CONSTRUCTION PRODUCTS EUROPE

Digital Construction

Workshop

Brussels, 7th October 2025

October 7, 2025

Introduction digiGO



Nice to meet you!!

Roger Tan, Executive Director digiGO

- 15 years experience in **digitalization** and **collaboration** within the architecture, engineering and **construction** industry**.**
- Previously 12 years experience in digitalization in the finance industry.
- Supervisory board member / trustee in the creative industry
- Citizen of the Netherlands, based in Rotterdam



What is digiGO?

digiGO is the leading organisation for digital collaboration in the built environment in the Netherlands.
digiGO is a public - private foundation, supported by both the government and the industry
Around 40 experts in digitalization and the built environment, work together, based near The Hague in the Netherlands

Our main activities consist of:

- Developing a strategy for digital collaboration over the entire value chain
- Developing and managing digital open standards
- Managing the DSGO trust framework
- Developing digital skills to foster digital cooperation
- Coordinating national sector agreements on digitalization

Our impartial central role ensures market and government confidence, support and adoption

Ministries | Provinces | Municipalities | Asset owners | Housing associations | Real estate developers



Construction companies | Engineering companies | Materials suppliers | Design companies | Financial institutions | Knowledge institutes





Our built environment faces major challenges

Collaborating more innovatively and efficiently through digitalization is not a luxury — it's a necessity.





The digital built environment has huge potential

Creating more focused ICT landscape and focus on data flowing	Focus on preferred standards and align processes/ data sharing	Strengthening digital skills in organizations creates leap forward	Managing risks of digitalization strengthens our sector
Reducing different suppliers, solutions and systems. Getting data out of silo's. Neutral coordination on initiatives and programs.	Determining preferred open standards and consistently apply these in contracts. Use shared data space that is realiable and trustworthy.	Development on digital leadership and vision and digital literacy will create understanding and urgency. Digital culture/ mindset determines future success	Policies on digital security and privacy become daily business. Quality and reliability of information is key factor. Functioning digital eco system will create level playing field for SMEs.

Analysis: A more focussed approach can deliver on the huge potential of digital collaboration in the value chain.

The digital built environment already exists

Data is relevant in every step of the process

Building materials

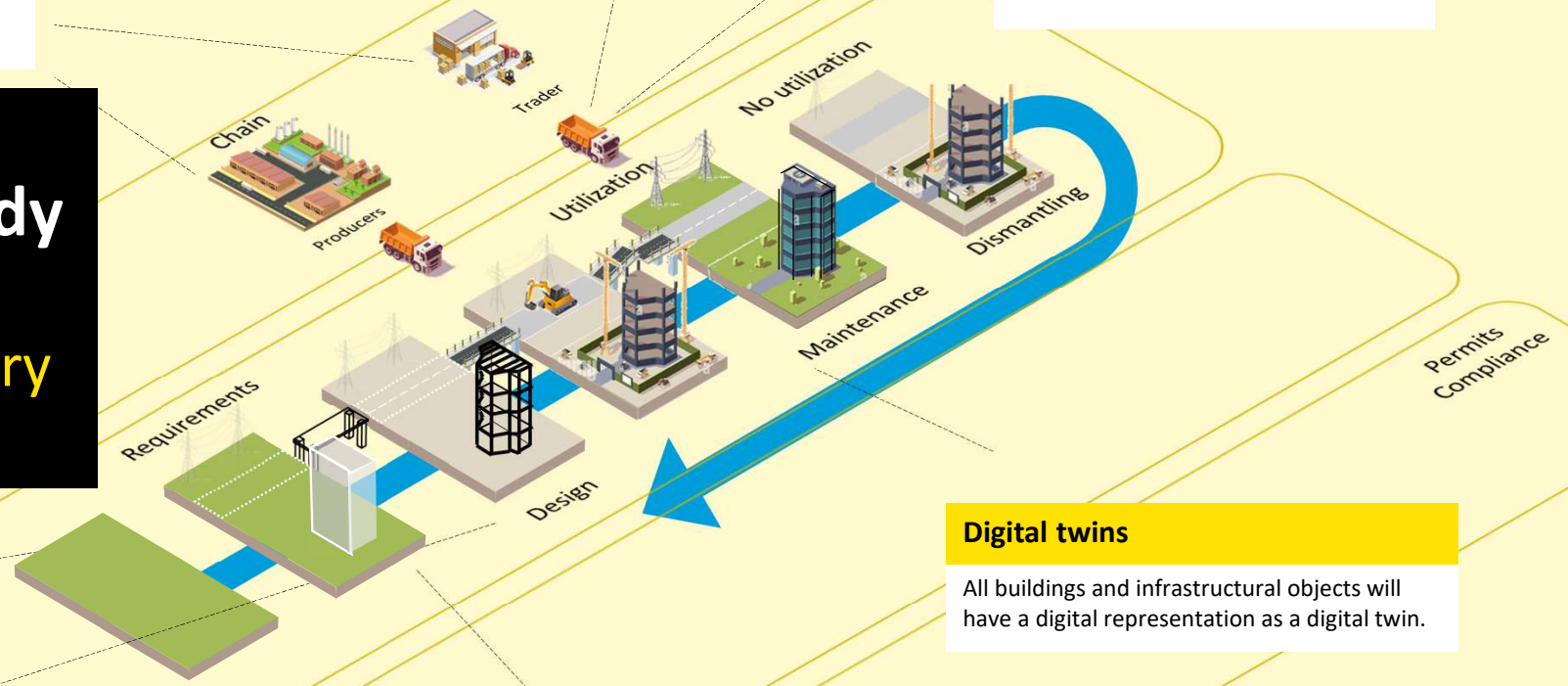
Many products and materials receive their own digital representation and identity to stimulate circularity and cost control.

Professionals and companies

To guarantee safe and reliable digital transactions, professionals and companies create their own digital representation and identity.

Construction logistics

Smart algorithms help the logistics around construction and maintenance to become emission-free and optimized



Digital twins

All buildings and infrastructural objects will have a digital representation as a digital twin.

Design and construction

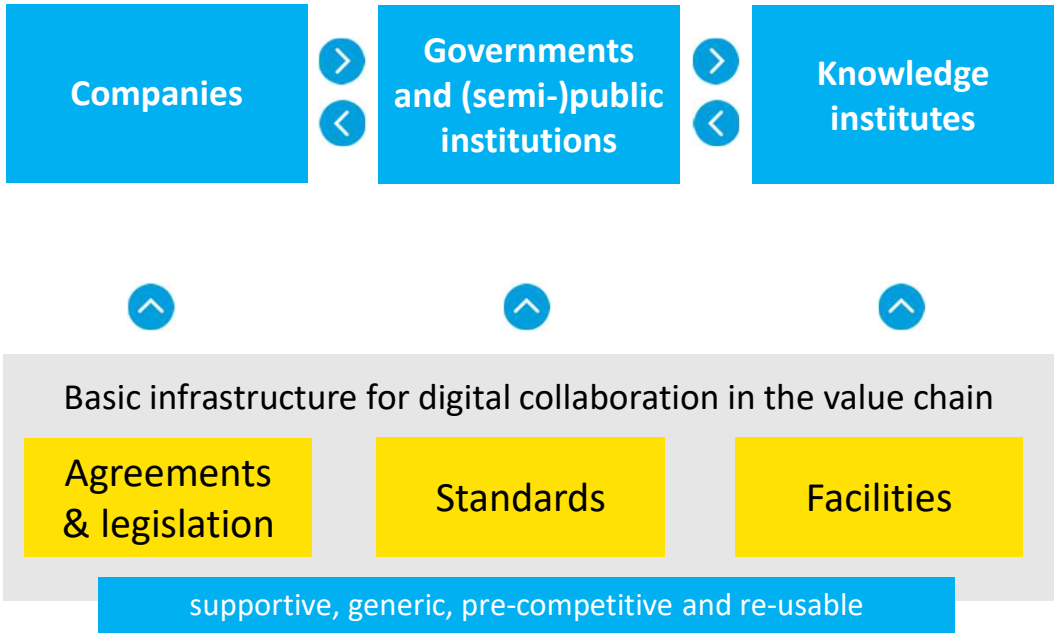
Design and construction is becoming modular and computer-driven, focusing on cost reduction, acceleration and quality.

Permits and construction quality

Permits and construction quality are validated through algorithms that shorten lead time.

The digital built environment is still immature

Without a basic infrastructure there is NO digital collaboration



Basic infrastructure for digital collaboration in the value chain

Agreements and legislation
Agreements and where necessary legislation on the architecture and application of standards and facilities.

Standards
A reference architecture to describe processes, and for every type of information exchange a consistent open digital standard.

Facilities
These are generic technical or organizational building blocks that are crucial components of digital processes and value streams in the sector.

Basic Infrastructure examples

Agreements & legislations

- Network & Information Security Directive 2 (NIS2)
- European Data Act
- Artificial Intelligence Act (AI Act)
- Energy Performance of Buildings Directive (EPBD)
- Data Governance Act (DGA)
- Digital Product Passport (DPP)



Standards







Facilities





















What does digiGO do?

digiGO builds the **national basic infrastructure for digital collaboration in the built environment** - as stimulator, orchestrator, and developer

Agreements and legislation

- digiGO is the lead partner of the 'Administrative Agreement' consisting of 22 policy measures for adoption of standards and facilities.
- digiGO collaborates with the national government on the digitalization of existing legislation such as 'WKB' and 'Omgevingswet'.
- digiGO coordinates alignment and responses to international EU digitalization legislation for the built environment.

Standards

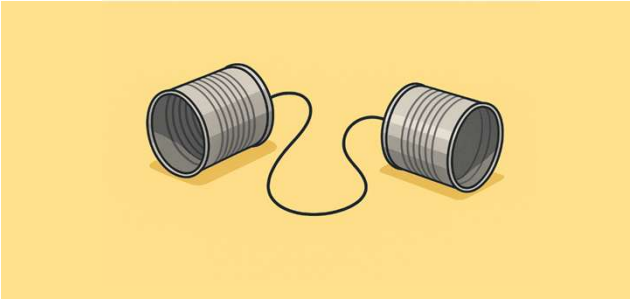
- digiGO is the lead partner of the Reference Architecture for the built environment ('GEBORA').
- digiGO is the initiator and lead partner of the Register of Preferred Standards for the built environment.
- digiGO manages standards, VISI, NLCS and guidelines like the ILS.

Facilities

- digiGO is the developer and impartial manager of the Dataspace for the built environment (DSGO) and its associated facilities.



The evolution of data sharing



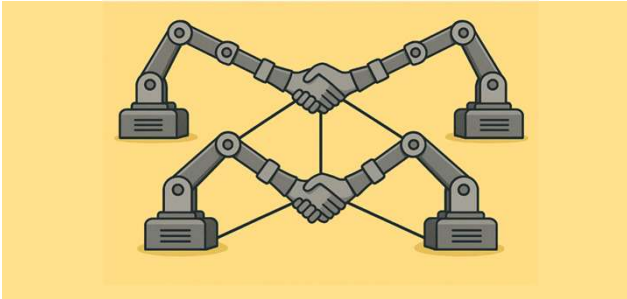
Pre-historical: point-to-point

- Point-to-point
- Different ideas about how data should be sent and received
- No standards or conflicting standards for the same type of data
- Duplicates everywhere, with many manual actions
- Unclear data quality and ownership



Last centrury: platforms

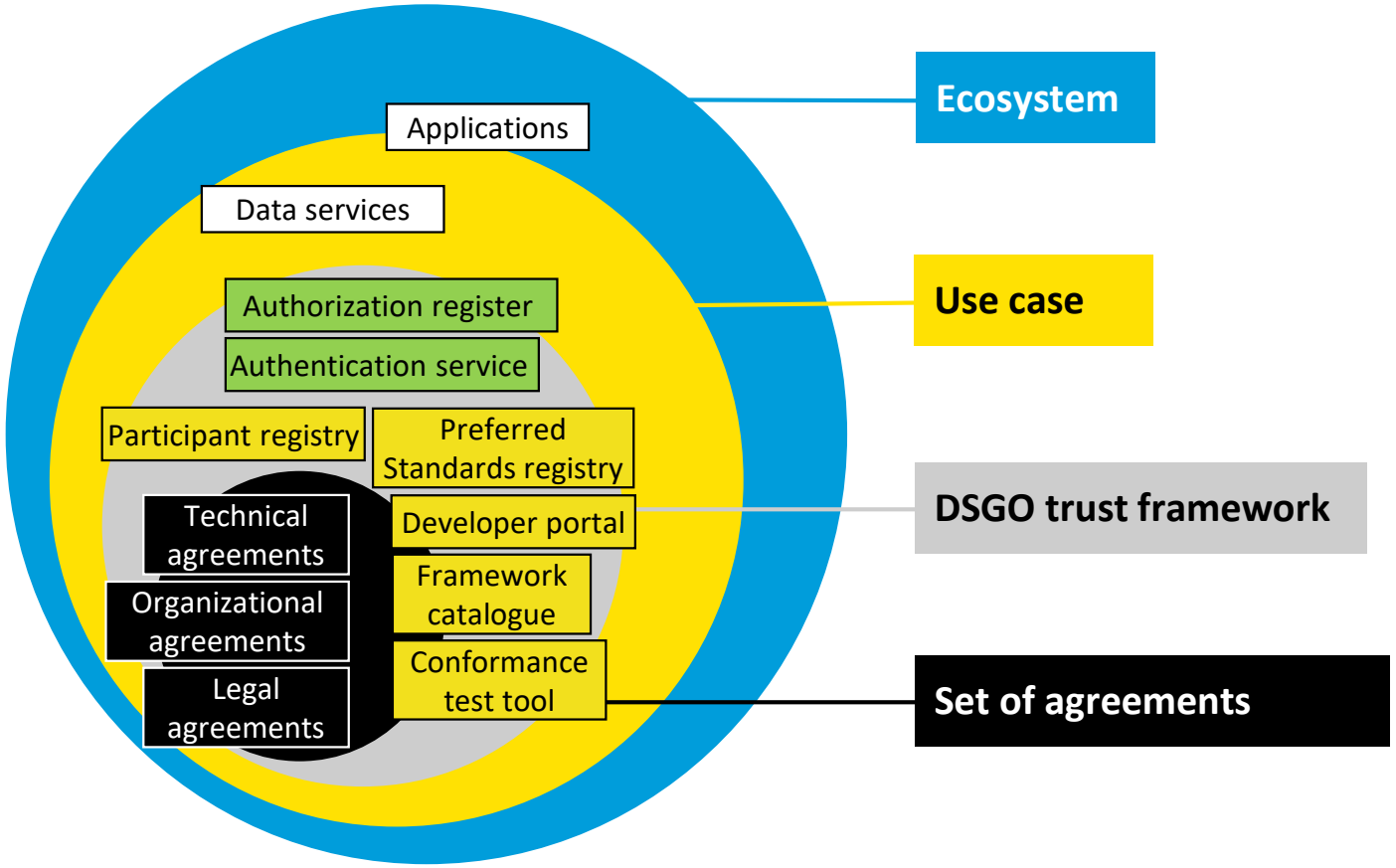
- Central platform as a solution for everything
- Less duplication, but strong dependence on vendors (vendor lock-in)
- Platform owns the data and uses it commercially
- No level playing field in the value chain



Now: data-ecosysteem

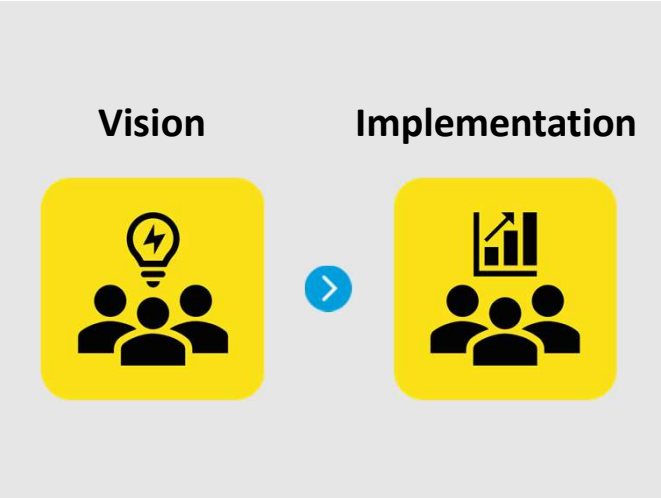
- Controlled data sharing with clear agreements and open standards
- Data remains at the source, with minimal duplication
- Clear governance, quality, and availability of data
- Machine-to-machine processing for efficient workflows
- Level playing field for SMEs

DigiGO manages DSGO trust framework (Data Space)

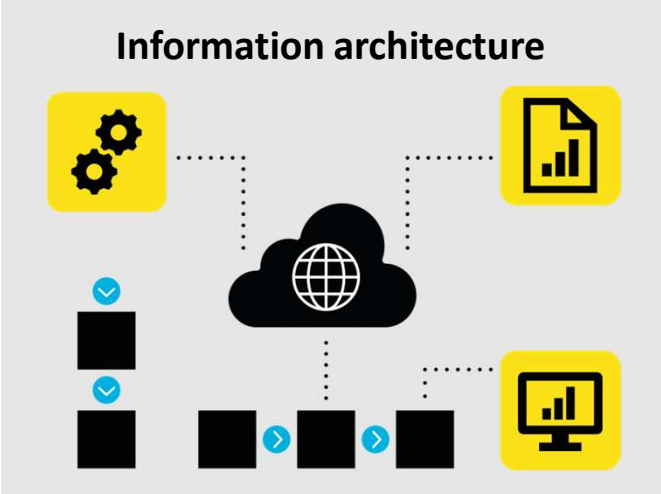


To make the digital trust system 'work' we need people, processes and usecases

1. Digital vision, strategy and skills to scale up digital cooperation



2. The overall architecture (GEBORA) to describe our processes and information to make data flow through the value chain



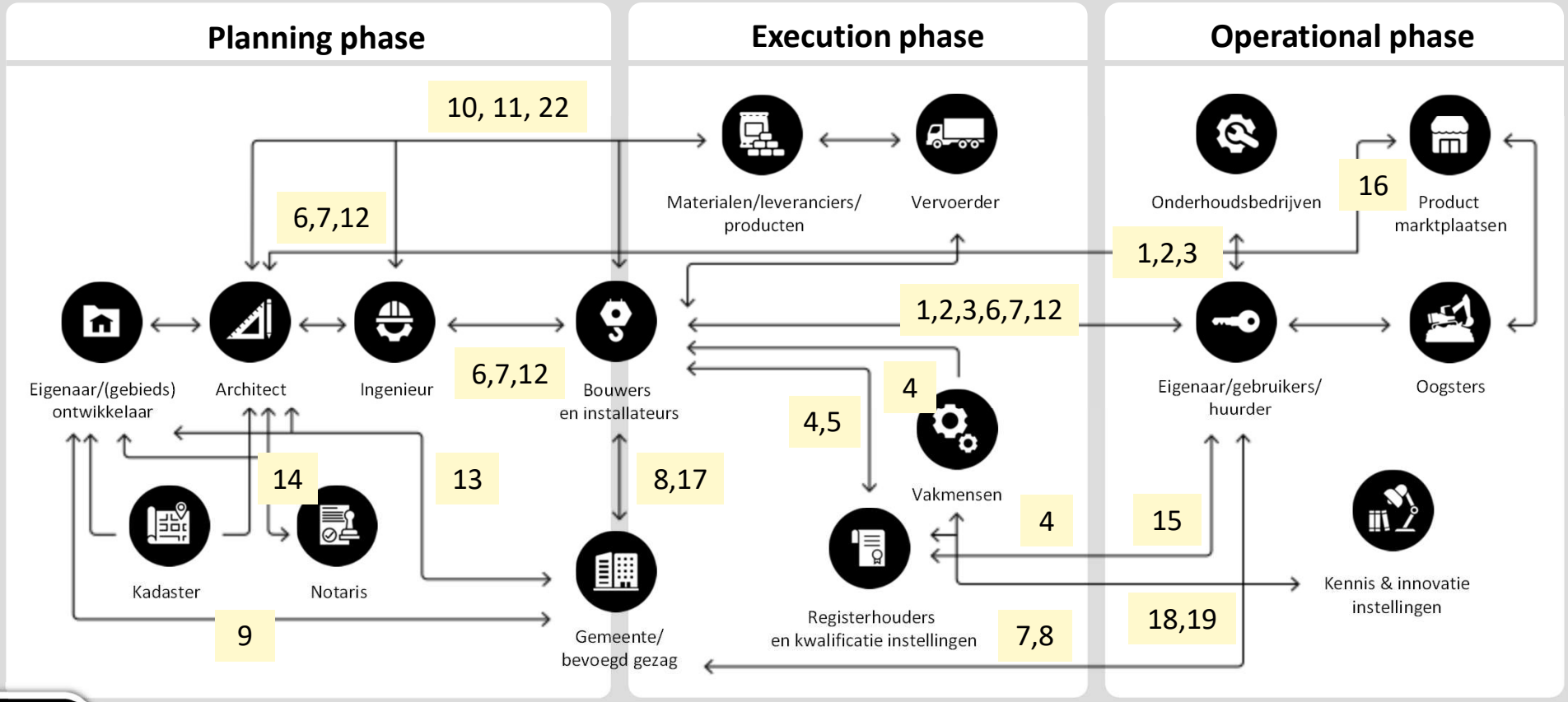
3. Practical implemented use cases that solve current problems by sharing data via the (DSGO) trust system



Policy Agreement Digital Built Environment '27



22 Policy actions applying standards & trust framework
Signed by over 40 sector organiszations
Leading to many concrete digiDeals and solutions



DSGO

As a foundation for data exchange - from the source - between all parties in the chain(s), and as a connector to other systems 20,21

Statements to start the discussion

1. A stronger internal data market is key to boosting Europe's efficiency, innovation, and competitiveness.

2. Can the Dutch Trust Framework (DSGO) also be adopted in other countries?