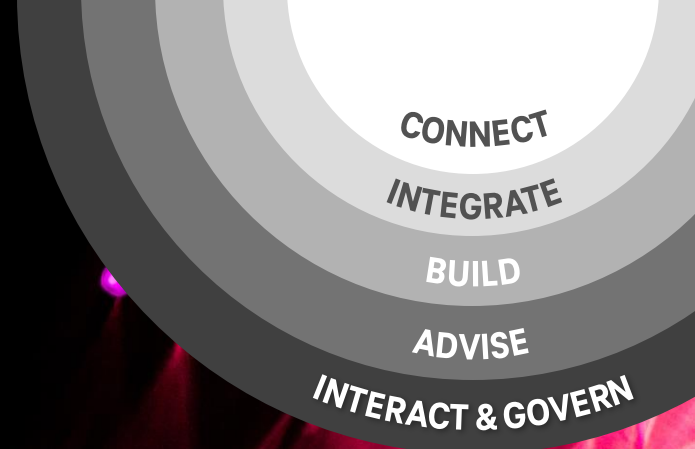


99 Problems but Catena-X ain't one

Life is for sharing... with data on your terms



START MONETIZING NOW

Agenda

01 Business value and challenges to participate in Catena-X

02 Connect & Integrate in 5 steps

03 T-Systems portfolio for Catena-X

04 Catena-X use cases

05 Why T-Systems for Catena-X

01 Overcome challenges to participate in Catena-X



App

How to build applications in days instead of years?
Quick, fast and agile app development is key



Integrate

How to exchange data with Catena-X despite heterogeneous IT-landscapes and data semantics?



Connect

How to deploy and configure critical dataspace components, such as EDC, without internal knowledge or IT-resources?



Governance

How to govern data, organizations, policies, compliance, multi-dataspaces... with sovereignty protection?



Dataspace

How to participate, interact and govern in an ecosystem in which every participant can share data with sovereignty protection?

01 Why Catena-X? | Discover your added value

Maximize your business value:



Resilience



Sustainability



Economy



Traceability



Legal
compliance



Circular
economy

T-Systems enables any organization to connect and share data according to Catena-X's data sovereignty protection.

Minimize your efforts and risks:



QUICK | Connect and integrate fast to Catena-X



EFFICIENT | Low effort with automated processes



ONE4ALL | Participate in all use cases



SCALABLE | Data chain setup for all company sizes



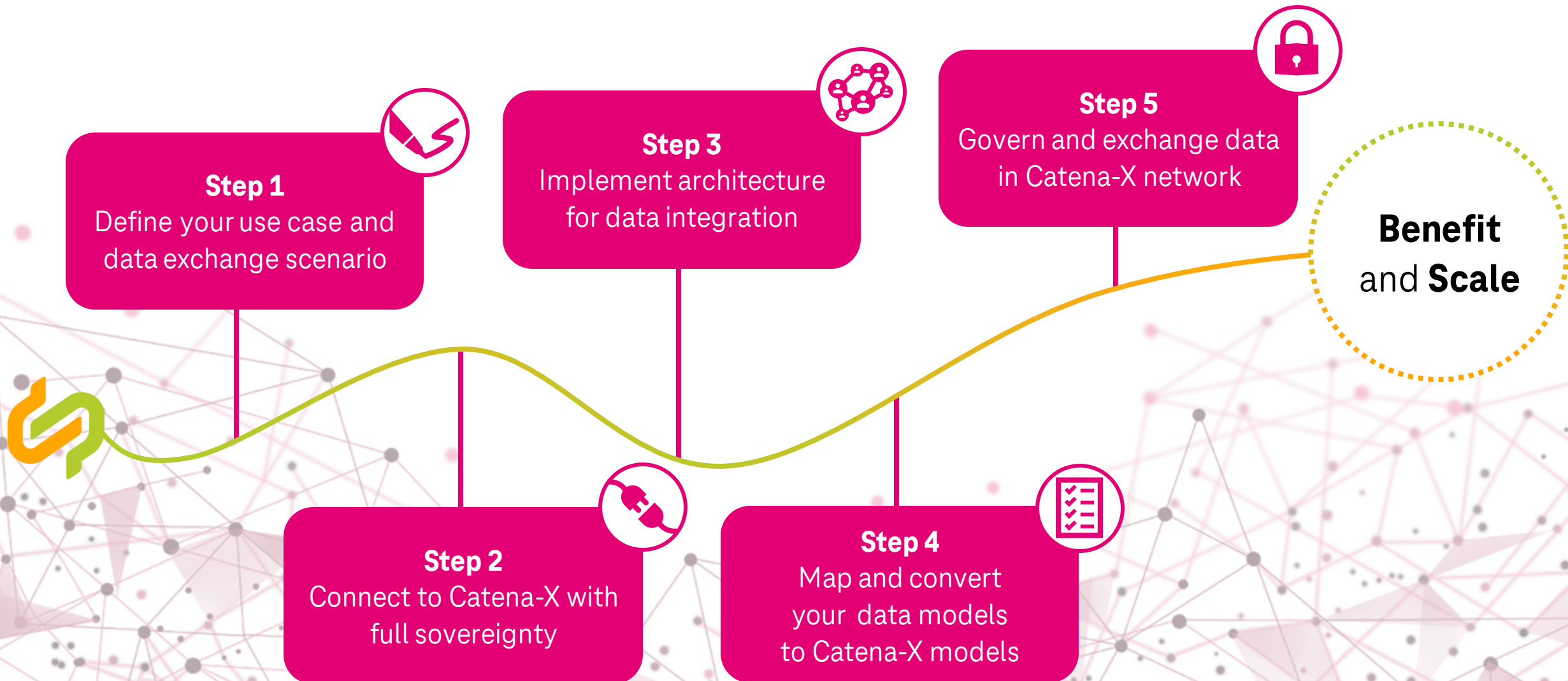
SECURE | Trust Anchor & sovereign clouds



We support you through your whole dataspace journey!



02 Catena-X | 5 steps to success



03 T-Systems Portfolio for Catena-X

Interact & Govern

Manage your actions with an easy-to-use UI / UX

Build

Develop Business Applications

Integrate

Standard (SME)

Customized (Large Companies)

Connect

Access to Catena-X

Understand
Implementation

Advisory
Strategy

Connect | Your access to Catena-X

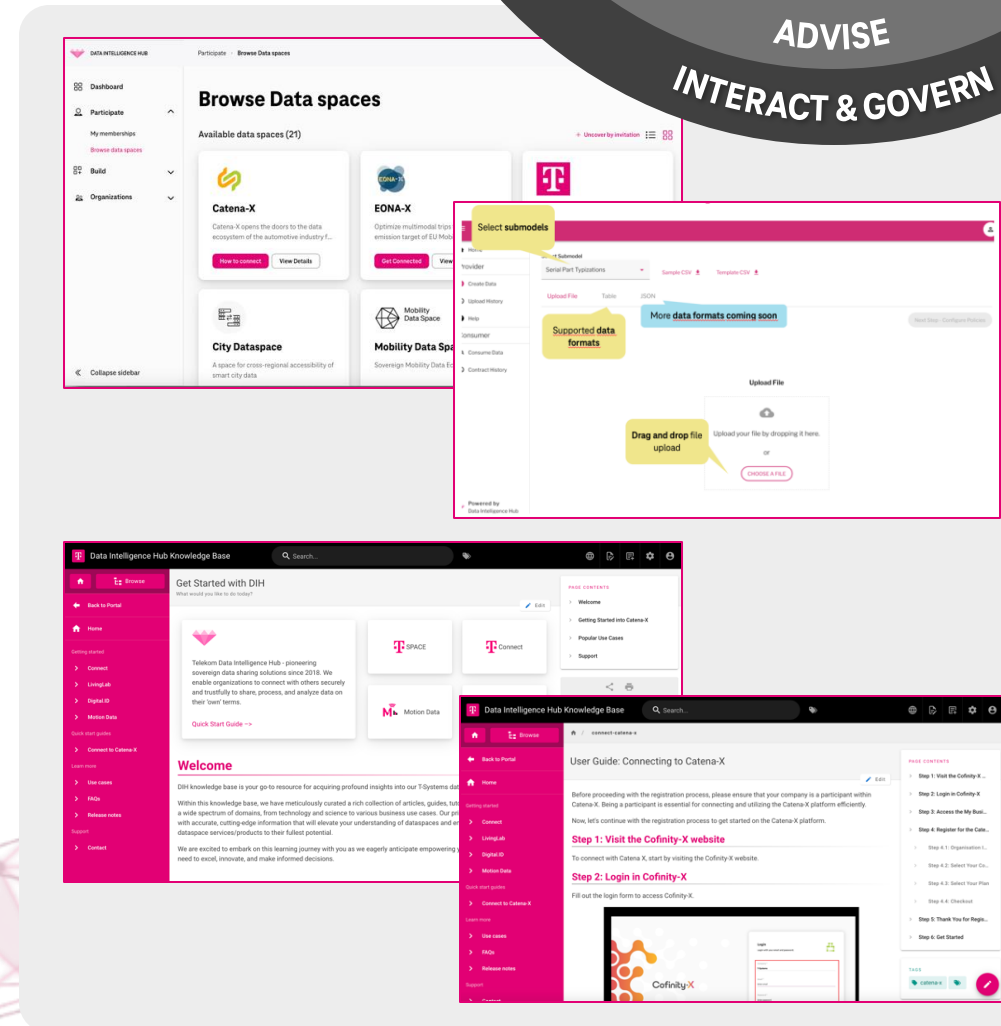
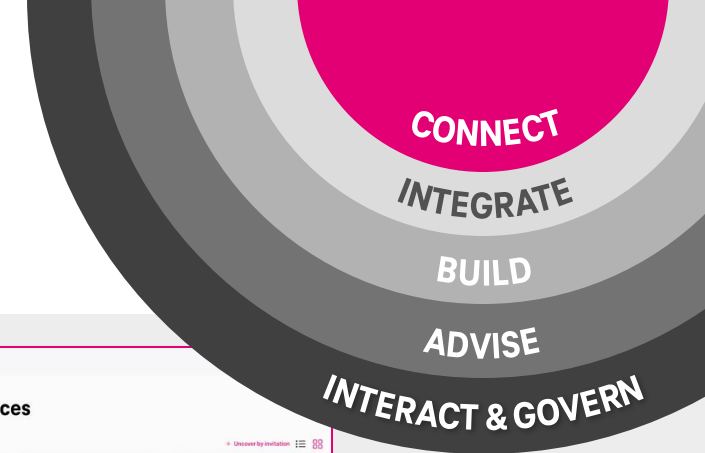


Target Group

Any dataspace participant – companies small, medium and large

Features

- **Auto-setup:** Automatic provision and configuration into Catena-X on **any cloud**
- **Catena-X certified** managed solution, **IDSA certified** & **Gaia-X compliant** services
- Advanced **data usage control** and policy setup, management and negotiation
- **Trust ensured** by Deutsche Telekom's independent and **secure global network**
- Fully supportive of Catena-X **Managed Identity Wallet (MIW)** and **distributed Digital Twin Registry (dDTR)**
- **Sovereign Plus:** to offer data stored in the T-System Sovereign Cloud (end-to-end sovereignty protection)



Integrate | Standard

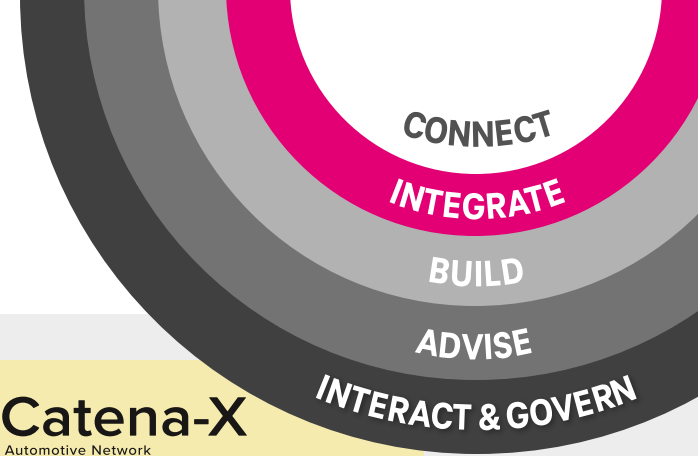


Target Group

Small and medium-sized companies (data consumer and/or provider)
App Providers

Features

- All benefits of Connect offering (also on premise)
- **Auto-setup** of managed service in few clicks
- **Data integration of any IT system** via exchange format or standardized API
- Basic **mapping & conversion** of data models
- Basic **data governance** support
- User-friendly GUI with **low-code approach**
- Support of **all Catena-X use cases** and data processing protocols



Connect

Integrate Standard
(Simple data integration)



Integrate | Customized

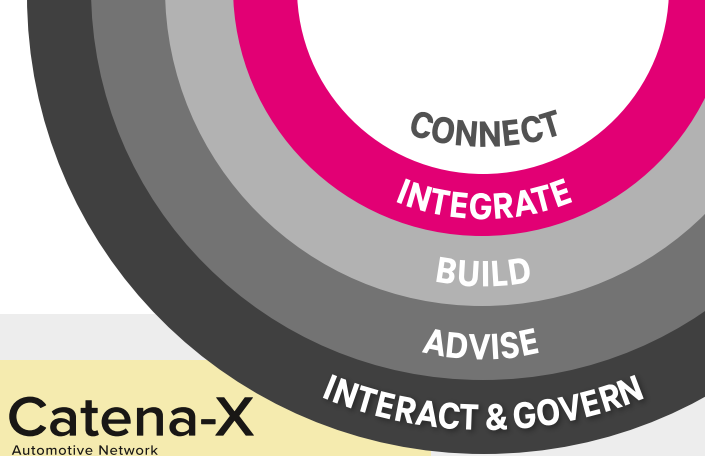


Target Group

Medium-sized to large companies (data consumer and/or provider)

Features

- All benefits of Connect offering (also on premise)
- **Data integration** of any IT system via middleware (own solution or T-Systems PDM Web connector)
- **Out-of-the-box adapters** for several corporate IT systems (PLM, ERP, ALM etc.)
- **Extensive support** for semantic mapping, data conversion, change impact analysis, visualization
- Support of **all Catena-X use cases** and **data processing protocols**

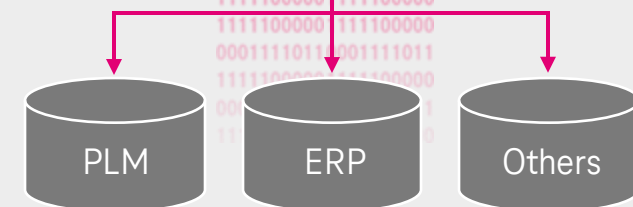


Connect

Catena-X Data Integration

Semantic Integration

Corporate IT-Integration

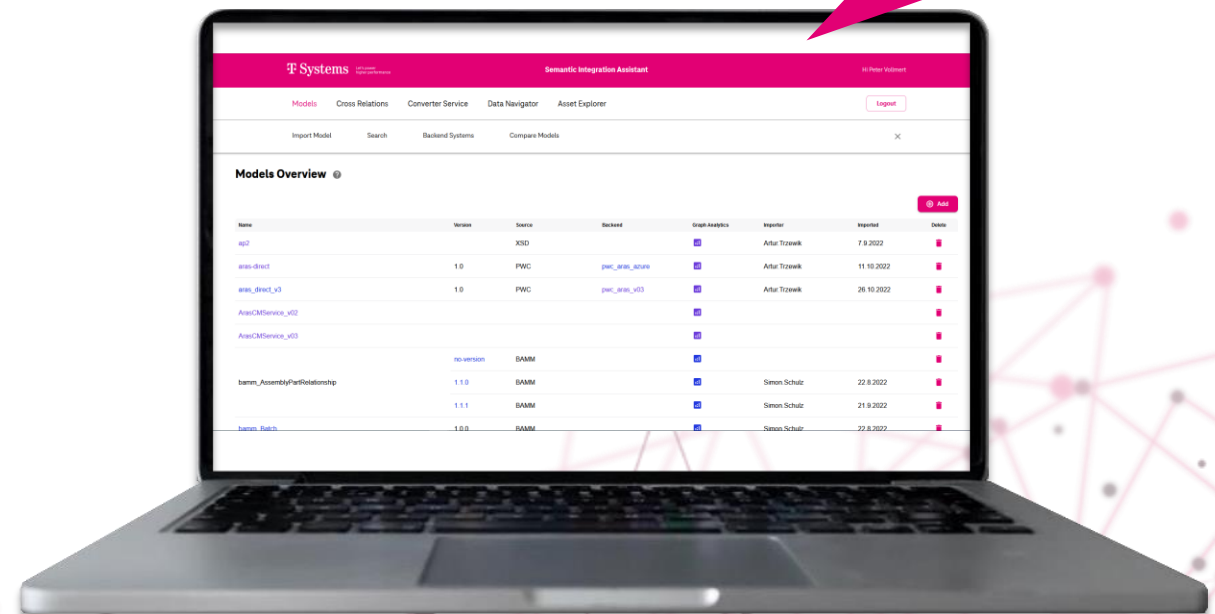


Connect & Integrate | Live in Action

Connect in Action



Integrate in Action



Use Case Scenario:

SUSTAINABILITY

Build | App Development in 3 days

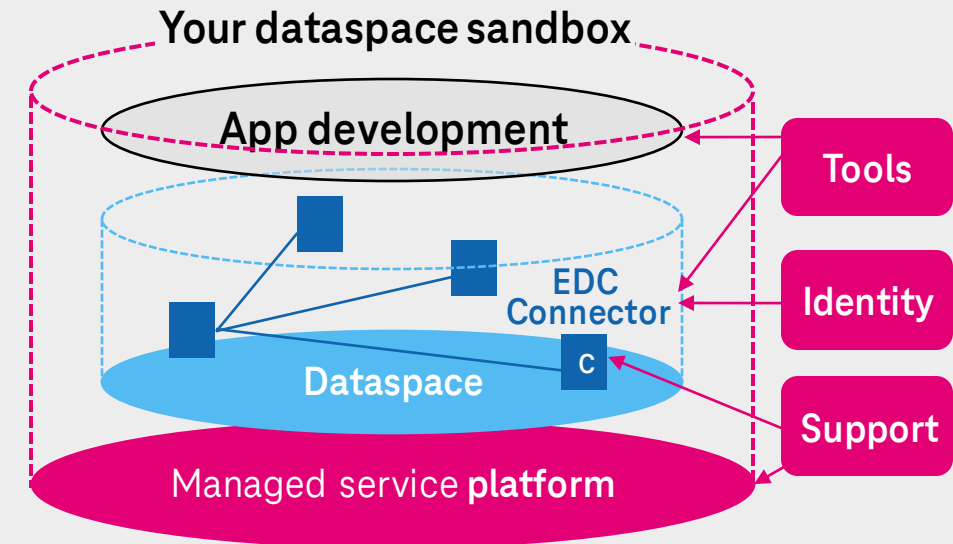
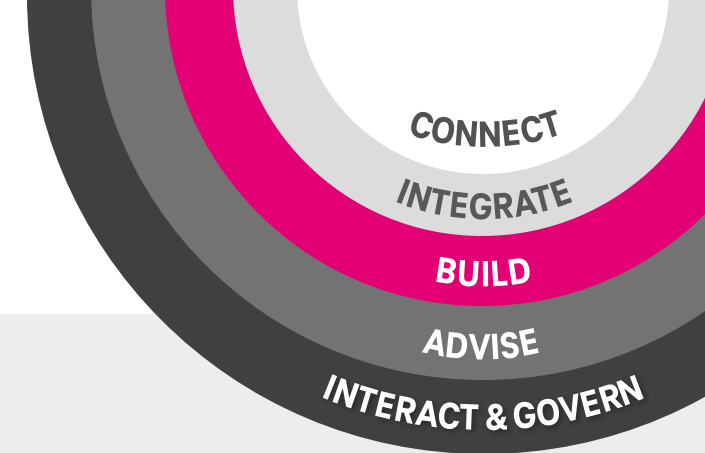


Target Group

Companies of all sizes
App Builders

Features

- Upgrade existing apps or create new to **benefit from better data** across organizations, such as digital twins
- **You focus on your apps** - we maintain the dataspace that powers it
- Develop **business apps that scale** from 1:1 to 1:many in **3 days**
- Based on Semantic Web technology for dataspaces
- Living Lab, App prototyping sandbox as a managed service based
- Support for App conceptualization (e.g. semantic modelling) and development (e.g. frontend design)



Speed up time to market with best-in-class data sovereignty protection



Advise | Implementation

What's in for you?

**Dataspace
101**

**Connect &
Integrate**

**Dataspace
Governance**

**App Design &
Prototype**

Modular Concept:

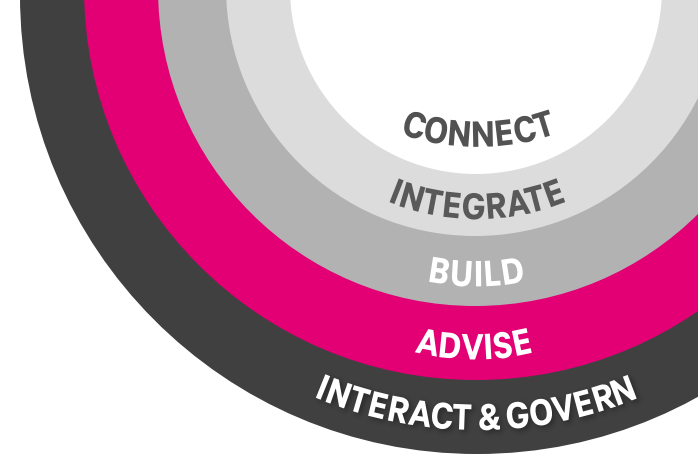
- **Technical** Four modules to customize your workshop experience

Duration:

- **Technical** 1-3 Days

What you will learn:

- **Technical knowhow** on Catena-X and dataspaces in general
- **Value creation** within dataspaces
- Interactive **deep dives** to identify challenges and solutions for your **individual needs**



Interact & Govern | Participate without sorrow

Features:

UI/UX Factory

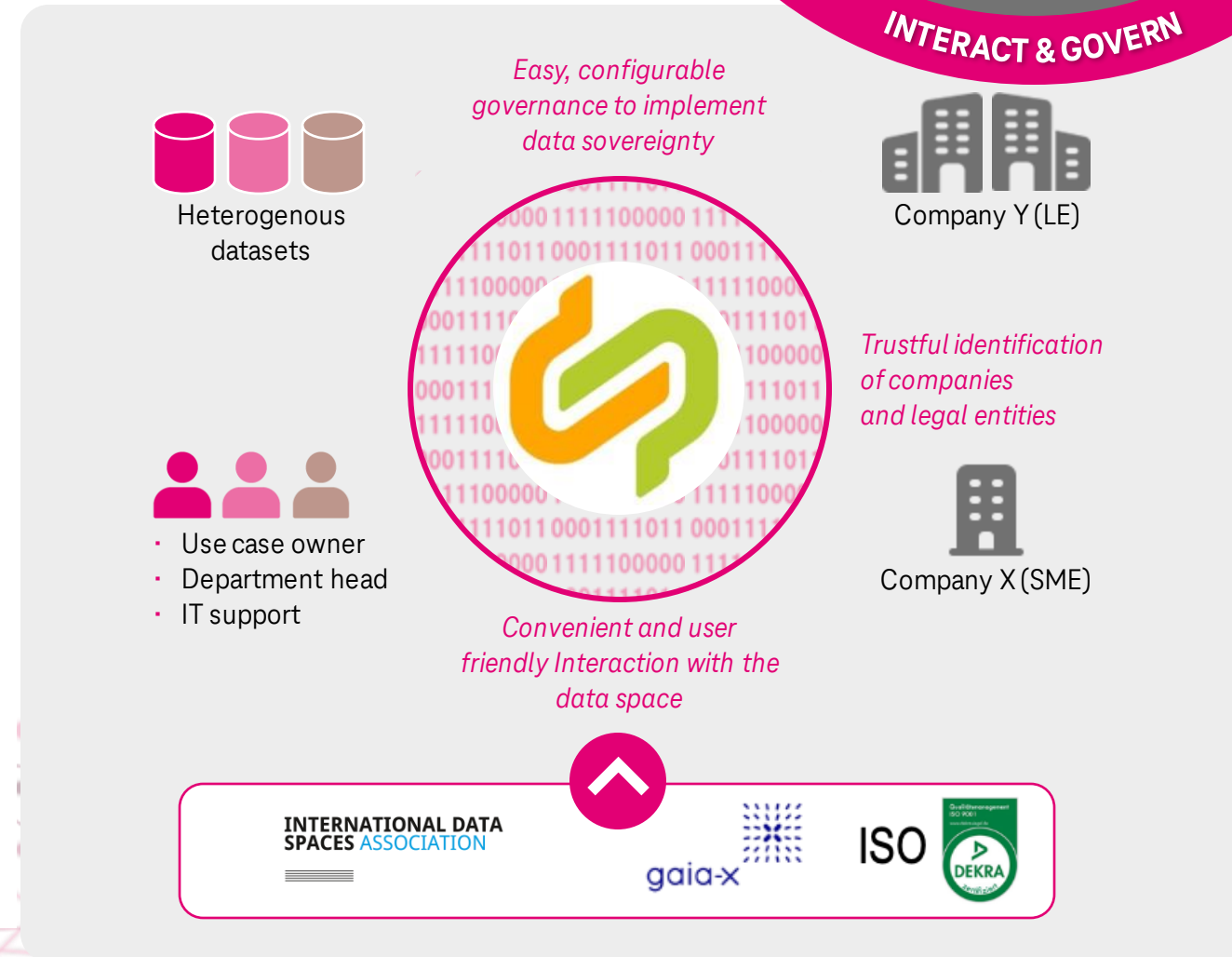
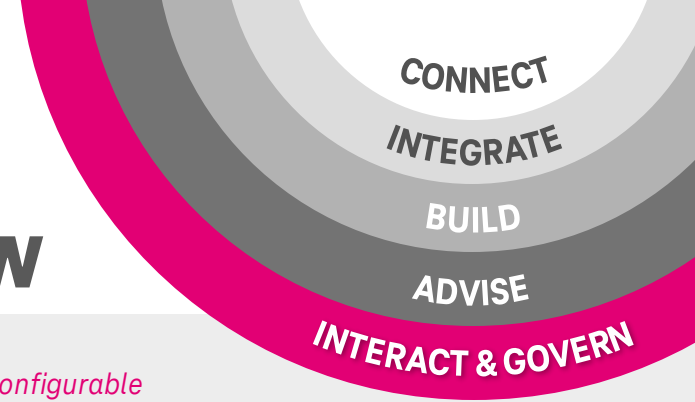
- All-in-one platform
- Easily manage accounts, permissions and apps
- User-friendly interface

Digital.ID

- eIDAS conform signature
- Gaia-X compliance
- Trusted data sources, such as OpenCorporates
- User-friendly UI & business reporting

Governance Kit

- Digital Thread from backend data to published EDC assets, policies, contracts and auditable protocol of shared data
- Management & configuration of multiple EDCs in one frontend



04 Catena-X use cases | a few examples



Sustainability (CO2 Footprint)

CO2 reporting along the automotive value chain to calculate and compare CO2 data in a standardized way



Circular Economy

Integrate all levels of value creation and to make the circular economy more sustainable, durable and transparent



Real-time control

Stabilise processes and ensure greater efficiency for all Tiers by predictive online control and simulation



Traceability

Enabling end-to-end tracking of products, components and materials throughout the entire product life cycle



Manufacturing-as-a-Service

Bringing together prospective customers, suppliers and on- demand manufacturing platforms for interaction



Digital Twin

Use of digital behaviour twins for seamless integration of each product and all its sub-components

05 Why T-Systems for Catena-X?

OUTSTANDING COMPETENCE

- ✓ Pioneer in Dataspaces & Data Integration
- ✓ One of the seven founding members of Catena-X
- ✓ Key contributor in platform development
- ✓ Operation of use cases and beta test environment
- ✓ Onboarding of partners

SUPERIOR SOLUTIONS

- ✓ Catena-X certified
- ✓ Vendor independent integration
- ✓ “Off-the-shelf” backend adapters
- ✓ ONE data governance & integration hub
- ✓ Scalability from a few to mass data
- ✓ User-friendly GUIs and low-code

Next steps | Contact us !



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[Visit our website!](#)



Thank you!

Customer Success | References

Digital.ID

Challenge

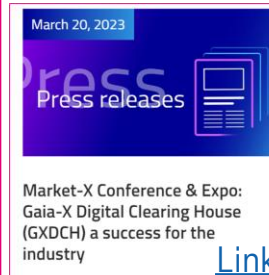
- Automotive sector needs to data-driven value chain
- Secure identities and data sovereignty
- Catena-X follows Gaia-X guidelines to build a trusted data infrastructure
- Verifying credentials of participants in Catena-X

Solution

- T-Systems as Gaia-X Digital Clearing House Node, serving as a Trust Anchor
- Beyond eIDAS certificates, T-Systems validates commercial registration and tax numbers
- Company receives verified credential for the Catena-X – similar to an ID card

Customer benefits

- Digital.IDs provide a trusted proof of authenticity
- Trustworthy framework compliant with Gaia-X regulations
- Trusted and secure data exchange in the largest sovereign ecosystem operated by both automotive manufacturers and suppliers built on trust



Whitepaper

Medien | 14.09.2023

T-Systems: Catena-X ab 29 Euro

Erstes Komplettpaket zur Anbindung an Catena-X: T-Systems bringt Hersteller und Lieferanten ins Datenökosystem der Automobilindustrie. Der IT-Dienstleister berät Kunden, verbindet Teilnehmer und beschleunigt den Datenaustausch.

→ Medieninformation

Link



LRP

Challenge

- Complicated and costly assessment of end-of-life vehicles concerning purchase decision, disassembly and recycling
- Currently costly commercial databases + own expertise used

Solution

- Utilization of CX Feature "Circularity Dashboard" by LRP to improve data availability & decision making
- Connection of the ERP (ODOO) to the Catena-X infrastructure via T-Systems "Integrate Standard" product (Basic data exchange service for Catena-X)

Customer Benefit

- (Partial) automation of data exchange
- Reusability increase of end-of-life vehicles and their components by re-selling or recycling them



Quelle: <https://www.lrp-autorecycling.de/>



Quelle: <https://www.odoo.com/>

Telekom Press Release

LRP Reference