

The Digital Supply Chain

powered by AXIT – A Siemens Company

The Internet of Supply Chain - Digitalization and Collaboration.

The Internet of Supply Chains – Digitalization and Collaboration

- Digitalization and Collaboration
- The Collaboration Platform and Digital Supply Chain
- The Potential and the Drawbacks



SPPAL – a reliable and strong international partner with profound experience in the logistics arena



A COMPANY OF THE SIEMENS GROUP



Headquartered in
Konstanz,
Germany

COMPREHENSIVE PRODUCT PORTFOLIO



Airport Logistics products & solutions



Courier Express Parcel products & solutions



Mail Solutions



IT Solutions



Customer Service

WELL-ESTABLISHED REGIONAL SETUP



14 regional entities

ENTREPRENEURIAL THINKING AND INNOVATION LEAD



> 400

Living patent
families

INTERNATIONAL NETWORK OF EXPERTS



> 3000 Employees

What is a Digital Supply Chain?

Digitization vs. digitalization

digiTlZation

Conversion of analog information in any form (text, photographs, voice, etc.) to digital form with suitable electronic devices (such as a scanner or specialized computer chips) so that the information can be processed, stored, and transmitted through digital circuits, equipment, and networks.

Business Dictionary

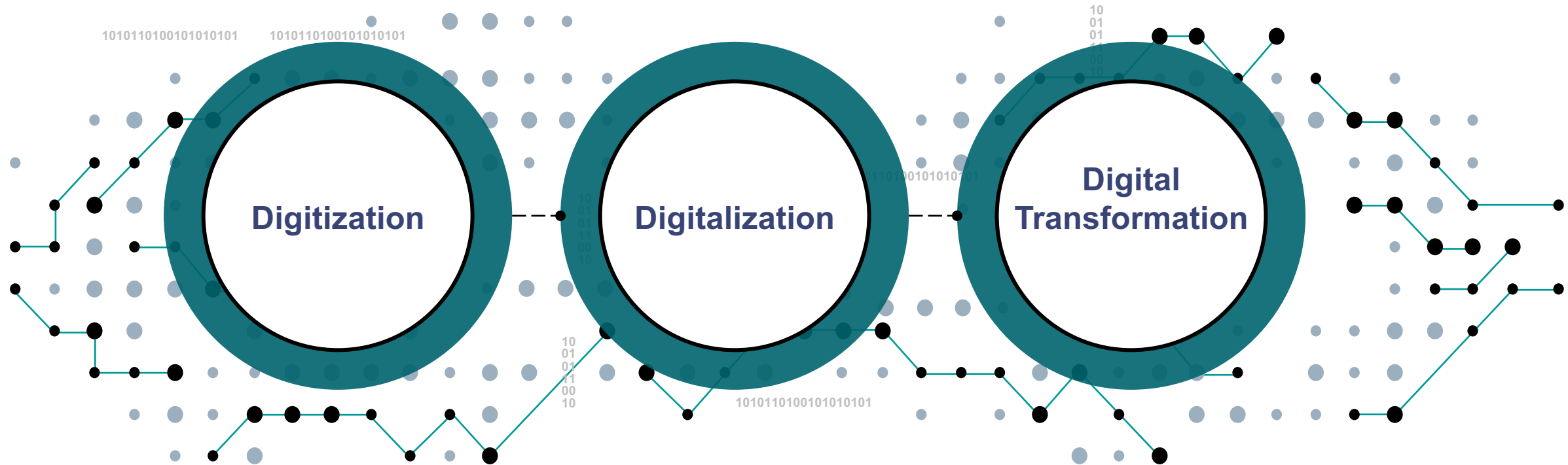
digitaLIzation

The use of digital technologies to change a business model and provide new revenue and value-producing opportunities; it is the process of moving to a digital business.

Gartner

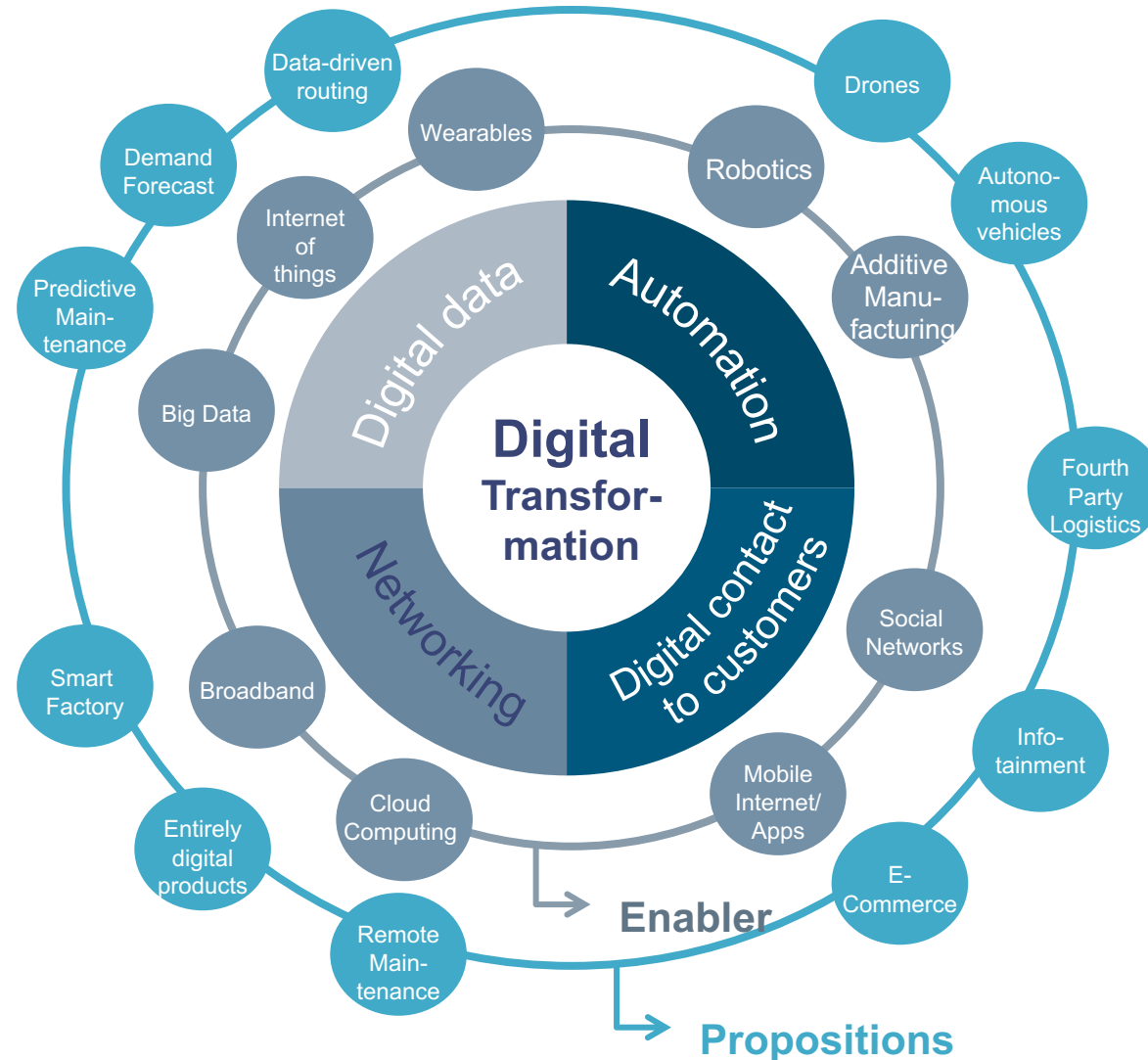
What is a Digital Supply Chain?

Digital Evolution

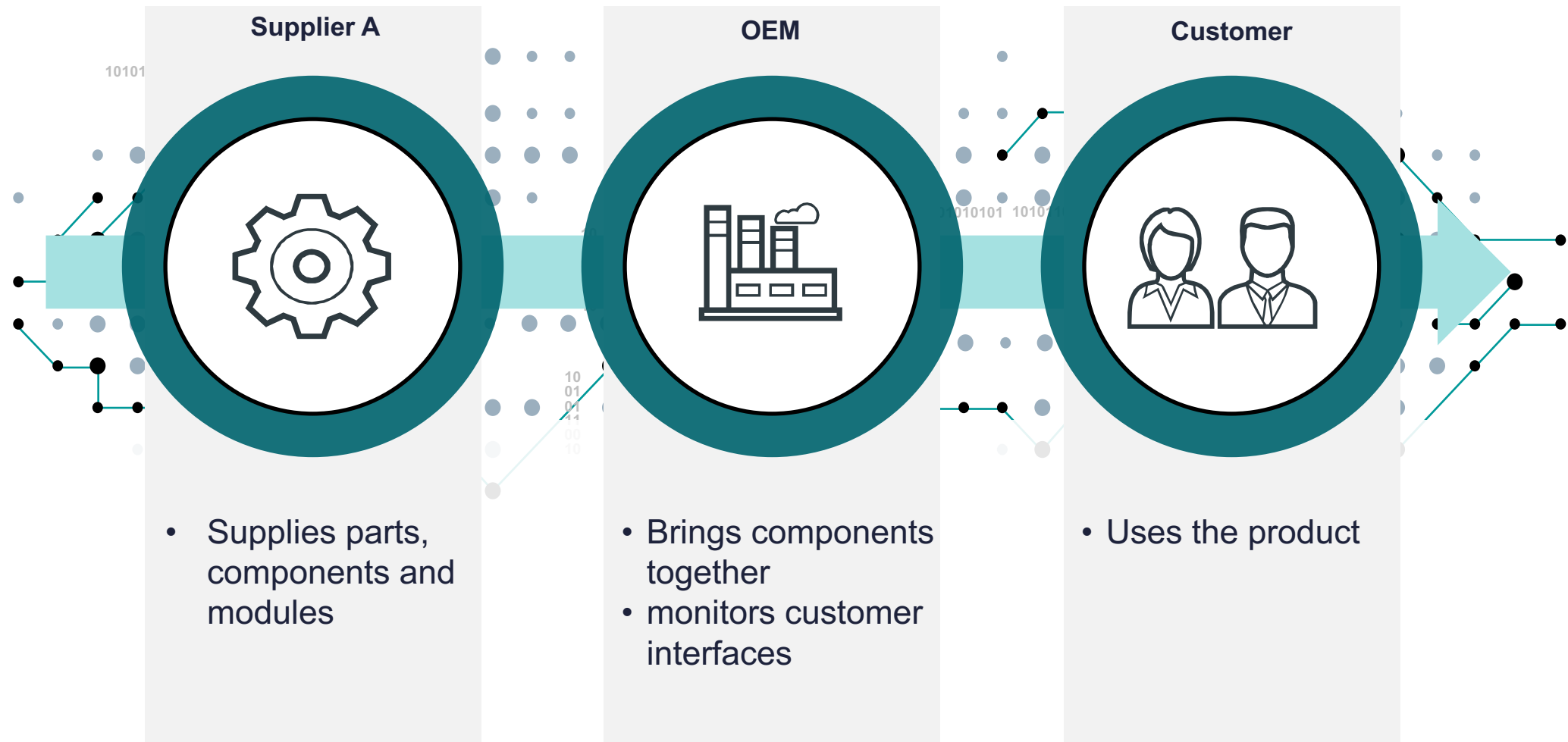


What is a Digital Supply Chain?

Drivers of Digitalization

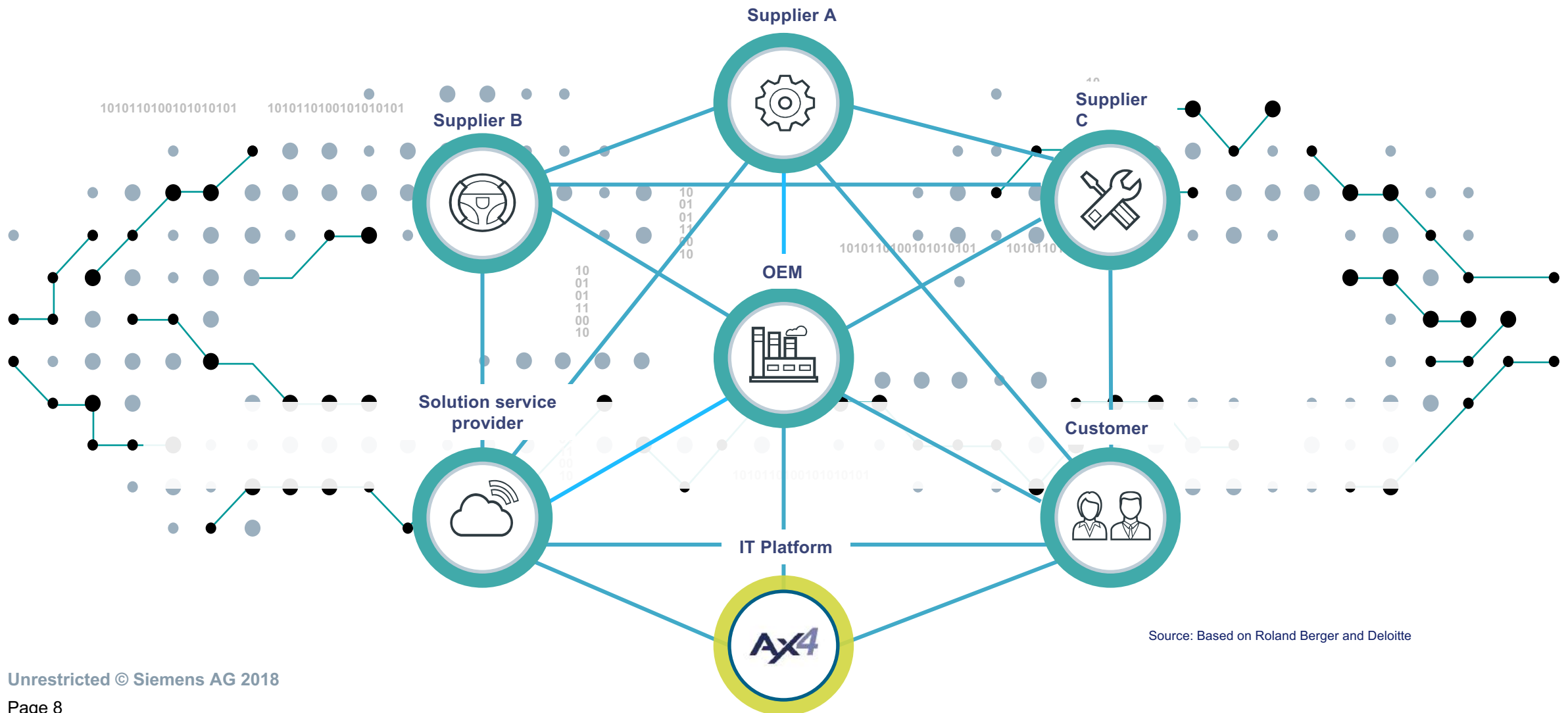


Digital transformation in the automotive industry



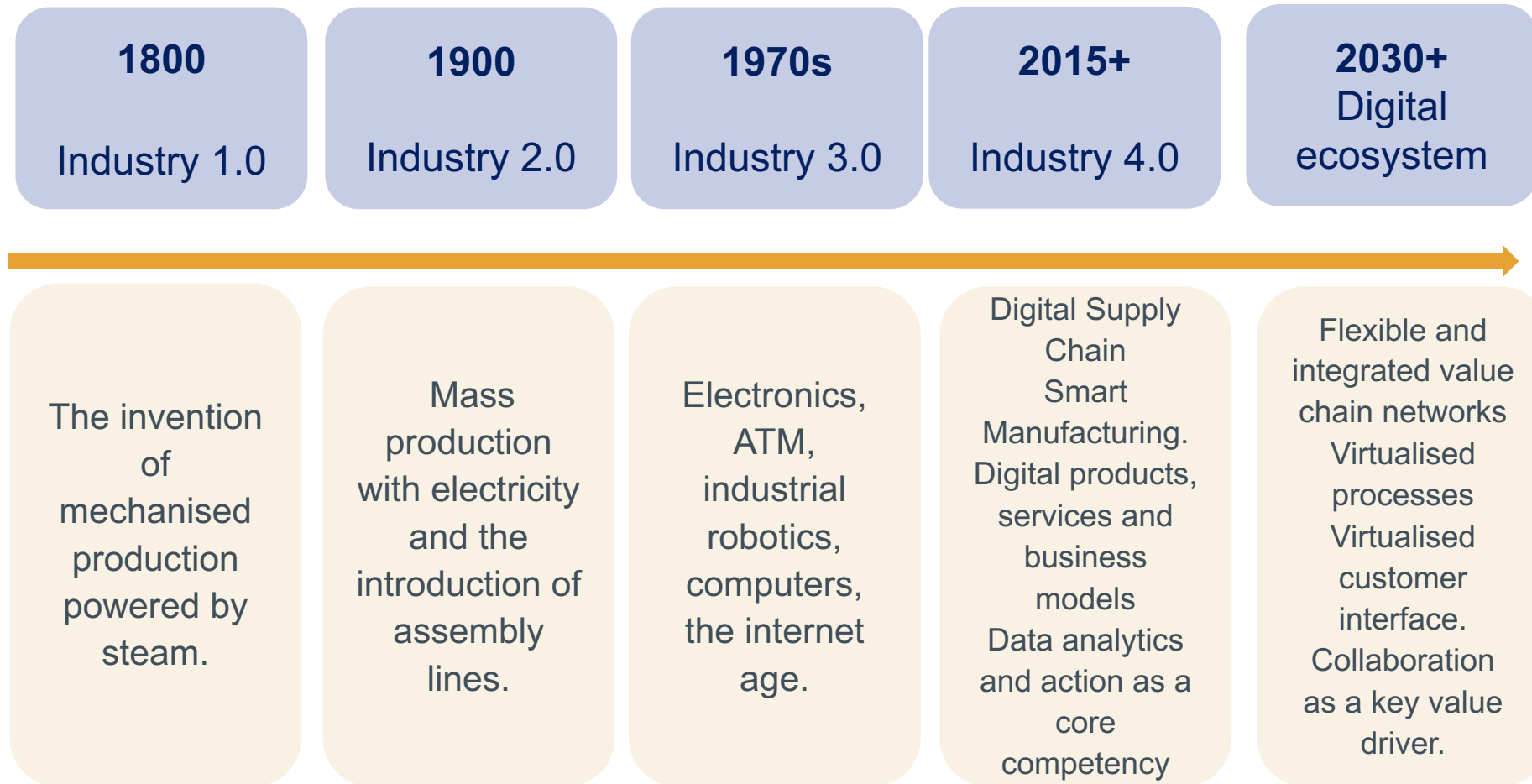
Digital transformation in the automotive industry

...to dynamic value-added supply chain networks

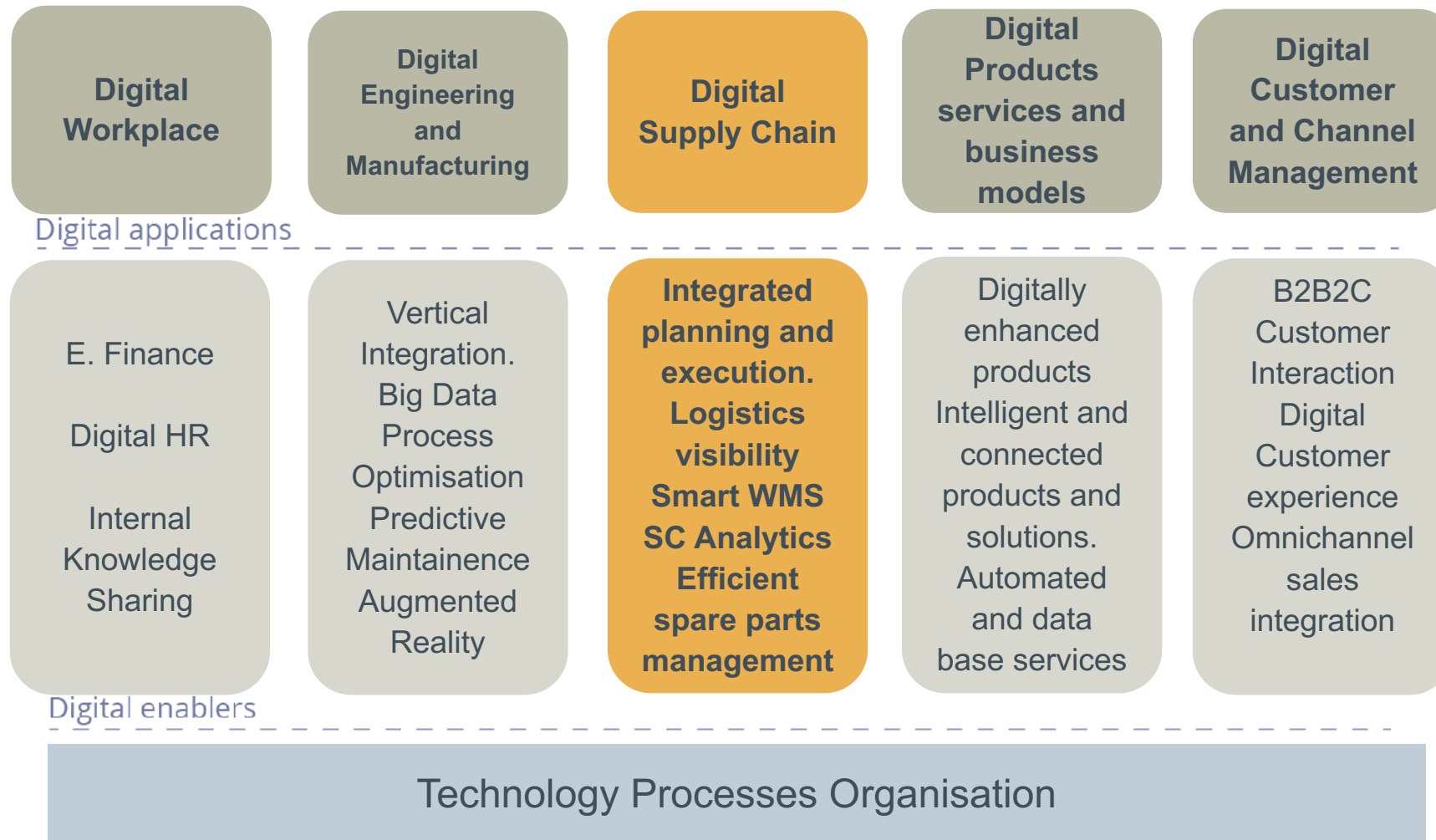


Source: Based on Roland Berger and Deloitte

The Evolution of Digitalization

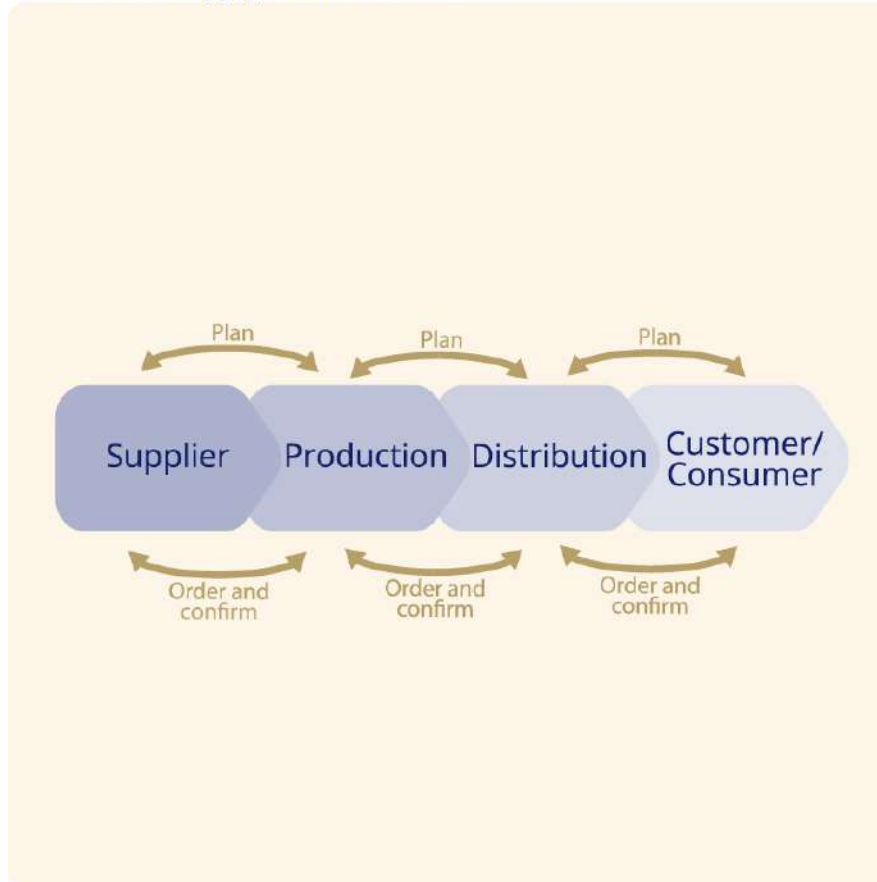


The Digital Supply Chain

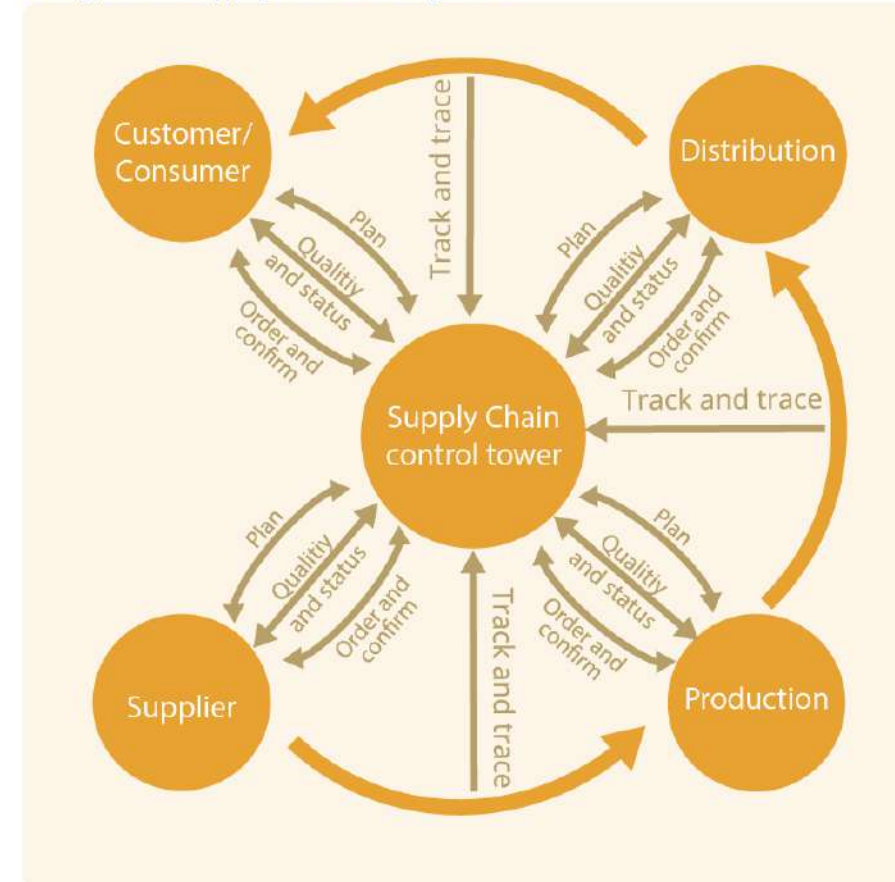


The Digital Supply Chain

Traditional supply chain model



Integrated supply chain ecosystem



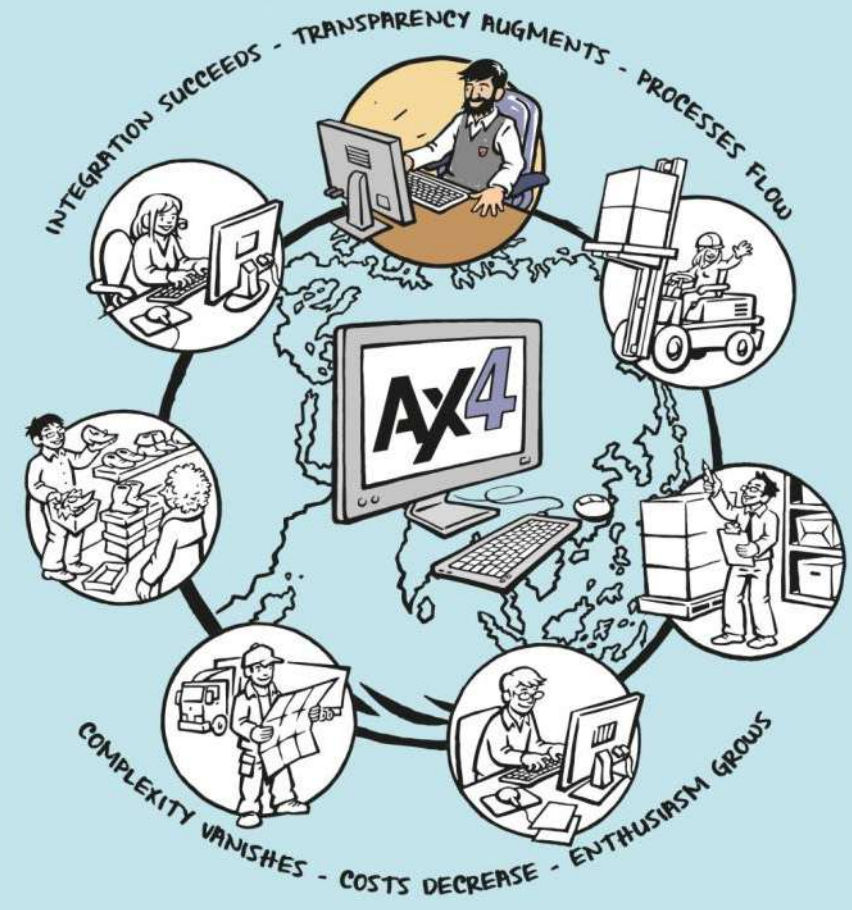
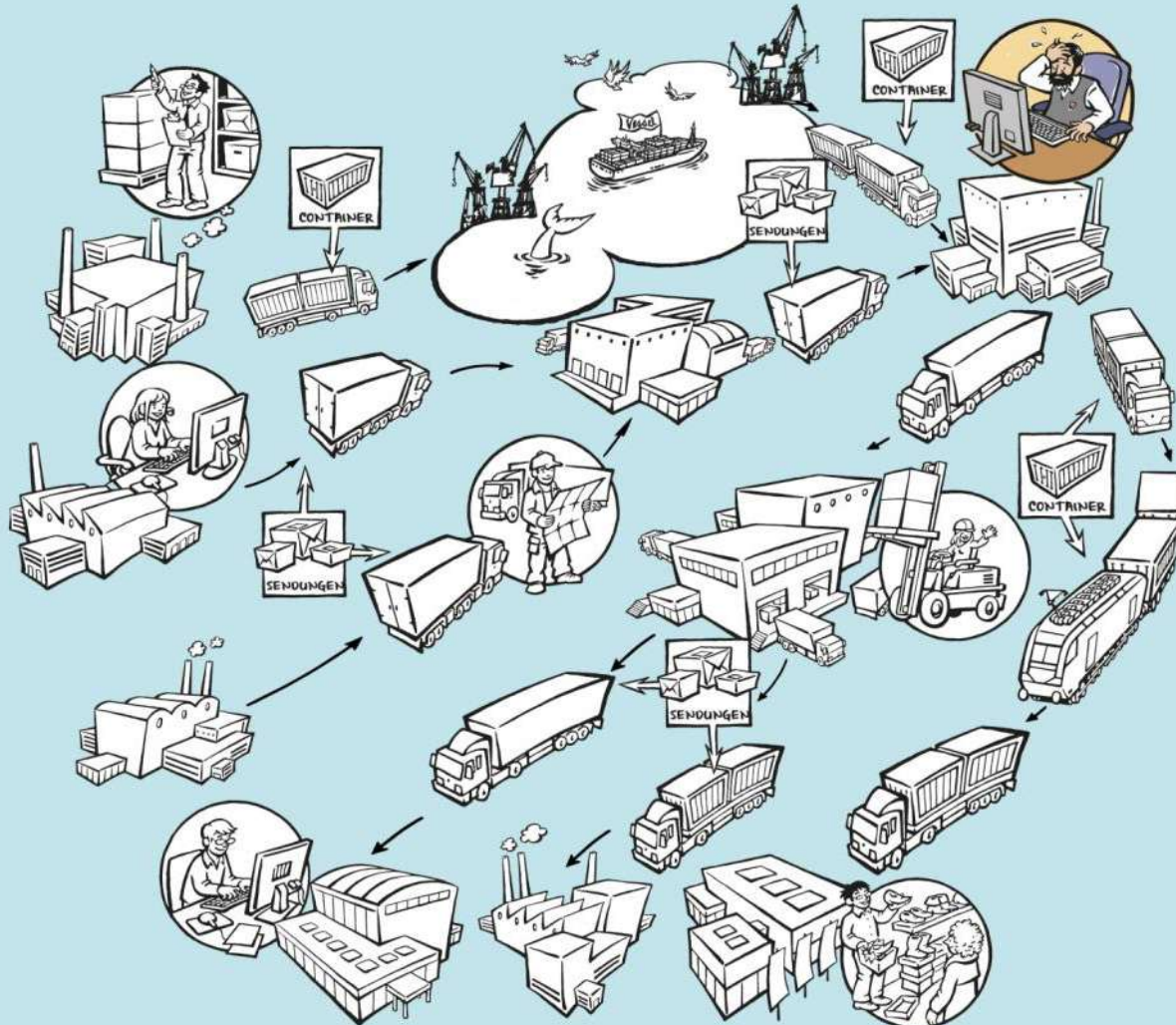


Every day's madness ...

SUPPLY CHAIN MANAGEMENT



... or madly easy



Collaboration in Practice

Collaboration in Practice



AX4 – The Digital Supply Chain



Collaboration in Practice



- Identify purpose
- Gain silo rapprochement
- Digitalise heterogenous systems
- Create improved customer experience

The major challenges of Collaboration and Digitalization



**Collaboration between
business & IT**



**Willingness to
share data**



**Company's
culture**



Fear of change



Convince people to participate



Open your mindset

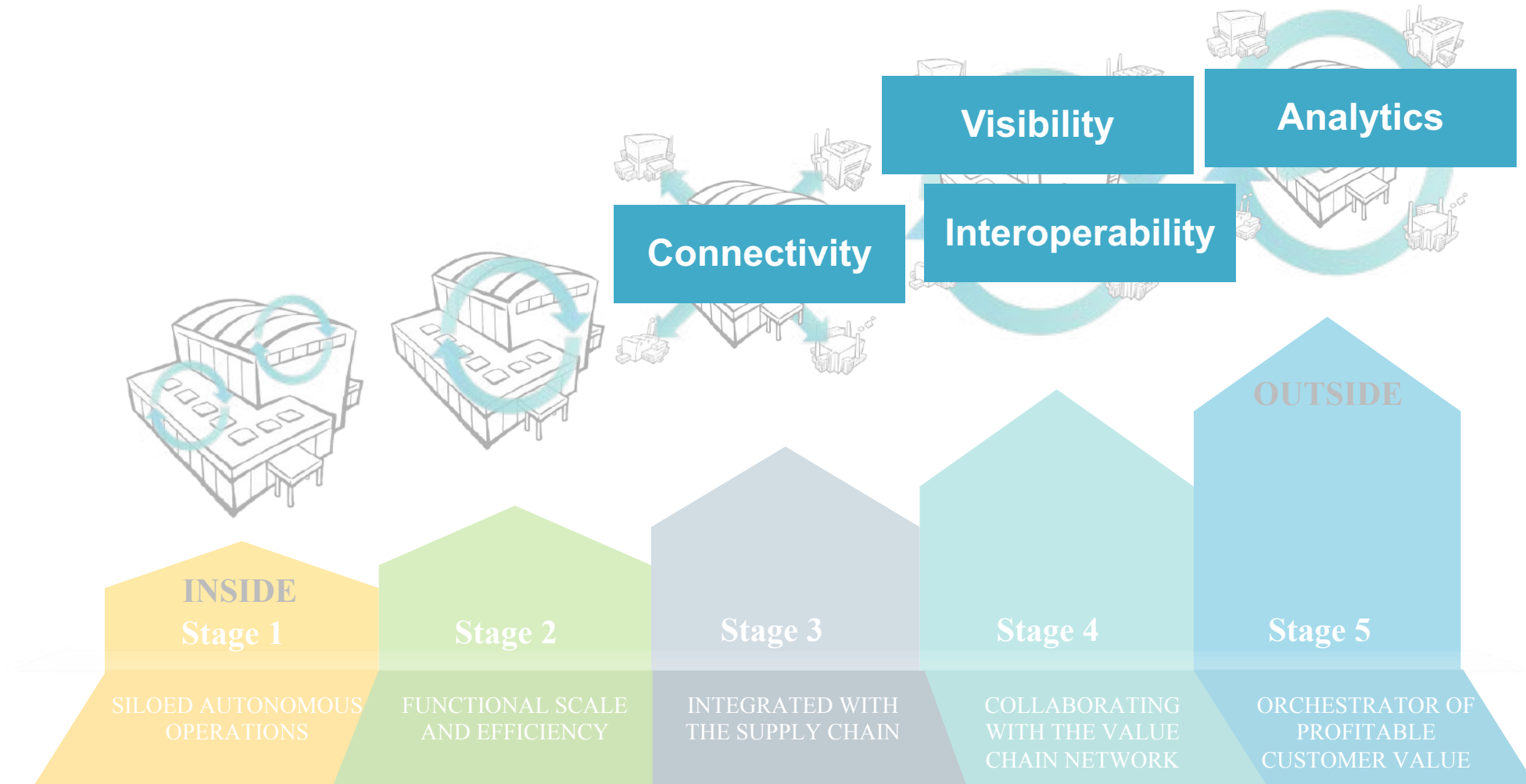


**Wait and see what
others are doing**



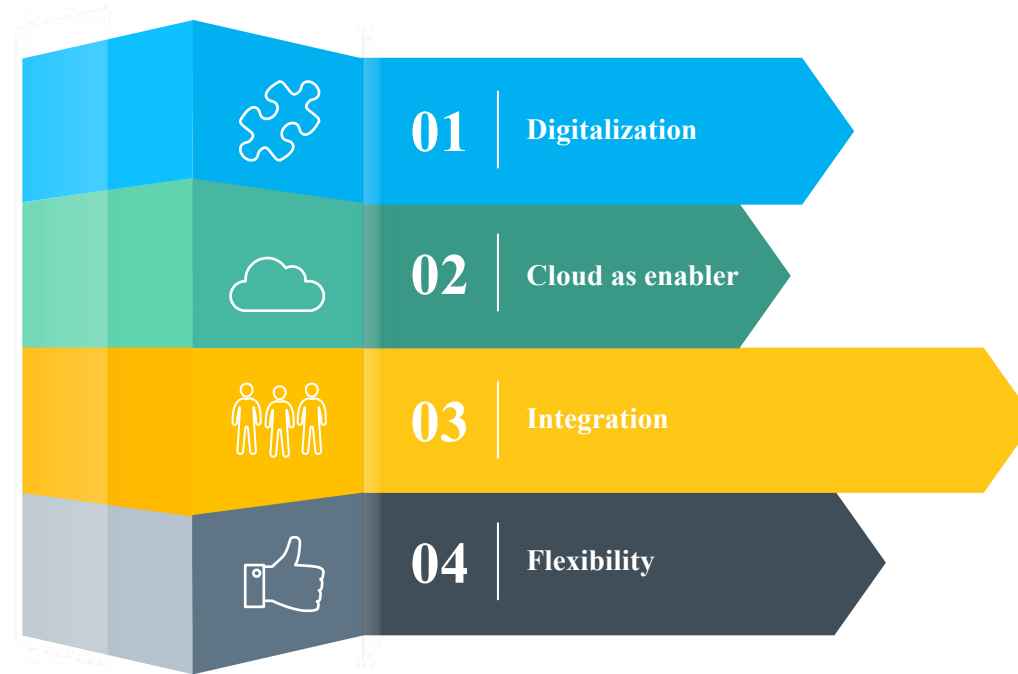
**Lack of
imagination**

The Collaborative Approach



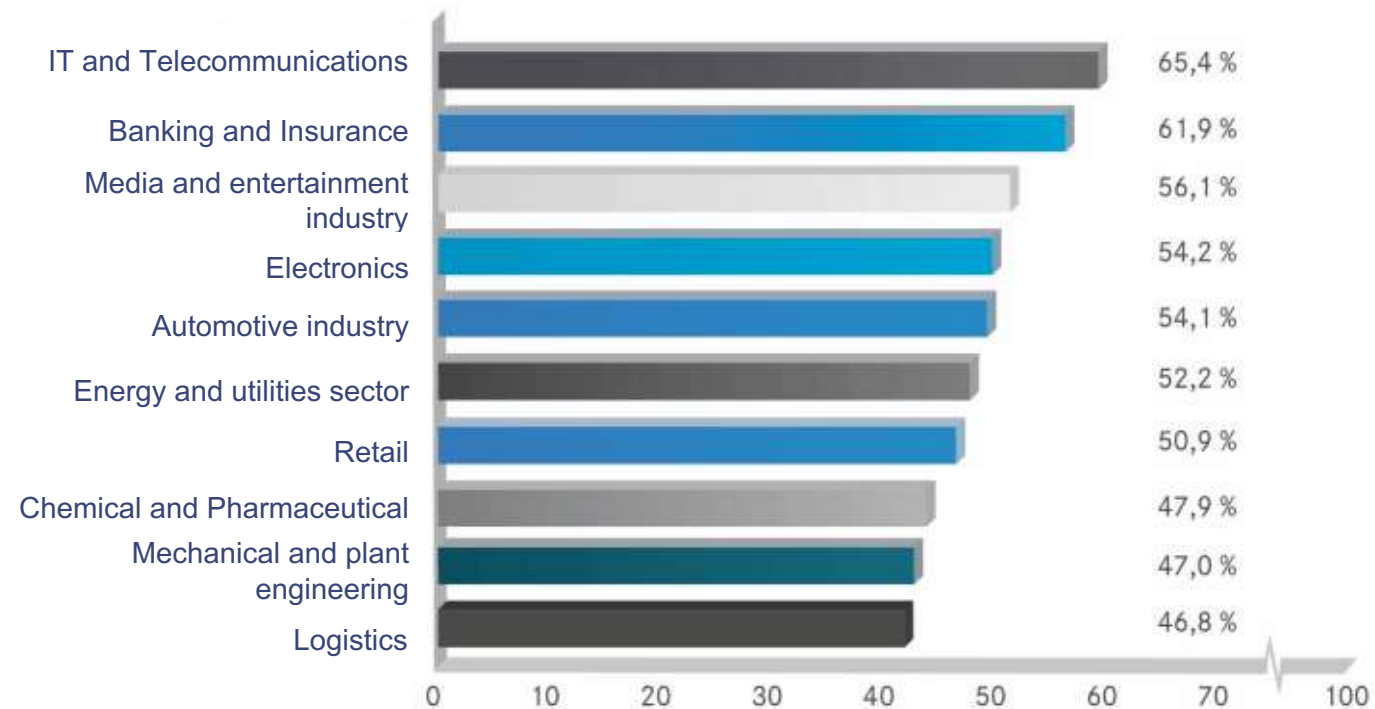
Where to start?

4 steps for implementing a Digital Supply Chain



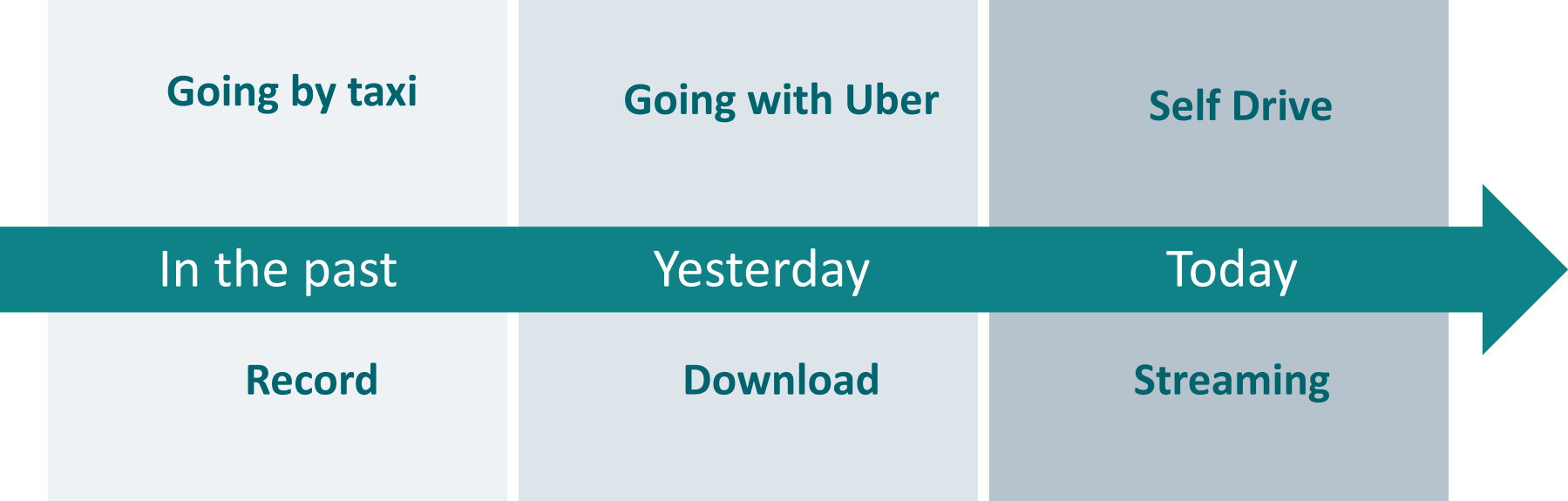
The Leaders and the Laggards?

Digital Process Index comparison between industries



Source: digital intelligence institute (2014-2015)

The Potential and the Drawbacks



Digitalization in Logistics



Descriptive Analytics
(past events)



Diagnostics Analytics
(future events)

Digitalization in Logistics



Internet of Things (IoT)
and Seamless
Supply Chain



Blockchain

Digitalization in Logistics

Intelligent “stevedoring”
Driverless
Intelligent “traffic” systems



Machine Learning

Digitalization in Commerce

Human-machine interaction
Robotics



Driverless transportation systems –
Passenger Pods

Digitalization in Factories

Material flow as a plug & play assembly kit



Intelligent bins or direct to Kanban

In business, hospitals, home.

SIEMENS
Ingenuity for life

3D Printing
Prosthetics



Increased use of apps
(Smart Home, Smart Business)

Wearables, fitness, heart

Lets Go !!!

Except.....

Fear.....

Integrating data requires
trust

Does standardization allow
flexibility ?

Its not broken.

Dealing with
inaccuracy and probability

More barriers

Hacking-External Breach -
Security

Legacy Systems -
Integration

Functionality-
understanding the
processes.

Dealing with
inaccuracy and probability

The greatest barrier

Manana!
or
Doing nothing

Even Greater

SIEMENS
Ingenuity for life

A vintage rotary telephone with a beige body and a gold-colored dial is positioned on the right side of a rustic wooden surface. To its left is an open, lined notebook with a yellow pencil resting on its pages. The telephone's handset is placed on the left side of the notebook. The entire scene is set against a background of weathered wood.

**...or – even worse –
refusing to do something**

Thank you.