



**IDTA Data Spaces
Kickstart / March 2026**

Trusted Data for Agentic AI

*Your data. Their agents. Who's in control?
The mesh is coming. The trust layer is missing.*

Malte Gasseling - Think-it
Andreas Huber - Nexyo

www.think-it.io | www.nexyo.io

An aerial, black and white photograph of a roundabout. Several cars are visible on the road, moving in a clockwise direction. The center of the roundabout is landscaped with rocks and low-lying vegetation. White text is overlaid on the image, centered in the upper half. A small yellow horizontal line is positioned below the third line of text.

Your data. Their agents.
Who's in control?

The mesh is coming. The
trust layer is missing.

We would like to share
our experience with you

Your Data. Their Agents. Who's in Control?

Problem



Your AAS structures the data. But AI agents from partners and customers want access.



68% of enterprise data remains unused – locked in silos by trust and compliance barriers.



Without a trust layer, AI-driven automation across organizations remains a promise, not reality.



Identity

Who is this agent? Who authorized it?
Verifiable credentials for machines.



Policy

What can this agent do with my data?
Machine-readable contracts enforced in real time.



Audit

What happened? Every data access logged.
Compliance evidence by design.

The Digital Twin is ready. The data exchange protocols exist. But the trust layer for autonomous agents is missing.

Why This Matters



While AI Adoption
is accelerating



Most **data** remains untapped
in enterprise silos

WHY NOW

The Agentic Mesh is Coming – Three Forces Converging

From bilateral data exchange to an agent-driven data mesh. Regulation, Agentic AI, and Data Space Standards converge to create an inflection point.



When machines talk to machines at scale, bilateral trust agreements break down. You need infrastructure.

The AAS provides semantics. Data Spaces provide exchange. But the trust layer for autonomous agents is still missing.

THE AGENTIC MESH IS COMING

The Agentic Mesh is Coming

- The Trust Layer is Missing

From bilateral data exchange to an agent-driven data mesh. The trust layer is missing.



Plant seedlings

1:1 Agent Networks

Direct partner exchange.
One hub connects to one hub.
First compliant data flow in days.



Help them grow

Small-Scale Agent Networks

5–25 participants federated.
Shared governance, catalogs, policies.
Use cases emerge.

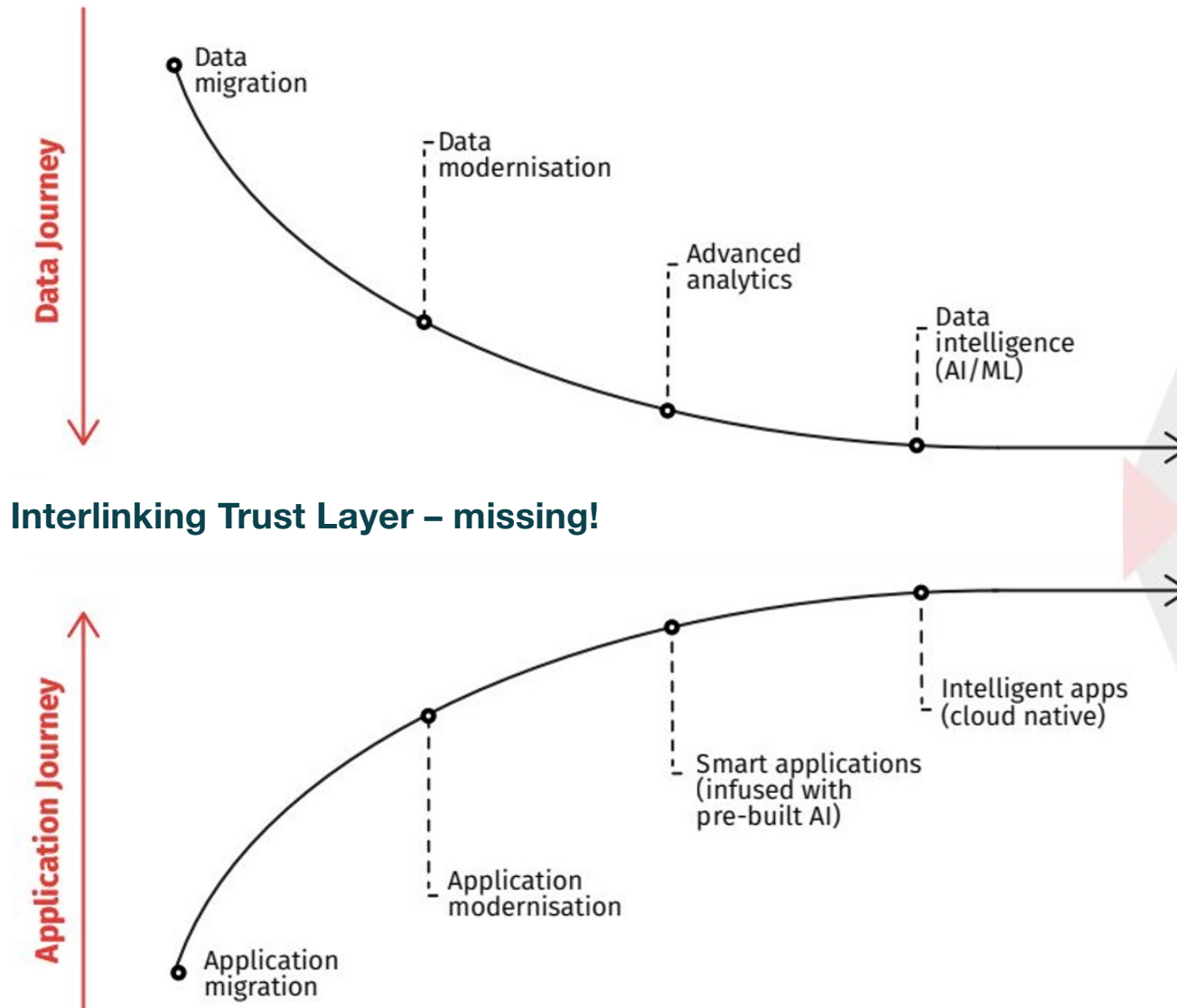


Watch it blossom

Agent Ecosystems at Scale

100+ participants. Services
running on trust substrate.
Network effects kick in.

The more services, the more reason to participate. The more participants, the more valuable the services.



- 1) Today, sharing data across companies or even departments still means endless legal reviews, custom connectors, and security headaches.
- 2) With the EU Data Act and AI Act coming into force, companies must prove data provenance and compliant usage. nexyo automates this.



Let's Discuss: How Do You See AI Agents Interacting with Your Digital Twins?

Why Agents Need Trust Infrastructure



Human Decision-Maker

| | |
|------------------|------------------------------|
| Trust via | Reputation & Relationships |
| Contracts | Read & negotiated by lawyers |
| Decisions | Judgment & context |



Autonomous AI Agent

| | |
|------------------|---------------------------------|
| Trust via | Verified Identity & Credentials |
| Contracts | Machine-readable, auto-enforced |
| Decisions | Policy-bound, auditable actions |



Scale Problem: 1,000 agents across 50 organizations. Bilateral trust doesn't scale. You need infrastructure.



Verified Identity

Every agent carries verifiable credentials. Organizations are authenticated. Trust is cryptographic, not assumed.



Enforceable Agreements

Machine-readable contracts define exactly what data can be used for, by whom, and under what conditions.



Technical Enforcement

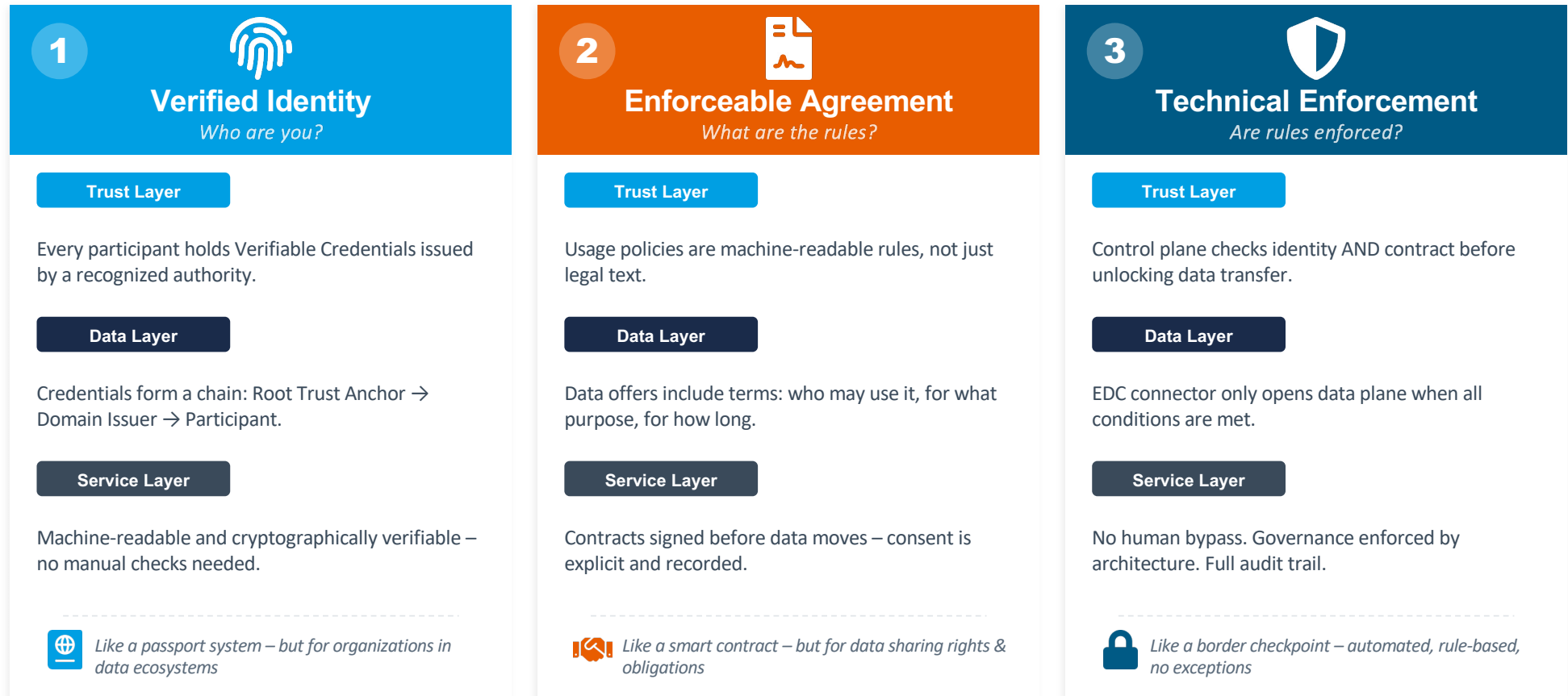
Policies enforced at runtime. Every access logged. Compliance evidence generated automatically.

The Answer: A Trust Fabric – identity, agreements, and enforcement as infrastructure for autonomous agents.

ESTABLISHING TRUST

Trust = Identity + Agreement + Enforcement + Audit

Four interlocking elements create machine-verifiable trust. Without any single one, data sharing fails.



Trust is not declared — it is proven. Machine-verifiable, cryptographic, and enforced by architecture.

ESTABLISHING TRUST

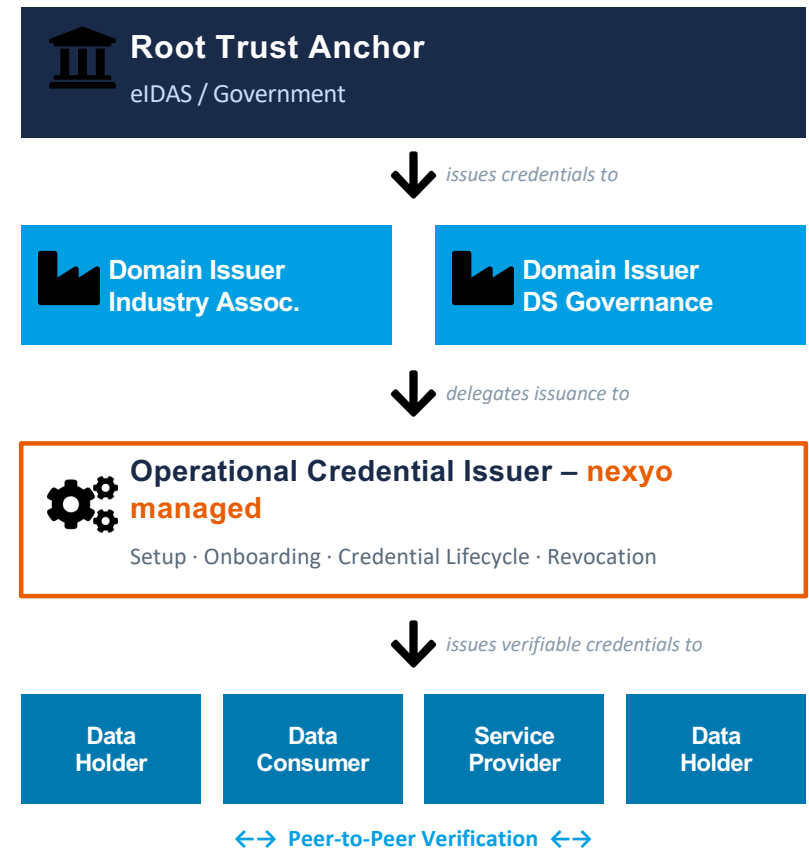
How Trust is Built: the Cascade with decentralized Credential Issuers

Trust is not established by a central authority, but through a cascade of Credential Issuers – each level verifies the next.

- 1 Root Trust Anchor**
A governmental or EU-wide body (e.g. eIDAS Trust Service) forms the trust anchor. It issues the root credential that legitimises the entire chain.
- 2 Domain Credential Issuer**
Industry associations or Data Space governance bodies receive a credential from the trust anchor and are authorised to issue domain-specific credentials.
- 3 Operational Issuer (nexyo)**
nexyo sets up the issuer infrastructure and operates it on request. This includes onboarding, credential lifecycle and revocation – as a managed service.
- 4 Participant Credentials**
Each participant receives Verifiable Credentials (VCs) proving their identity, roles and permissions in the data space. Verifiable peer-to-peer.

nexyo Credential Issuer Services

- Set up issuer infrastructure (on-prem or cloud)
- Credential Schema Design & Policy Definition
- Managed Issuer Operations (Onboarding, Revocation, Renewal)
- Integration with existing IAM and Data Space architectures



Root Trust

Domain Issuer

Operational (nexyo)

Participants

OUR APPROACH

Trusted Data Capabilities



Challenge

AI agents and Digital Twins generate massive cross-organizational data flows. But access is limited by trust, compliance, and sovereignty concerns.



Opportunity

Trusted Data Capabilities – combining Data Space infrastructure with AI-ready governance – enable secure collaboration without giving away control.



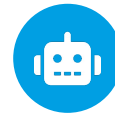
Consulting

Readiness Sprints, Pilots, Scale and Rollout



Solutions

DPP AI Client, Data Mgmt, Compliance Agent, AI Toolkit



DPP AI Client: Digital Product Passports with AI

AI agents create, validate, and exchange Digital Product Passports across the supply chain – with full policy enforcement and audit trails.

How It Works

AI agents access AAS-structured product data. They generate DPP-compliant documentation automatically. Every access is policy-controlled and logged.

Business Value



DPP compliance in weeks, not months



Automated across Tier 1–3 suppliers

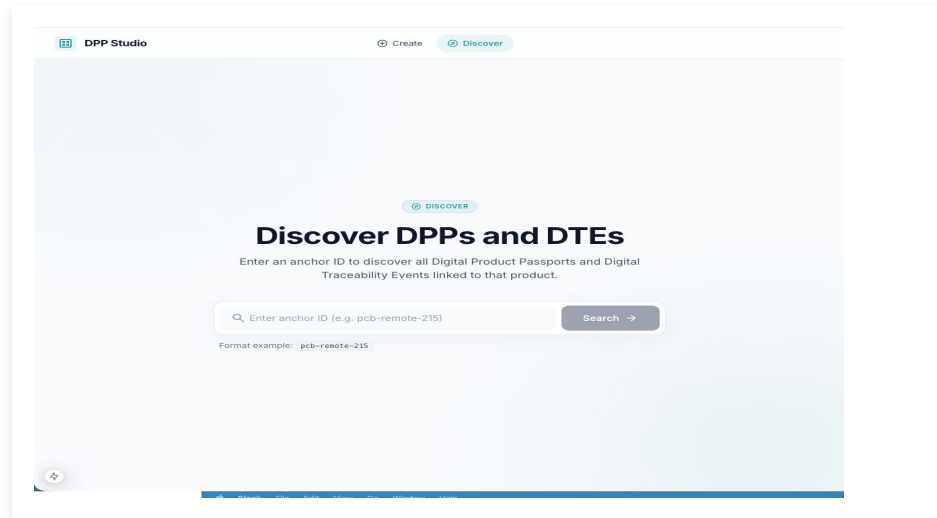


Sovereign data stays sovereign

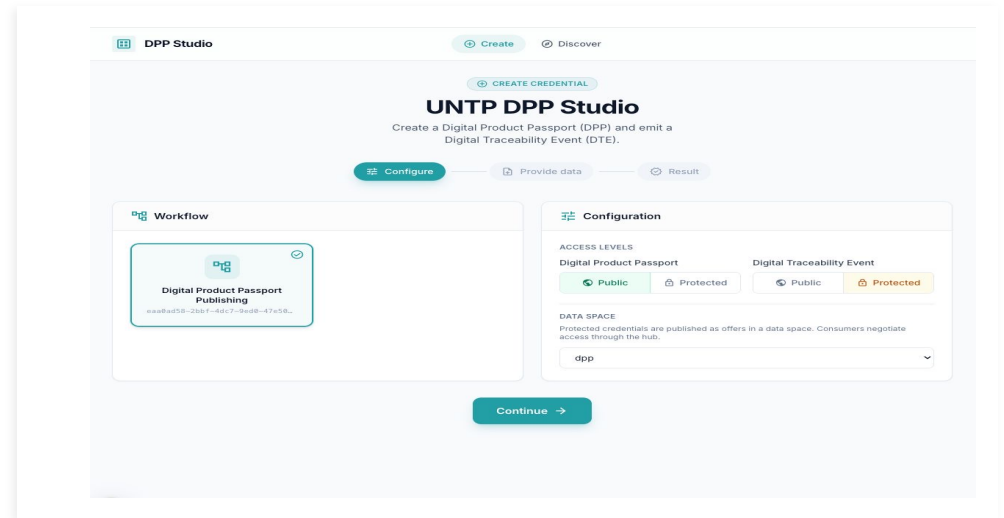
Think-it builds the Data Space infrastructure. nexyo provides the Trust Layer and AI orchestration. Together: Trusted Data for Agentic AI.

CAPABILITIES WITH EXISTING TOOLS

AI Agents Accessing Data via Data Space Technology

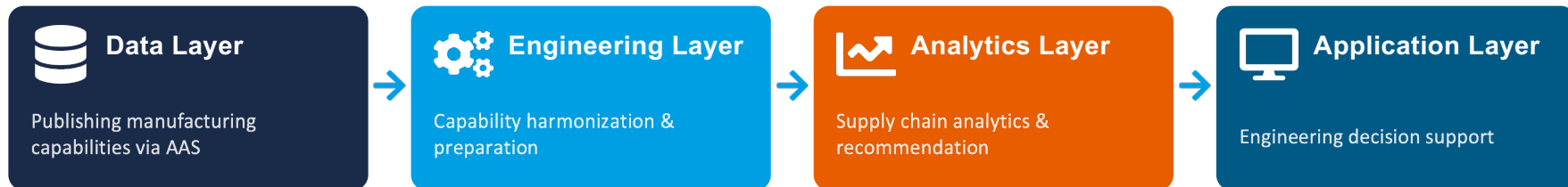


DPP Studio – Discover DPPs & DTEs



UNTP DPP Studio – Create & Configure

Data Flow →



smartfab.space: Data offers with metadata + usage conditions via DS connectors (EDC)

AI agents discover, access, and consume data via Data Space protocols – governed, traceable, compliant.

CAPABILITIES WITH EXISTING TOOLS

AI Workflows Integrating Orchestration & Legal

The screenshot shows the 'Workflows (3)' section of the nexyo interface. It includes a sidebar with navigation options: Start, Data Spaces, Hub Data Assets, Policies, Verbindungen, and Workflows. The main area displays a table of workflows with columns for Workflow-Name, Beschreibung, Worker, Verknüpfte ConnectorJobs, and Ausführungseinstellungen. The table lists three workflows: AI Hub, TIRIS Catalog Ingestion, and workflow-thuc-test.

| Workflow-Name | Beschreibung | Worker | Verknüpfte ConnectorJobs | Ausführungseinstellungen | | |
|-------------------------|--|---------|--------------------------|--------------------------|-----------|------------------|
| AI Hub | Anbindung des AI Hub der beebucket | WEBHOOK | 1 | 0 | Automated | Details anzeigen |
| TIRIS Catalog Ingestion | Workflow to ingest TIRIS geodata catalog entries as open data assets | TIRIS | 2 | 3 | Automated | Details anzeigen |
| workflow-thuc-test | workflow-thuc-test | WEBHOOK | 2 | 0 | Automated | Details anzeigen |

nexyo Workflows – Automated orchestration with connectors & jobs

What nexyo makes possible

nexyo removes the friction and closes the gap between data and services.

With the nexyo Data Trust Hub, you can bring your data and services to the partners in your value chain securely, contract-based and controllable.

- ✓ 1. Share data securely with partners.
- ✓ 2. Prove compliance automatically.
- ✓ 3. Build and join data spaces effortlessly.
- ✓ 4. Turn your data into governed products.

Several Data Spaces in production

The screenshot shows the 'Data Spaces' section of the nexyo interface. It features a sidebar with navigation options: Home, Data Spaces, Hub Data Assets, Policies, Verbindungen, and Workflows. The main area displays a 'Stats' section with three cards: Data Assets (16), Data Spaces (30), and Hubs in your network (73). Below the stats is a 'Halo Captain!' section with two buttons: 'Explore all Data Spaces' and 'Create Data Asset'.

Media Data Space PoC created within days

The screenshot shows the 'Media Data Space PoC' section of the nexyo interface. It features a sidebar with navigation options: Home, Media Data Space Initiator, Data Spaces, Hub Data Assets, Policies, Verbindungen, and Workflows. The main area displays a 'Stats' section with three cards: Data Assets (6), Data Spaces (8), and Hubs in your network (9). Below the stats is a 'Halo Captain!' section with two buttons: 'Explore all Data Spaces' and 'Create Data Asset'.

16 Assets • 30 Data Spaces • 73 Hubs in Network

nexyo removes the friction and closes the gap between data and services – securely, contract-based, controllable.



**Let's Discuss: What Trust
Requirements Do You See for
AI Agents in Your Industry?**

Proven Track Record & Sovereign AI Vision

EXAMPLE: THINK-IT

MeDaS: Sovereign AI Fine-Tuning

The Media Data Space enables AI model fine-tuning on shared datasets – without publishers giving up control over their content.

How It Works

Publishers share datasets through EDC connectors with usage policies. AI fine-tuning happens within sovereign boundaries. Verifiable credentials ensure only authorized consumers access data.

 Data collaboration and AI performance are not mutually exclusive.



Common Vision for Sovereign AI

An open infrastructure where Digital Twins, Data Spaces, and AI agents work together – with trust as the foundation, not the bottleneck. Organizations retain full control over their data, even when AI agents process it at scale.

think-it

- ✓ Core EDC Committers
- ✓ Catena-X Architecture Committee
- ✓ MDS official provider
- ✓ Media Data Space innovation partner
- ✓ AWS prescriptive guidance authors

nexyo

- ✓ EDC-based solution out-of-the-box for production
- ✓ Trust 60+ hubs in production (Tourism Data Space AT datahub.tirol (25+ orgs), Manufacturing...)
- ✓ Trust Framework und Trust Service Provider
- ✓ EDC-AI Clients and Compliance Services
- ✓ DPP AI Client & Data Ecosystem expert

Since 2018 • 20+ projects • 60+ hubs

Deployments across automotive, mobility, media, tourism, health, and energy.

NEXT STEP

Together

think-it and nexyo help you design and implement a Trust Layer PoC for your Data Space infrastructure.

1



Design

Trust architecture for your organization: identity, policies, enforcement – tailored to your requirements.



2



Implement

Hands-on PoC with real data, EDC connectors, Verifiable Credentials, and policy enforcement.



3



Scale

From pilot to ecosystem: build your Data Space, onboard partners, automate compliance.

Get started with a Trust Layer PoC – typically 4 to 6 weeks.

Malte Gasseling – Think-it | Andreas Huber – nexyo

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The mesh is coming.

Let's build the trust layer – together.
think-it + nexyo

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Andreas Huber - Nexyo

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