **KIT** Committees to use and jointly develop business apps & services (access to source code, technical documentation, and deployment instructions)
- Development of own applications of Use Cases (using KITS)
- Participate in Case Studies to provide feedback without being part of the current Consortia
- Possibility to set up own Consortium & develop use cases

Cofinity-X

- Open-source reference implementations can be freely used, modified, and operated by providers - [Catena-X Operating Model Whitepaper](#)
- Set up of new Operating Companies

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France is the first Hub which is hosted by GALIA

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

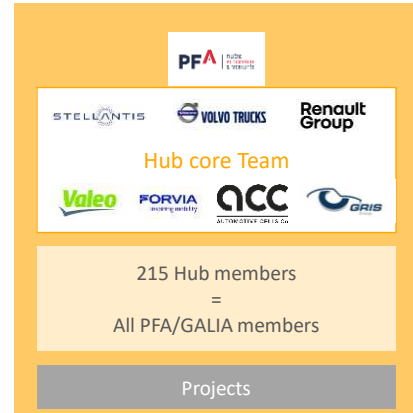
- ✓ November 18th 2022: MoU signature during GAIA-X summit in Paris
- ✓ December 14th 2022: Hub core team kick off and roles repartition
- 📅 July 2023: Hub contract signing

French Hub involvement in Catena-X Governance

- Renault and Valeo are members of the Catena-X Management Board
- GALIA is a member of the Catena-X Advisory Board
- Further GALIA engagement in Internationalization Committee & Technical Committee for Standardization



Catena-X Domain



“Stellantis – connection to the ecosystem”

June 13th, 2023



OUR DARE FORWARD

C/ CARBON NET ZERO BY 2038

CARE

-50%
Carbon Footprint

#1
Customer Satisfaction

TECH

100% BEV EU
50% BEV U.S.

DIGITAL REVOLUTION
SW, AI, AD

VALUE

7 ACCRETIVE BUSINESSES
with their own P&L

>25%
Revenues outside growing EE & NA

2x Revenues

DARE FORWARD 2030



CHALLENGE GPSC LEADERSHIP: CONNECT WITH EXTERNAL ECOSYSTEM



Connecting STLA to external ecosystem

Jul 2021 Oct 2021 Nov 2021 Q2 2022 Q3 2022 Q4 2022 Q2 & Q3 2023

Timeline

Screening of Solutions with Main Automotive Associations



Decision:
Catena-X = key part for Supply Chain W2B

STLA joins Catena-X association

STLA internal info sessions & use case facilitation (across BUs)

Decision with Galia/PFA and others to create French Catena-X hub

MoU signature: 2nd Catena-X hub in France to develop use cases as joined industry approach

Joined Catena-X beta testing of use cases released by Cofinity-X

Our Journey so far...

result:



FOCUS AREAS & EXPECTATIONS

OUR DARE FORWARD

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#1 Customer Satisfaction

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7 ACCRETIVE BUSINESSES with their own P&L

>25% Reduction of CO2E growing EE & RA

2x Revenues

Selected GPSC focus areas:	<ul style="list-style-type: none"> - Comply with regulations (e.g. EU Battery regulation, Supply Chain Law, US forced labour regulations,...) - End-To-End product carbon footprint - Customer Satisfaction - Material traceability and improved end-to-end Supply Chain collaboration
Priority use cases:	<div style="display: flex; justify-content: space-around; margin-bottom: 5px;"> <div style="background-color: #003366; color: white; padding: 5px 10px; border-radius: 5px;">Material Traceability</div> <div style="background-color: #003366; color: white; padding: 5px 10px; border-radius: 5px;">Sustainability & Carbon Footprint</div> <div style="background-color: #003366; color: white; padding: 5px 10px; border-radius: 5px;">Battery Passport</div> </div>
Success criteria	<ul style="list-style-type: none"> - Global ecosystem adoption & collaboration: <ul style="list-style-type: none"> → Global acceptance of Catena-X standards (legislations, associations, industry partners,...) → Participation & commitment of global automotive (& related) industry TierN chain - Data sovereignty & security to foster collaboration - Easy access to ecosystem, data sharing and applications → reduced effort to connect for all players

STELLANTIS

Tim Gesang

Global Supply Chain Transformation Manager



 GALIA DAY 2023

GrisGroup



GrisGroup

High-speed cold metal cutter

2 production plants, the same ambition



France – Lesménils
Headquarter



Germany - Herscheid

Workforce : 232 employees

€ Turnover 2022 : 52,9 M€

Business sectors :



AUTOMOTIVE



TRUCKS



RAILWAY



INDUSTRY



PUBLIC WORKS
EQUIPMENT



ELECTRICAL
EQUIPMENT



ENERGY



AGRICULTURAL
MACHINERY





Our main challenges today

- CSR, decarbonization, reindustrialization, digital transformation, competitiveness, productivity, cybersecurity TISAX, HR skills, etc.

REPRESENTATIVE

A small among the big ones
→ Inclusion of the SMEs

Relevant topics

- Business Partner Data Management
- Traceability
- Product Carbon Footprint
- Demand and Capacity Management

 GrisGroup – Découpeur du métal à froid à haute cadence

 **Catena-X**
Automotive Network