

**Digital Transformation needs a
Knowledge Graph Driven
Business Digital Twin First.**



Dr. Sebastian Tramp, CTO @ eccenca.

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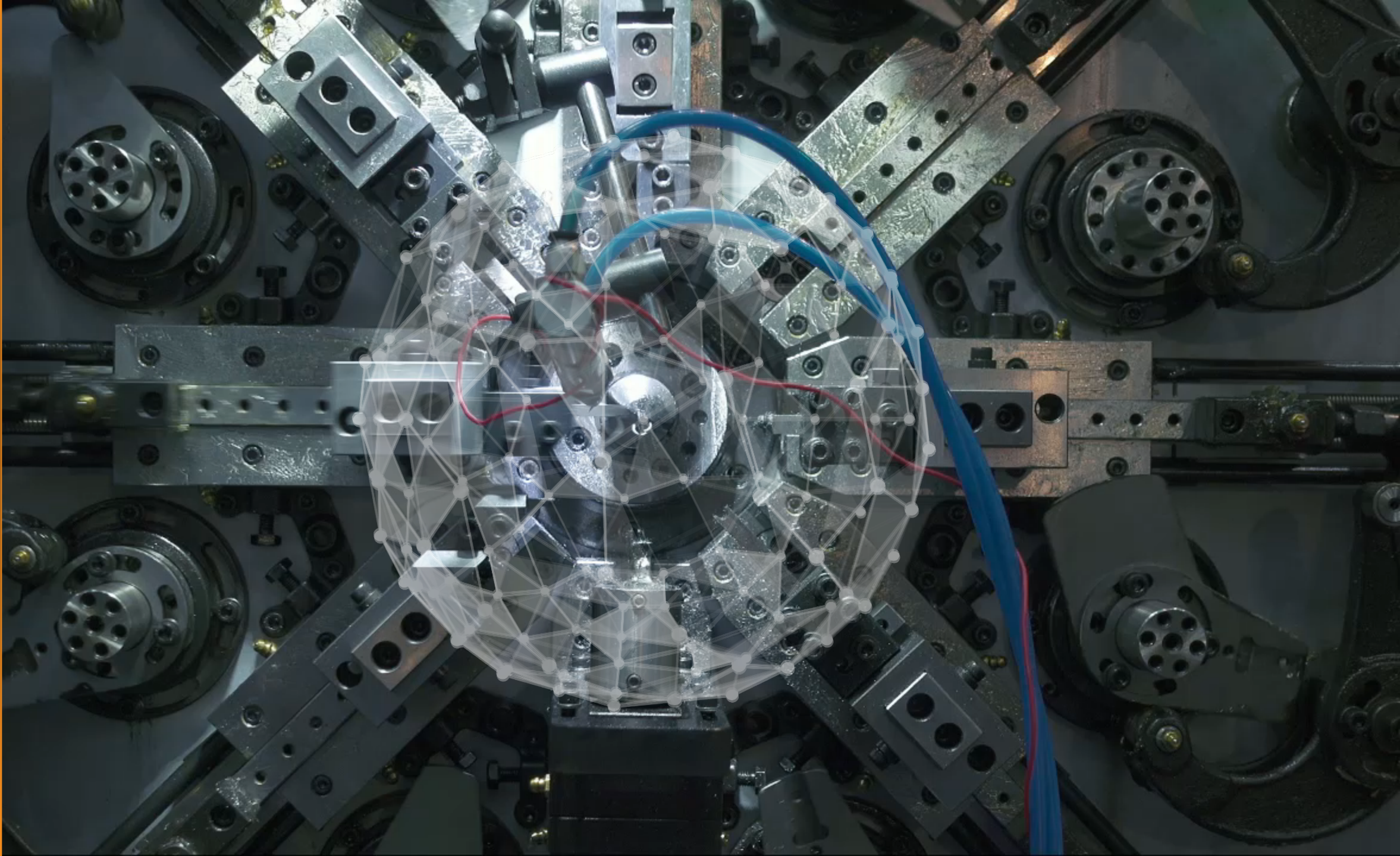
Gartner Cool Vendor in Intelligent Supply Chain Execution Technologies 2018.
Top10 GDPR Solution Provider 2019.

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AGENDA.

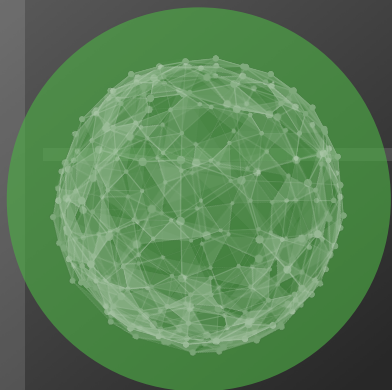
- 1. GARTNER DIGITAL MATURITY:**
The 5 Stages to success
- 2. WE NEED FAIR DATA:**
The problem with data silo execution
- 3. BUSINESS DIGITAL TWIN:**
Digitizing the 4 P of enterprises
- 4. ACCELERATING DIGITAL MATURITY:**
The role of a business digital twin along the 5 stages



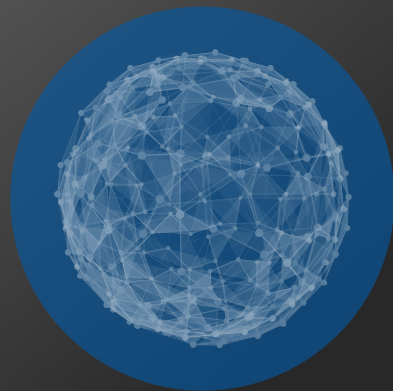
OUTSIDE
IN

FOCUS

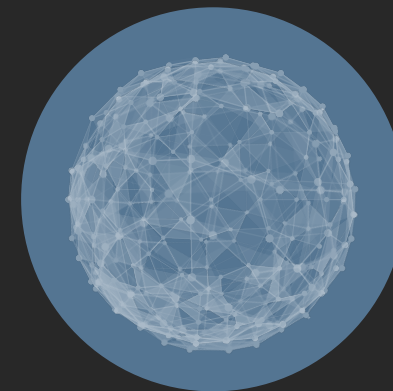
INSIDE
OUT



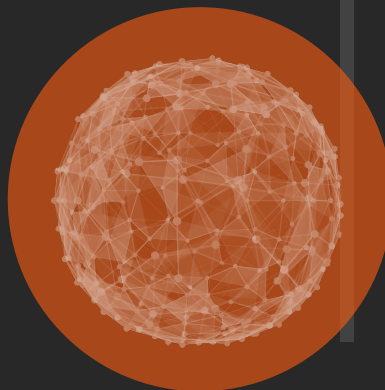
STAGE 3
Integrated
value chain



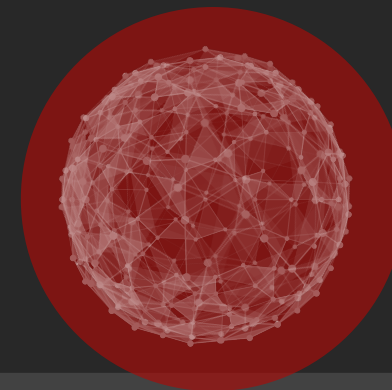
STAGE 4
Demand driven value
network



STAGE 5
Business Ecosystem



STAGE 2
Scaling functions



STAGE 1
Siloed execution

COST

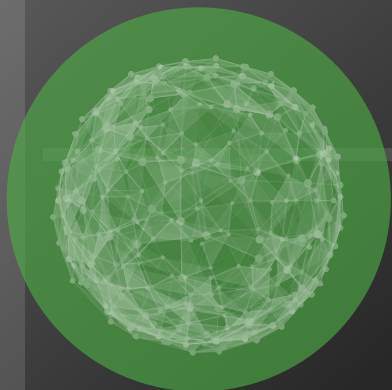
REVENUE

TARGET

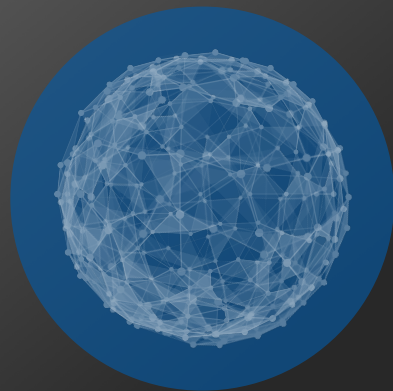
OUTSIDE
IN

FOCUS

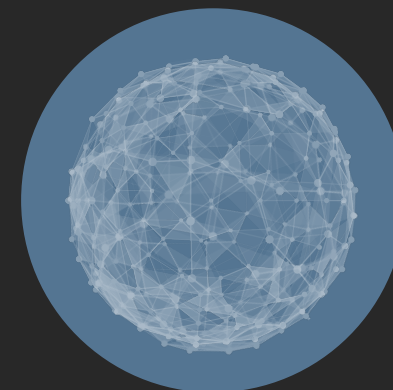
INSIDE
OUT



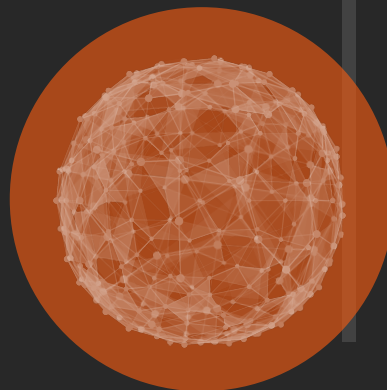
STAGE 3
Integrated
value chain



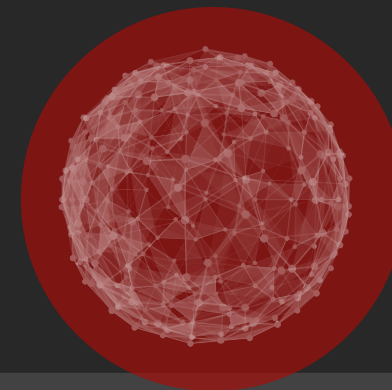
STAGE 4
Demand driven value
network



STAGE 5
Business Ecosystem



STAGE 2
Scaling functions



STAGE 1
Siloed execution

COST

TARGET

REVENUE

The Hard Stop for Digital Transformation



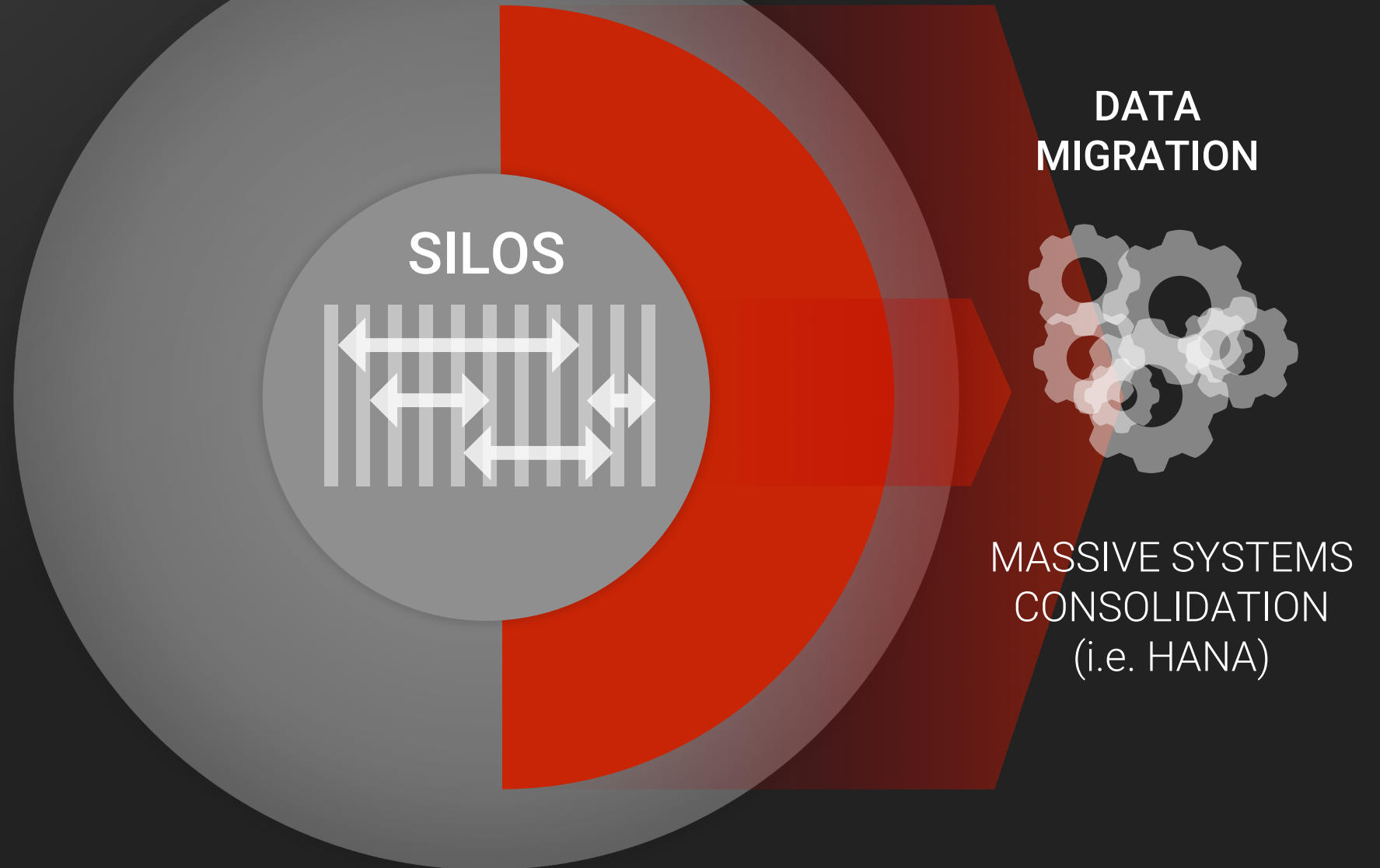
Silos don't make data FAIR



Footnote:

Also refer to Data on the Web Best Practices: Data Quality Vocabulary - <https://www.w3.org/TR/vocab-dqv/>

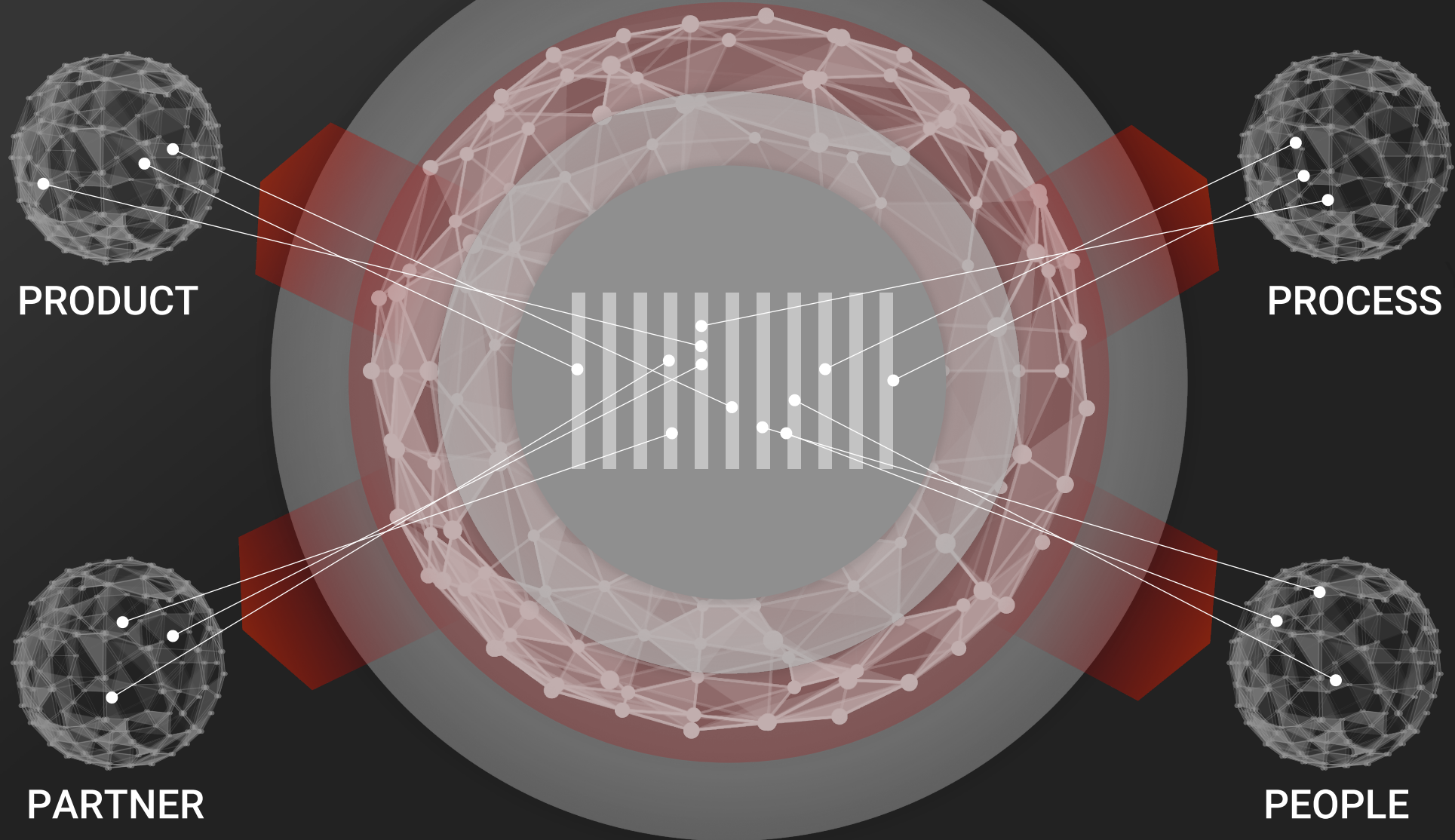
Digital Transformation - Options today:



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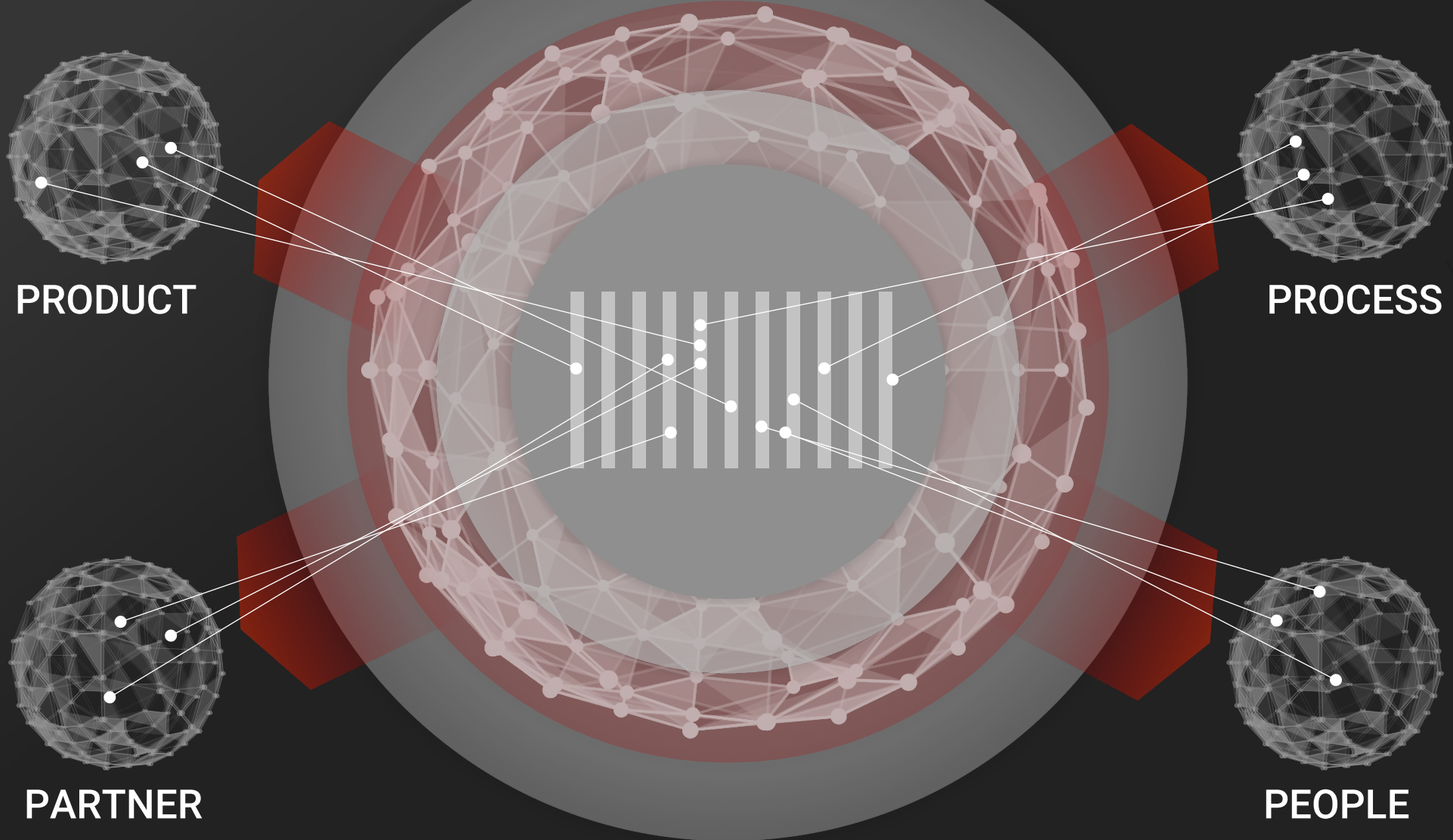


WHAT IS A BUSINESS DIGITAL TWIN?



Footnote:
Refer to Gartner: Digital planning requires a digital supply chain twin ID:G00375403

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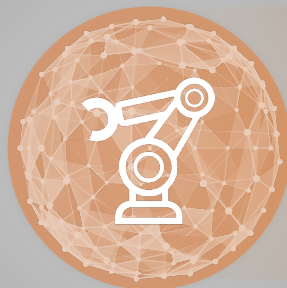


**ACCELERATING
GARTNER
DIGITAL
MATURITY**

Stage 1

DIGITAL TWINS OF PRODUCTS

Build
DIGITAL TWINS
of products with
the primary
objective to
optimize
COST.



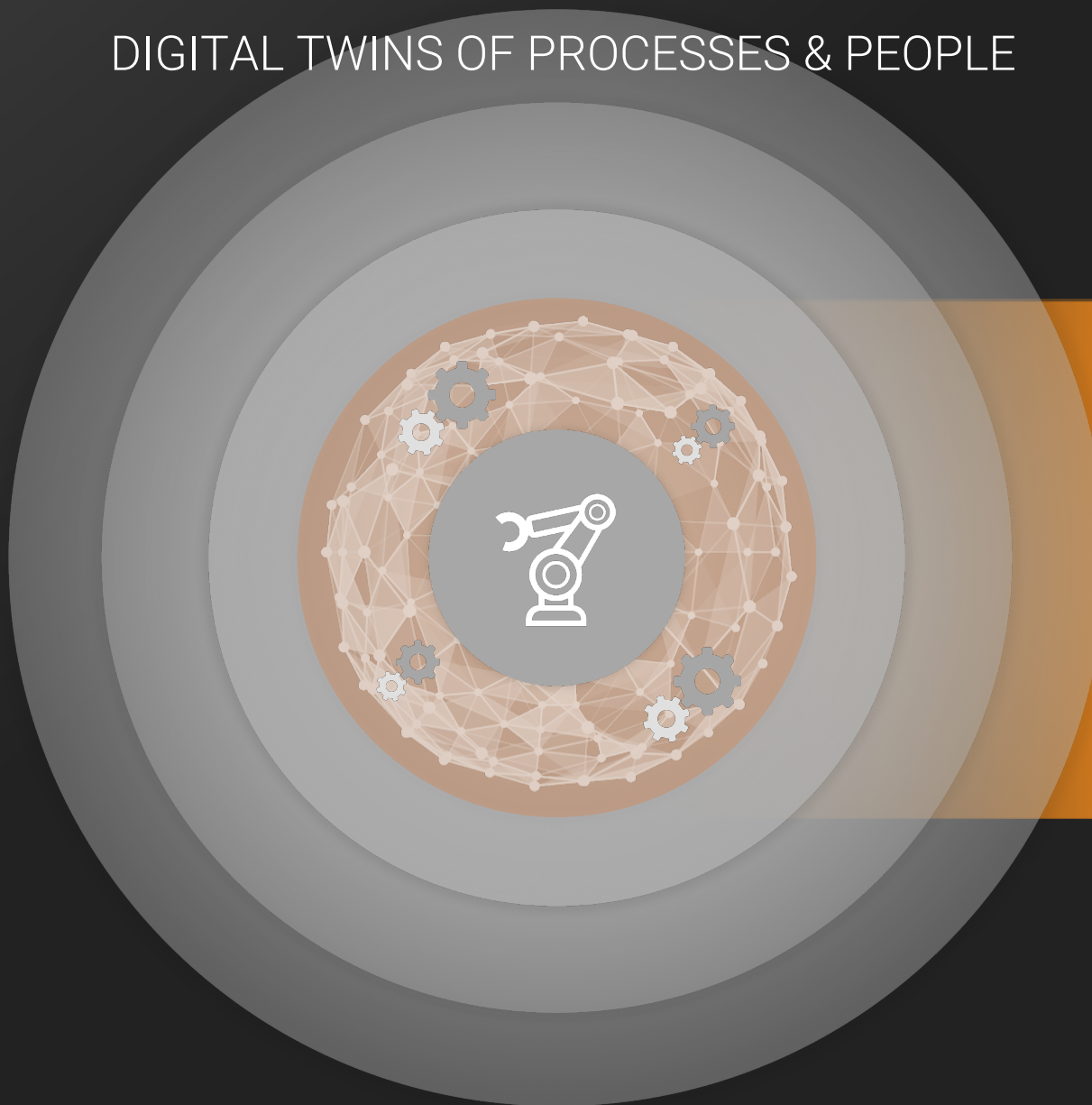
OPTIMIZE
COST



Stage 2

DIGITAL TWINS OF PROCESSES & PEOPLE

Build
DIGITAL TWINS
of processes
with the primary
objective to
optimize
EFFICIENCY.



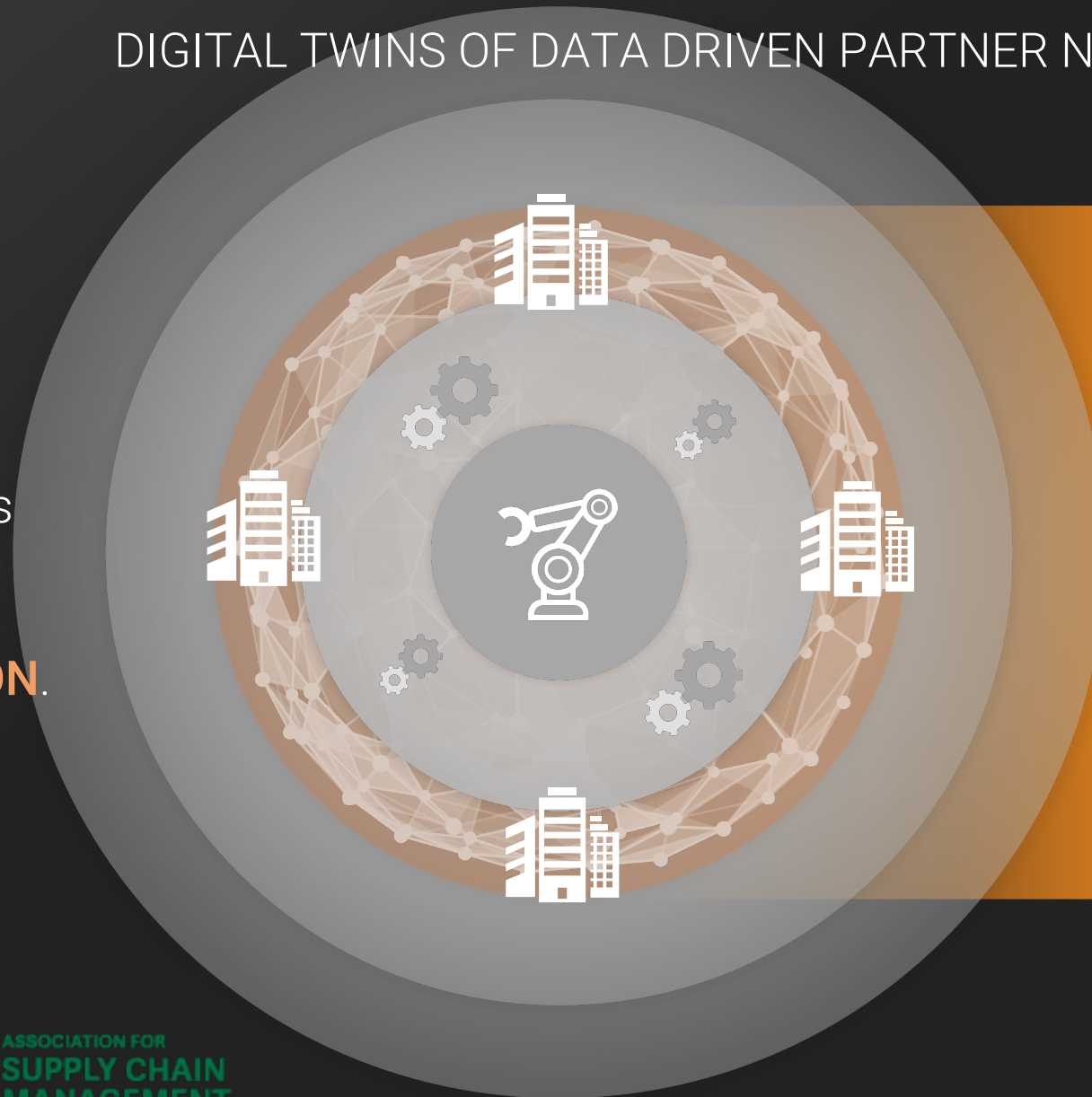
**OPTIMIZE
EFFICIENCY**



Stage 3

DIGITAL TWINS OF DATA DRIVEN PARTNER NETWORKS

Build
DIGITAL TWINS
of data driven
partner networks
to foster
external
COLLABORATION.



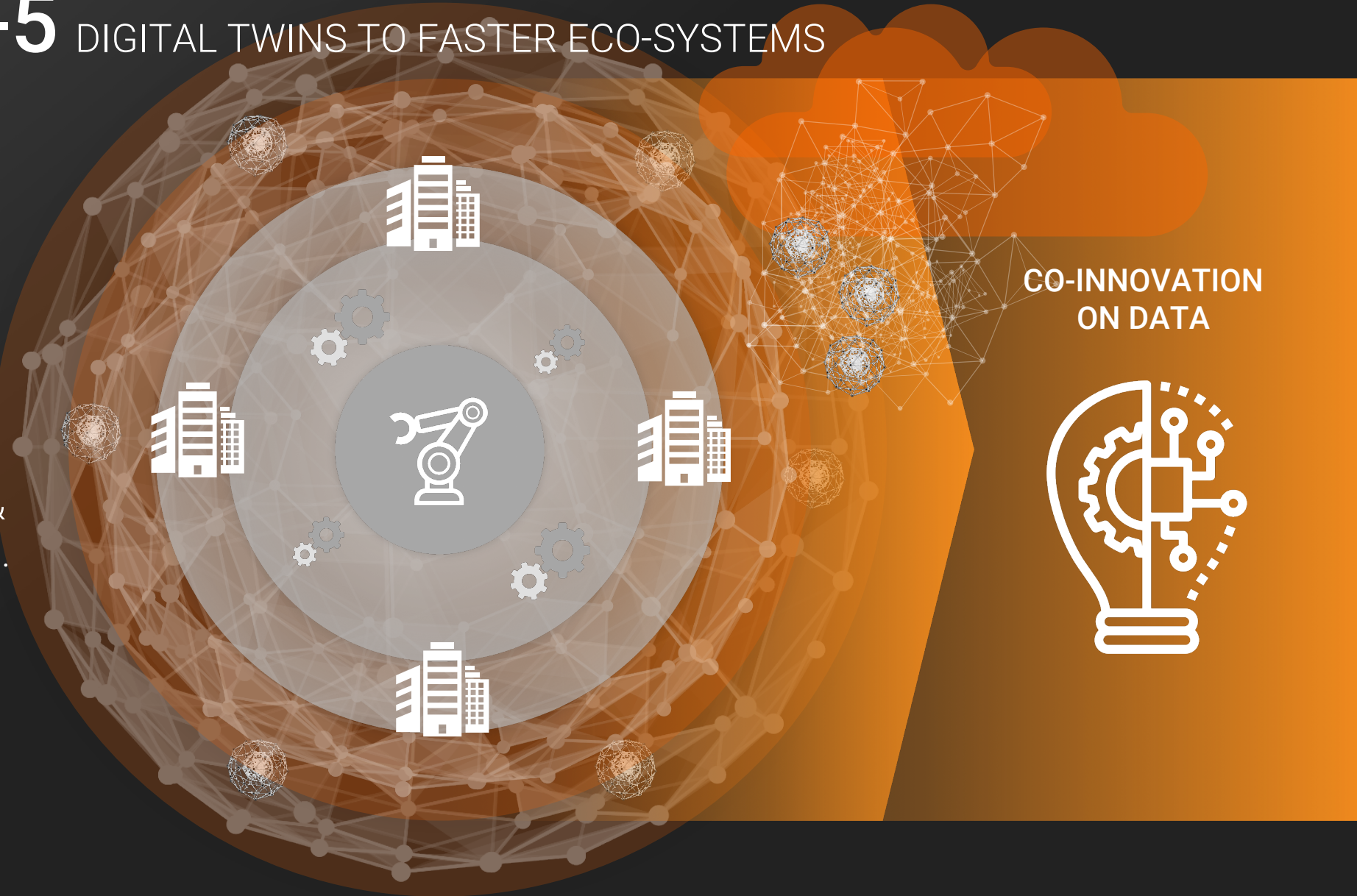
EXTERNAL
COLLABORATION



Stage 4-5

DIGITAL TWINS TO FASTER ECO-SYSTEMS

Leverage
DIGITAL TWINS
to foster eco-
systems to
facilitate **RISK
MANAGEMENT** &
CO-INNOVATION.



eccenca @ SEMANTiCS.

Booth

Visit us at booth.

TALKS

Tuesday

- Product Presentation: 10:30 am | Session 1.6
- Knowledge Graphs for GDPR Management: 10:30 am | Session 1.5

Wednesday

- Knowledge Graphs for Smart Supply Chains: 11:45 am, Session 5.1
- Knowledge Graph driven Business Digital Twins: 3 pm, Session 6.1
- Knowledge Graphs for Smart Textile Innovation: 3 pm, Session 6.3

Thank you.



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