

Catena-X

State of the Network

Report 2026

As of 7th September 2026



Table of contents

Nineteen sections tracing the network from foundations, through network and operational deep dives, to outlook.

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|-----------|---------------------------------------|-----------|---|
| 1 | What Catena-X Is | 11 | Adoption of Apps & Services |
| 2 | About This Report | 12 | App & Service Providers by Use Case |
| 3 | Executive Summary | 13 | Operational Performance |
| 4 | Network Momentum | 14 | Economic Value |
| 5 | Network Readiness | 15 | Results from Live Operations |
| 6 | Process Quality: Growing KITs | 16 | Members-Driven Governance |
| 7 | Process Quality: The Standards | 17 | Global Reach: North America, China & Japan |
| 8 | Participant Growth | 18 | In Their Own Words |
| 9 | Global Participant Footprint | 19 | Conclusion & Outlook |
| 10 | Value-Chain Activation | | |



What is Catena-X

Catena-X is the collaborative, standardized data ecosystem built by the automotive industry — a shared digital infrastructure that lets OEMs, suppliers and service providers exchange data securely, on their own terms, across company and national borders.

As supply chains face growing pressure to prove origin, sustainability and efficiency, Catena-X gives the industry a common foundation to meet those demands — without a single vendor owning the platform. Five years after its founding, that foundation is becoming the shared trust layer for an industry-wide digital twin — and, increasingly, for industrial AI itself.

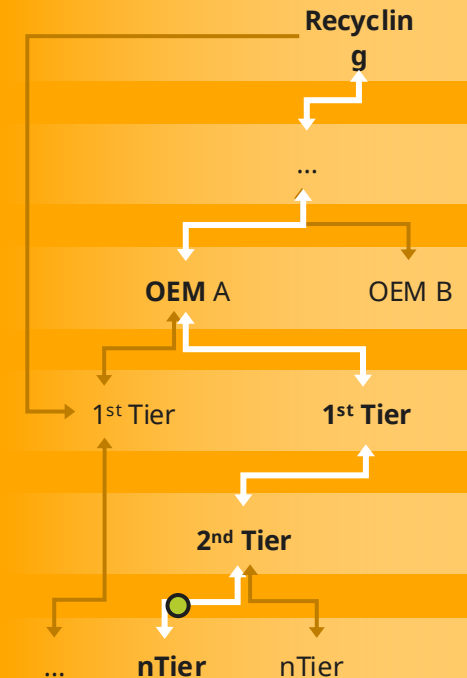


Industry standards create interoperability between partners

Advantages

- Freedom of choice (vendors)
- Cyber / IP Security
- Trust / verification
- Anti Trust clearance
- Cross domain benefits
- Scalability in business

Automotive Value Chain





About This Report

This is Catena-X's first “State of the Network” report — a factual snapshot of where the network stands today. This report will be published each calendar year going forward.

Purpose

Show how many companies are connected, how ready the underlying standards are, and how the network performs day to day.

Scope

Covers network readiness, apps & services adoption, process quality, and member growth and voice.

Data & sources

Catena-X Association operational data, status reporting by Operating companies, studies by independent research institutes, and direct testimonials.

KEY TERMS USED IN THIS REPORT

Connected legal entities registered legal entities connected to the Catena-X dataspace.

Active participants connected entities meeting the approved activity criterion for this reporting period.

Association members organisations holding membership in Catena-X Automotive Network e.V.



Catena-X has moved from initiative to operational ecosystem

Network scale, reliable operations and measurable economic potential demonstrate a new level of maturity.

1,000+

connected legal entities
across 40+ countries and 6 regional hubs



SCALE

61

of Berylls Top 100 automotive suppliers onboarded

70+

Apps & Services

PERFORMANCE

11× faster

Onboarding — first 100 entities: 175 days, latest 100: 15 days

99.994%

Uptime over the last 90 days

VALUE

€150–220

Gross savings potential per vehicle/year (study-based estimate)

up to 7%

Potential EBIT uplift across six applications

Sources: Berylls Top 100 supplier ranking (onboarding); Audi / Volkswagen Group / TUM / Fraunhofer and Accenture / Fraunhofer study-based estimates (economic potential). Figures are modelled, not realized results.



Network Momentum

Five years after its founding, active participation in Catena-X has scaled from an industry initiative into operational trust infrastructure

6×

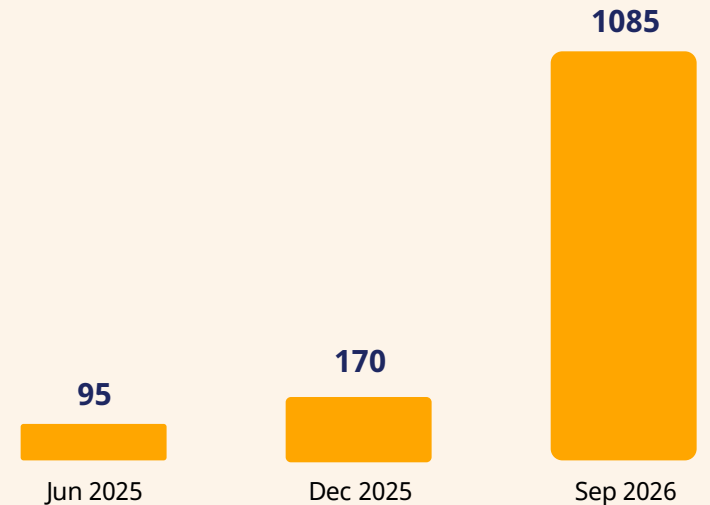
Active participants grew from 170 (Dec 2025) to 1085 (Sep 2026)

Active participants are OEMs and suppliers exchanging data through the operating network. The count more than tripled in six months — a peer-driven expansion, not a change in reporting method.

1,000+

Connected legal entities across 40+ countries and 6 regional hubs — the full dataspace footprint, a broader group than the 1085 active participants counted above.

GROWTH TRAJECTORY



Active participants: OEMs and suppliers exchanging data through the network. 6× growth in eight months, driven by peer referral.



Network Readiness

A standard on paper doesn't onboard anyone. Readiness means the full support structure around it: building blocks to reuse, bodies to certify, funding to lower the barrier, a guided path to follow, and operators to run it regionally.

34

KITs published

€23M

Data Space Accelerator funding to assure better and easier data space readiness



4 Conformity Assessment Bodies

3 in Europe, 1 in China — certifying providers to Catena-X standards.



Standardized adopter journey

A common, guided path for new members for regulated onboarding and understanding



Trainings

The Catena-X Campus provides training material for everyone including specifically for qualified advisors



2 Operating Companies

Regional OpCos supporting rollout and governance outside Europe.



Process Quality; Growing KITs

Tractus-X, the open-source project behind Catena-X standards, has expanded from 21 to 34 published KITs since August 2024 — with releases now shipping quarterly.

34

KITs published across all releases to date

+3

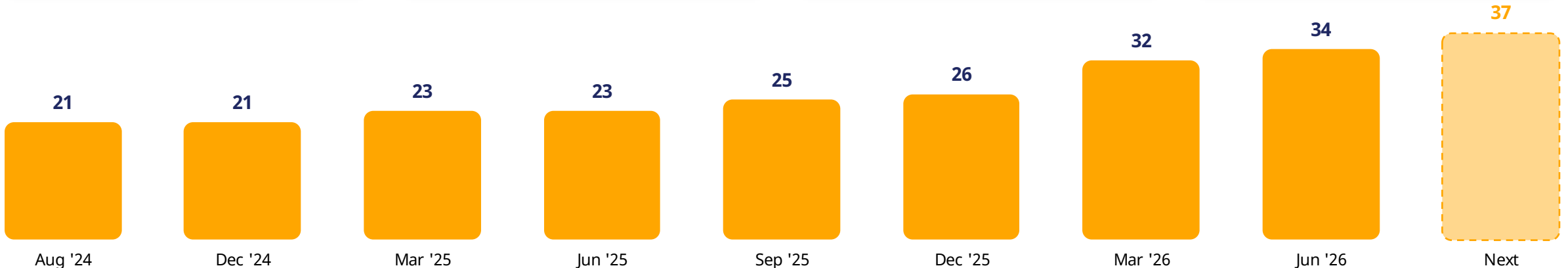
KITs planned in the next release
26.09

4

KITs of other industries (3×
Manufacturing, 1× Semiconductor)

Quarterly

Release cadence since March 2025



KITs published per release (Tractus-X docs-kits repository). "Next" = upcoming release, currently in development.

KIT (Keep It Together)

A standardized Catena-X package that bundles all essential artefacts for a use case, incl. standards, open-source resources, and technical documentation.



Process Quality: The Standards

During the consortium phase, the priority was to power through and deliver — standards shipped fast to prove the model. Since the Catena-X Association fully took over release management in 2024, the catalog has been quality-assured: overlapping standards merged, others split where one had grown to cover several needs, and only genuine duplicates retired — no functionality lost. Fewer, better-structured standards now cover more use cases than before. **Quality over quantity.**

58

Active standards today, CX-Titan
(Mar 2026)

22

New standards added by industry
since baseline, each quality-
reviewed before release

63

Standards consolidated and
merged into higher-quality since
baseline — not lost, cleaned up

~6 mo

Release cadence — every cycle re-
viewed for quality over quantity

Consortium ends —
Association governance begins

121

Baseline • 24.03

starting catalog

65

CX-Jupiter • 24.08

+12 added

64

CX-Io • 25.03

+2 added

62

CX-Saturn • 25.09

+4 added

58

CX-Titan • 26.03

+4 added

50

CX-Neptune • 26.09

(preview)

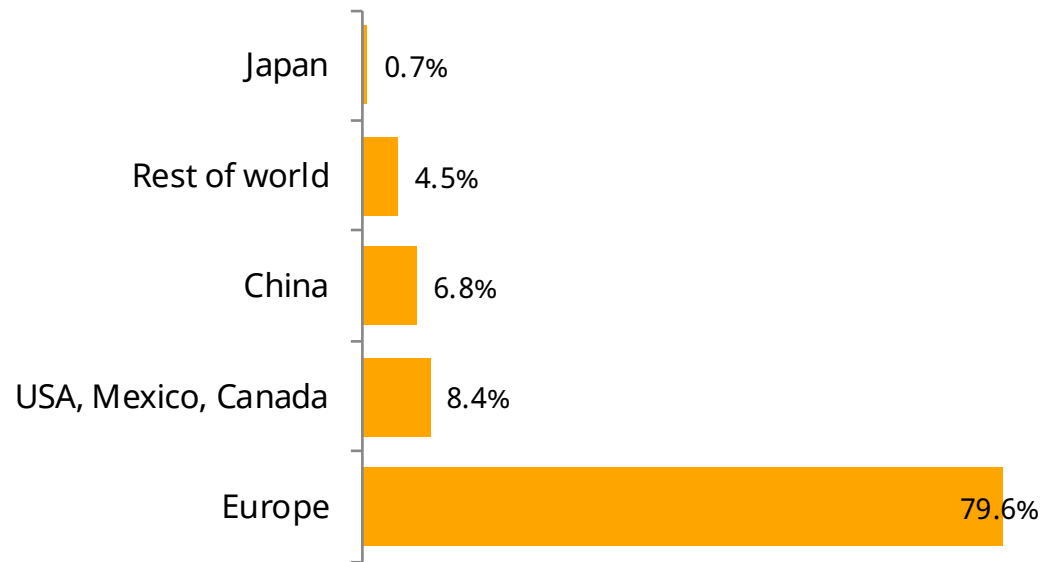
+10 added

Each release both merges/retires overlapping standards under quality review and adds new ones from industry demand — the net count falls, but functional coverage grows.



Global Participant Footprint

Beyond the apps on offer, growth shows up in who actually plugs in — and in what capacity. More than 1,000 legal entities are active today, spanning every role from onboarding support to daily production use.



This graph shows the country split in percentage of Dataspace Users across the world. Showing that our global Hubs are playing a vital role in increasing internationalization.

"By combining Glassdome's platform with dedicated Catena-X connector technology, we have enabled end-to-end integration across the supply chain—from data collection to verification. We aim to establish this project as a standard model and support Korean manufacturers in seamlessly integrating into the global carbon data ecosystem."

Jinki Ham , CEO of Glassdome

About the project led by sustainability software provider Glassdome who has enabled KG Mobility (KGM), LG Electronics Vehicle Solution (VS) and multiple South Korean suppliers to exchange carbon footprint data securely across the supply chain through the Catena-X data space.

Source: <https://www.cofinity-x.com/blog/asias-first-multi-tier-pcf-data-exchange-runs-on-cofinity-x-infrastructure>

"We are proud to collaborate with BMW Group on the first multiregional Catena-X based ECU data exchange, enabling the seamless, secure transfer of authentication data."

Mike Thoeny, President of the Automotive Business, Flex.

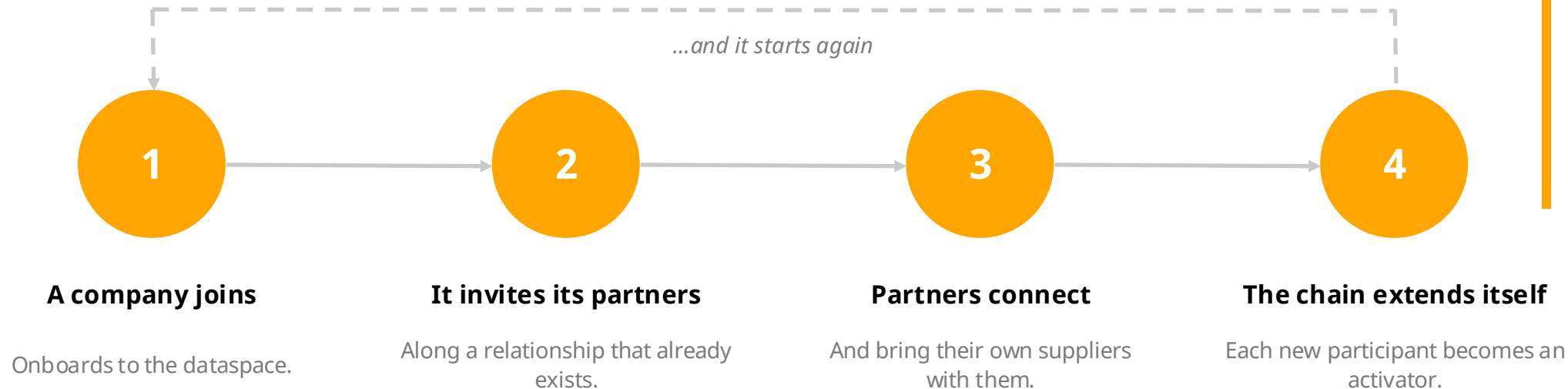
The ECU use case marks the first multiregional collaboration between Flex and BMW Group using Catena-X open source, peer-to-peer data space technology.

Source: <https://flex.com/resources/flex-launches-first-multiregional-catena-x-based-ecu-data-exchange-with-bmw-group>



Value-Chain Activation

Adoption isn't top-down. Any connected company — an OEM, a Tier-1, or a smaller supplier — can activate its own network simply by inviting the partners it already works with.



~3 in 4

new entities join the dataspace through a company that's already connected — a peer-driven network effect, not top-down recruitment. Procurement becomes the network's most effective growth channel.



Adoption of Apps & Services

Nothing in a data space works without the applications built on top of it. More than 70 providers now offer solutions across the network's use cases, discoverable via the Use Case Explorer — but adoption looks different depending on the use case.

70+

Apps and Services

46

Qualified advisers supporting onboarding

10

Core use cases covered

Broad reach

Company Certificate Management (CCM) and Product Carbon Footprint (PCF) tools have achieved the broadest global adoption and the most productive daily use.

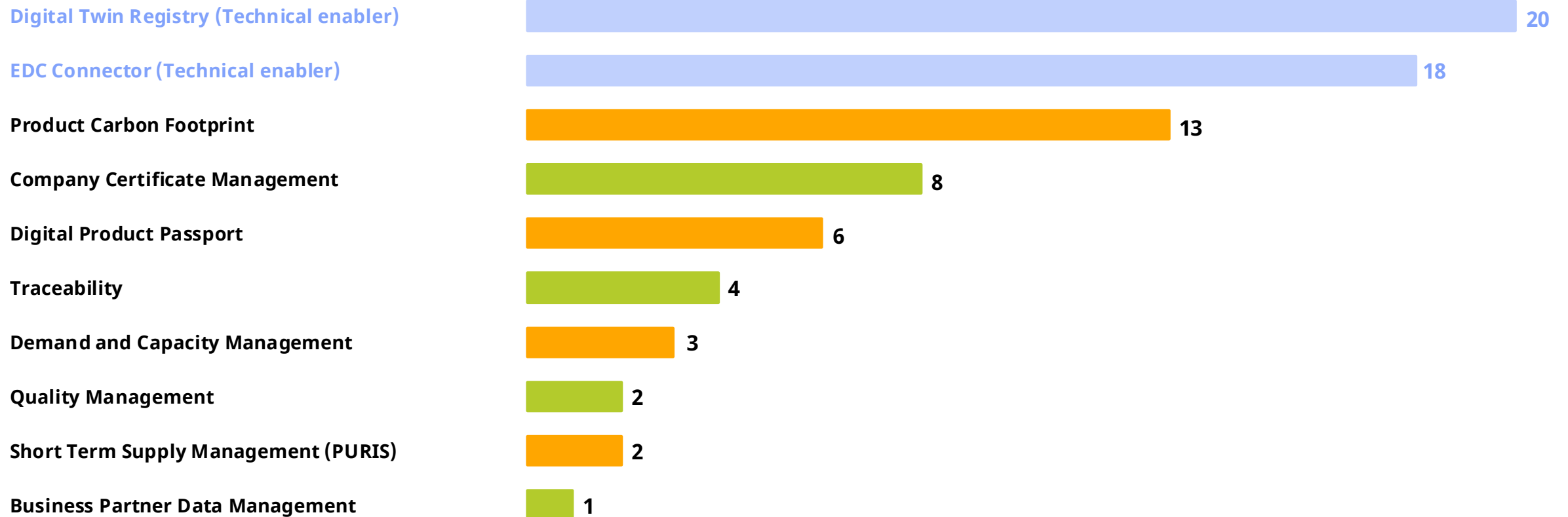
Deep specialization

Quality-oriented use cases reach a smaller, more specialized user base — but the users they have use them intensively and identified the biggest benefits.



App Providers by Use Case

App Providers serve the network across 10 core use cases — most providers cover more than one, so the totals below add to more than the overall provider count.



Number of accredited app providers listed per Catena-X use case (as of the current provider directory). Providers may support more than one use case.



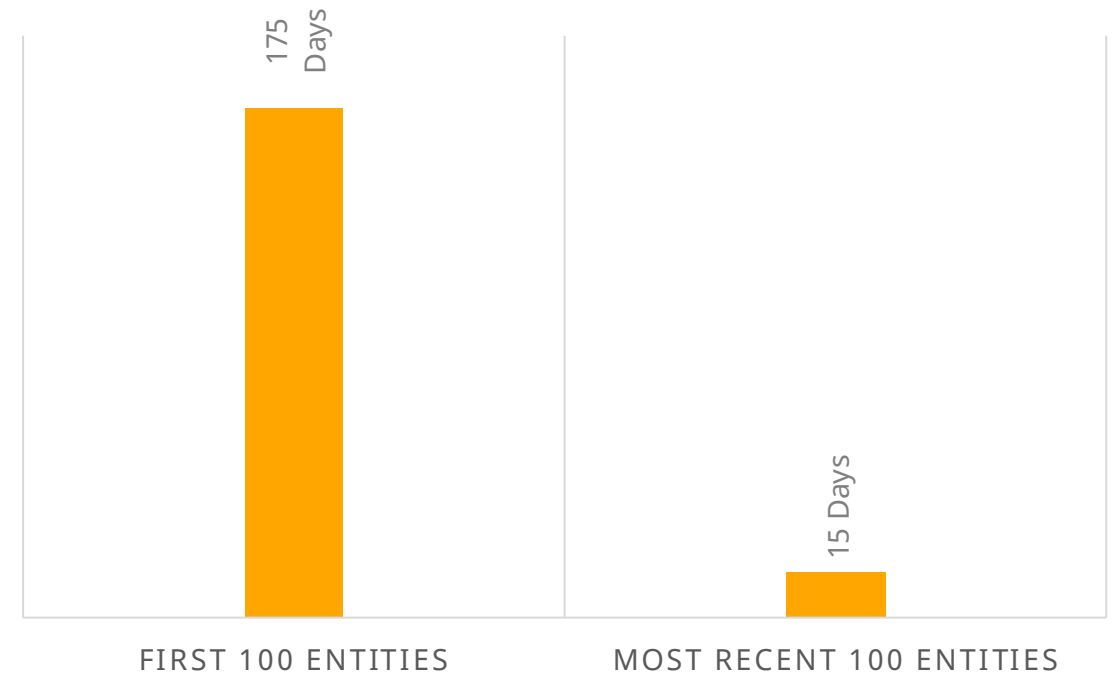
Operational Performance

Onboarding time has fallen sharply since the latest enhancement to the network's Business Partner Data Management (BPDM) infrastructure — moving toward a process measured in minutes for many participants.

99.994%

Uptime, last 90 days — verifiable
via the Cofinity-X status page

ONBOARDING TIME — 11× FASTER TODAY





Economic Value

Two independent economic studies put a number on the value at stake for OEMs and suppliers using Catena-X in production.

up to 7%

EBIT uplift across six applications

Accenture and Fraunhofer modelled six Catena-X applications and found an EBIT uplift of up to 7% net of investment and running costs — the bottom-line counterpart to the gross per-vehicle savings, driven mainly by stoppage prevention, bottleneck management and demand/capacity management.

€150–220

Gross savings per vehicle/year (3 applications)

A study by Audi, Volkswagen Group, the Technical University of Munich and Fraunhofer examined three Catena-X applications and estimated combined gross annual savings of €150–220 per vehicle before investment and running costs, identifying quality and error traceability as a leading value lever.

€385M

Potential gross annual value (reference case)

A single reference-case estimate from a combined model applied to a manufacturer producing 2.1 million vehicles a year: the same order of per-vehicle value, translated into a concrete total for one illustrative company size.



Results from Live Operations

Companies already running Catena-X in production report outcomes that reinforce the economic models — earlier fault detection, faster onboarding, and measurable efficiency gains.

4 months

Faster average fault detection in live quality-management use

5 weeks

New supplier data exchange live (vs. months previously)



46% lower calculated carbon footprint

Ford, Flex and Micron exchanged verified primary PCF data across three tiers — vs. an industry-average baseline.



Payback in 6–14 months

Application-level models: 6 months for quality management, under 12 for certificate management, 14 for PCF management.



Proof from live operations

Results now reinforce the economic models from Audi, Volkswagen Group, TUM and Fraunhofer.



Members driven Governance

Catena-X's member companies are spread across the globe. They identify use cases, write the standards, and hold network quality and data security to account — an initiative built by industry, for industry.

195 Association members

Across 21 countries

6 Regional hubs

North America, Spain, France, Sweden, China, Japan

INDUSTRY-DRIVEN WORKING MODEL

45 Committees & Expert Groups developing standards and open-source reference implementations

300+ Individual contributors to the Association development cycle

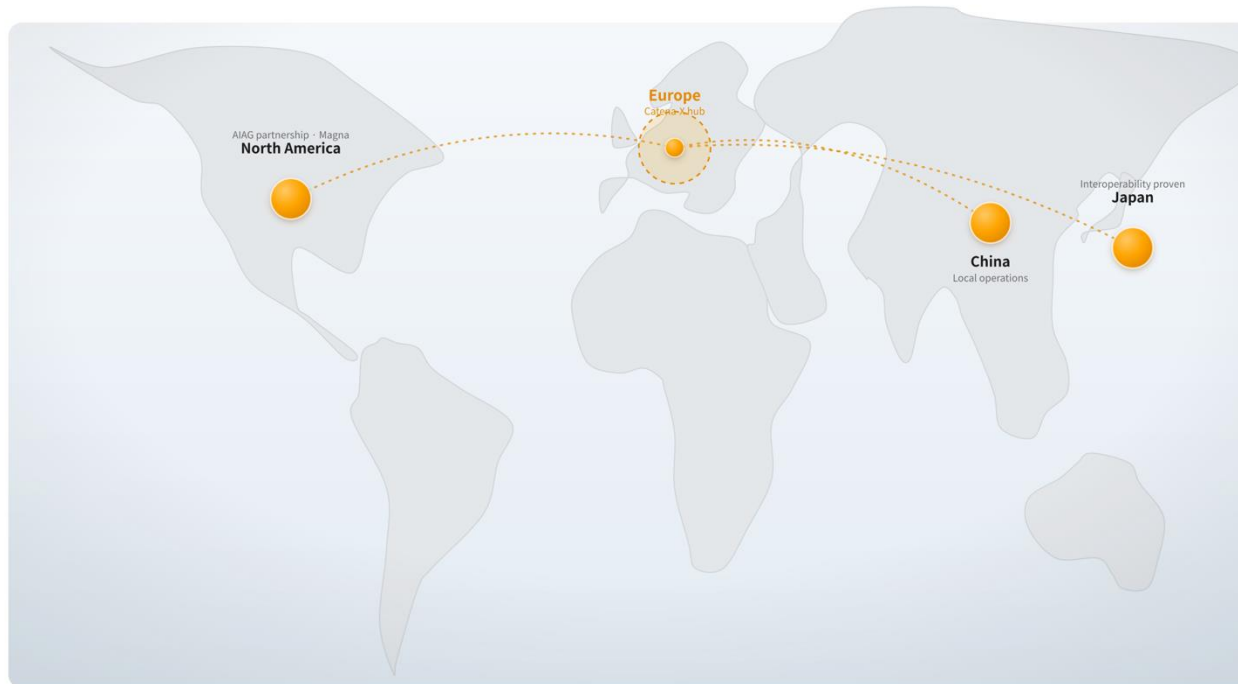
6 Months from idea to published standard (Tariffs)





Global Reach: North America, China & Japan

Membership numbers are only half the story — the network is already proving itself outside Europe, through live interoperability, operational scale-up, and industry partnership.



Japan: interoperability demonstrated

Live cross-network interoperability trials with a Japanese data ecosystem have already succeeded — proof the architecture works beyond Europe, not just a roadmap promise.



China: local operations ramping up

A second operating company is now established and running in China, backing strong regional growth as the network scales globally. China cross-border corridor (CAAM/VDA China, Cofinity-X) live mid-November 2026



North America: strong industry ties

A partnership with AIAG, North America's leading automotive association, is represented through Vice Chairmanship of our extended board and reinforced by major industry support — including Magna International, whose COO John Farrell sits on the Association Board.



In Their Own Words

"Without competitive value creation, there is no innovation, no strong product substance, no strong brands, and therefore no future viability. Catena-X is the key to connecting this intelligence within the network. Now is the best time to get involved, to participate, to contribute to industry intelligence, but also to benefit from it."

Dr. Nicolai Martin

Member of the Board of Management, BMW AG (Purchasing and Supplier Network)

"Catena-X defines the standards, defines the configuration, has the mechanism, and, with all that in place, the entire industry can go top to bottom through the supply chain efficiently and cost-effectively."

John H. Farrell

Member of the Board, Catena-X; EVP & COO, Magna International

"The future of the automotive industry depends on trusted collaboration across company boundaries. Catena-X enables transparent and sovereign data exchange."

Yanni von Roy-Jiang

Head of Procurement and Supplier Management, Mercedes-Benz

"By 2030, the automotive industry will need to trace billions of data points across global supply chains. It is a challenge we need to prepare for right now. Catena-X gives North American OEMs and suppliers a secure, standardized way to exchange data across the global automotive value chain with a system built for scale. As the official North American Hub for Catena-X, AIAG can see that momentum is moving fast. The digital supply chain is as important as the physical, and we are proud to be helping our members get ready for what is coming."

Kevin Pietrowski,

Chief Transformation Officer, Automotive Industry Action Group



Proving the model is done. Now it's about scale.

More than 1,000 connected legal entities, a global footprint spanning six regional hubs, and 99.994% operational uptime are not the achievements of a pilot project — they are the signs of infrastructure the industry is starting to depend on.

The next phase looks less like recruitment and more like reinforcement: closing remaining gaps in standards and certification, deepening adoption beyond today's early use cases, and letting procurement-driven network effects keep turning every new participant into the starting point for the next. Five years on, that foundation is becoming the trust layer for industrial AI.

Catena-X Association Network is celebrating its 5th anniversary event in Munich on 15 October 2026.

