

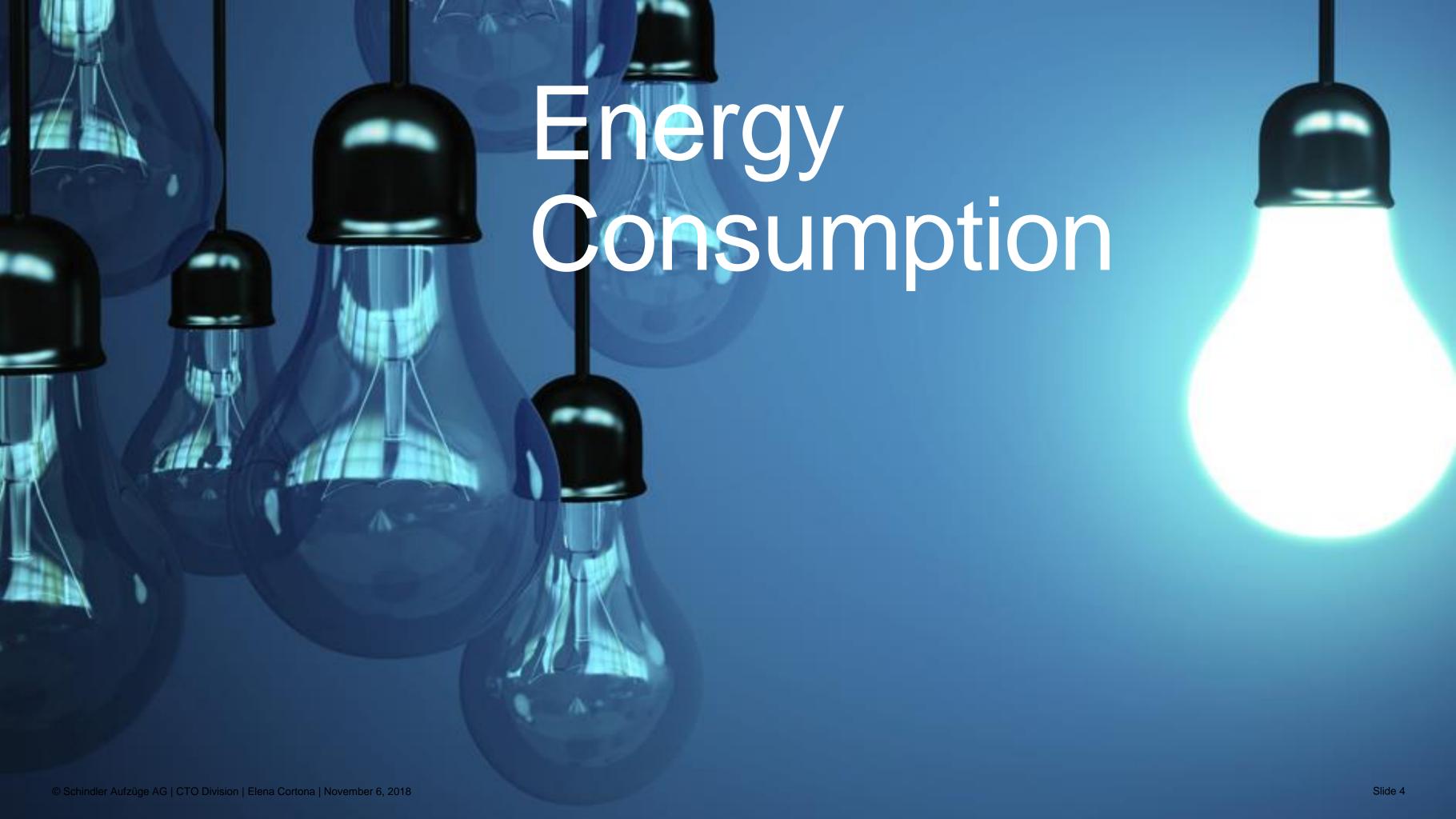
Digitalization and Change Management Dr. Elena Cortona, Head Digital Transformation, Schindler AG

Abend der Wirtschaft, Hochschule Luzern 6.11.2018, Luzern







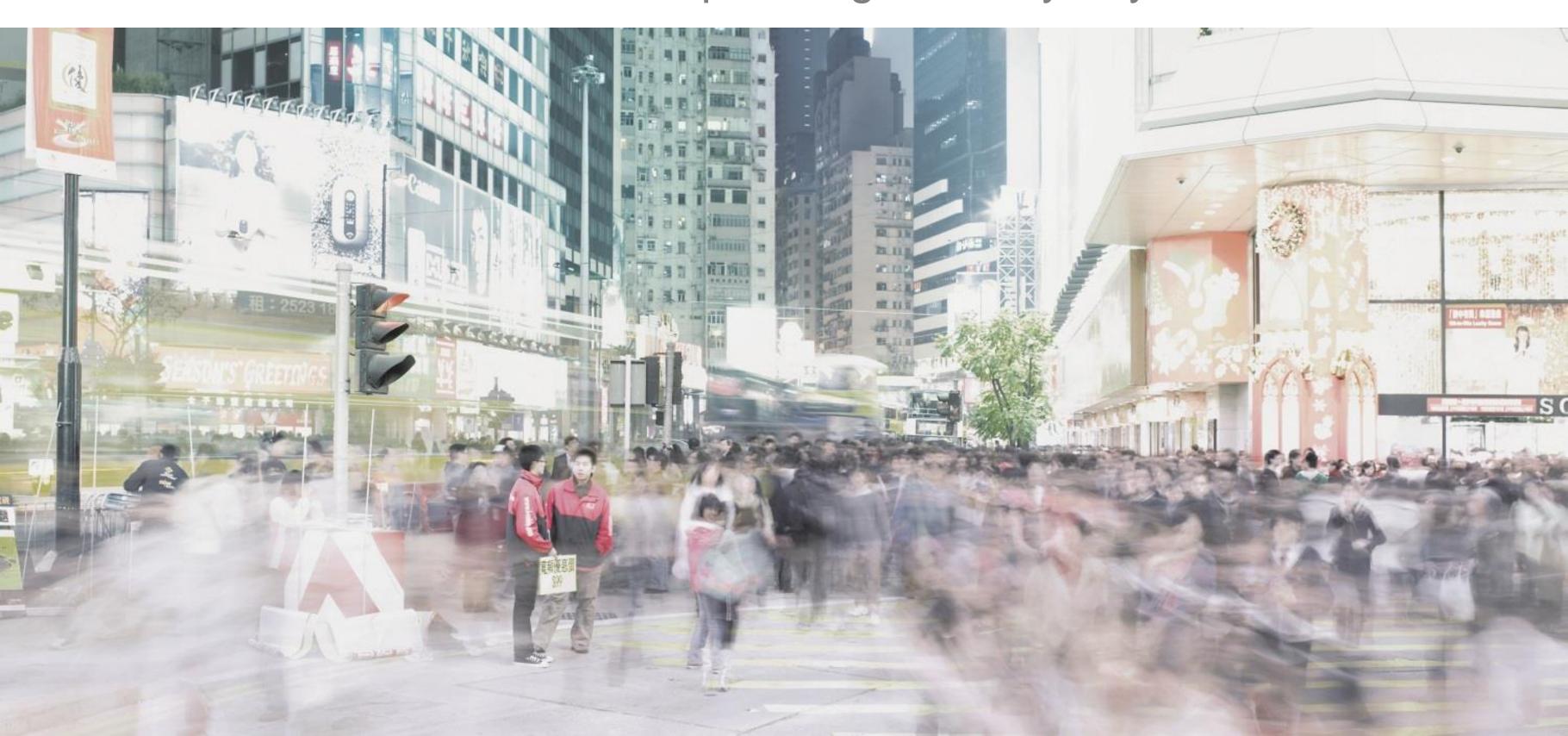


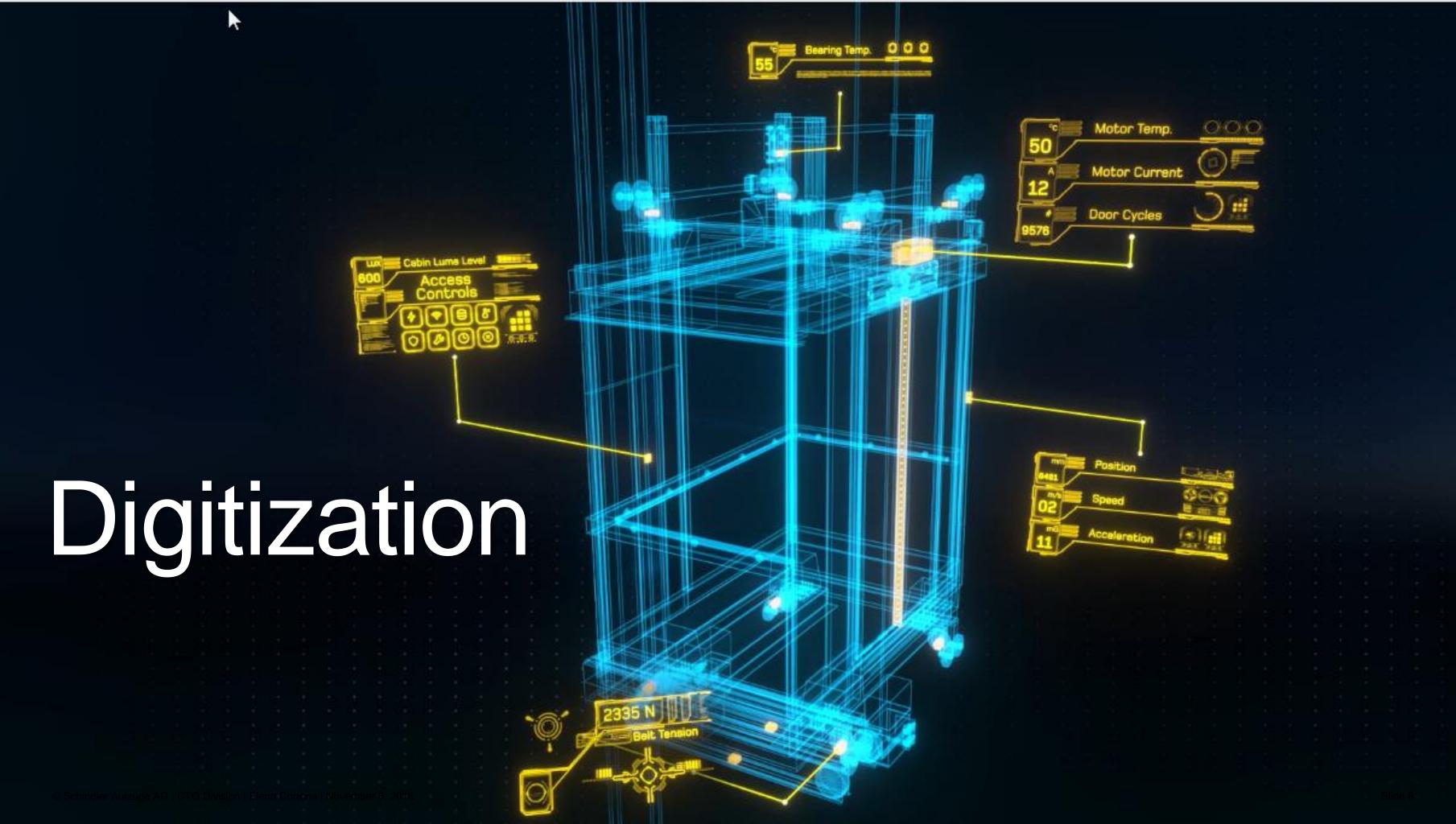




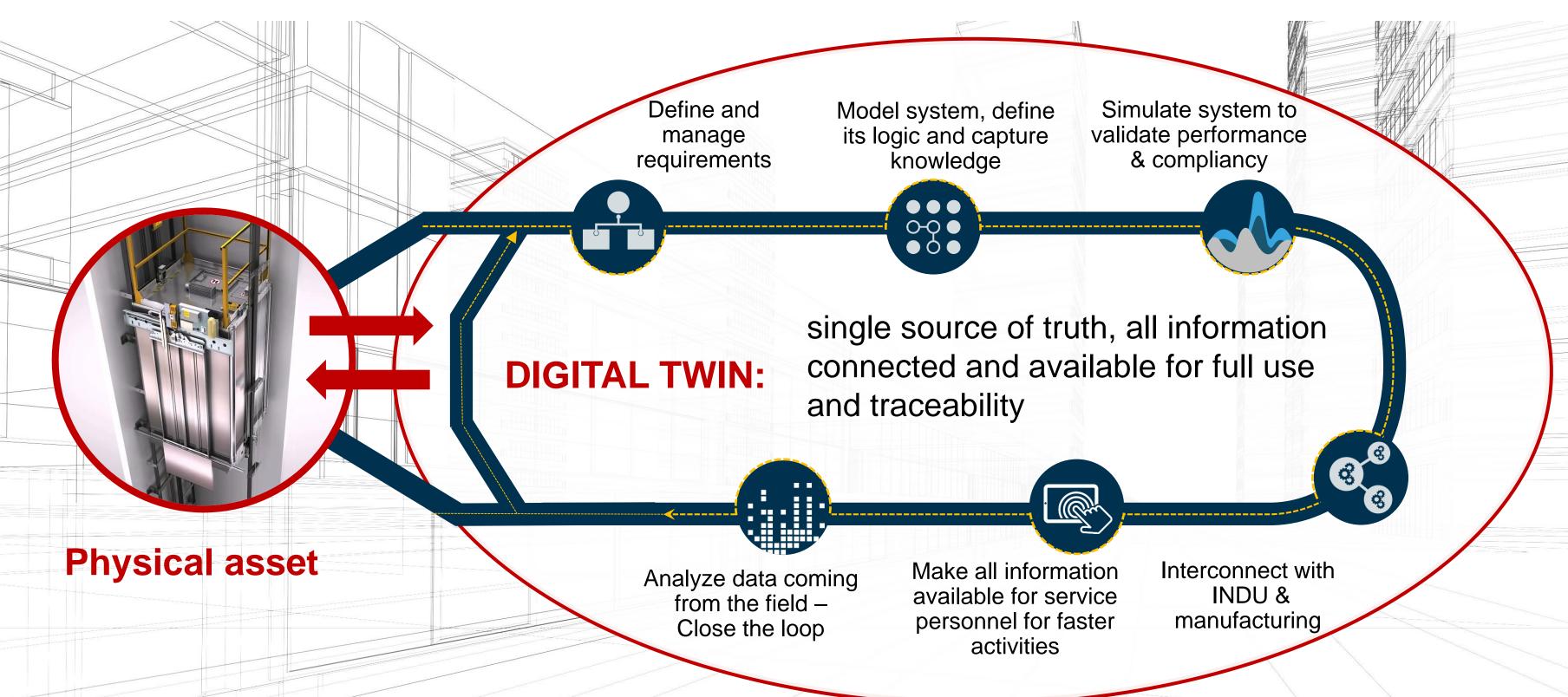
#### Schindler is urban mobility

We move more than one billion passengers every day

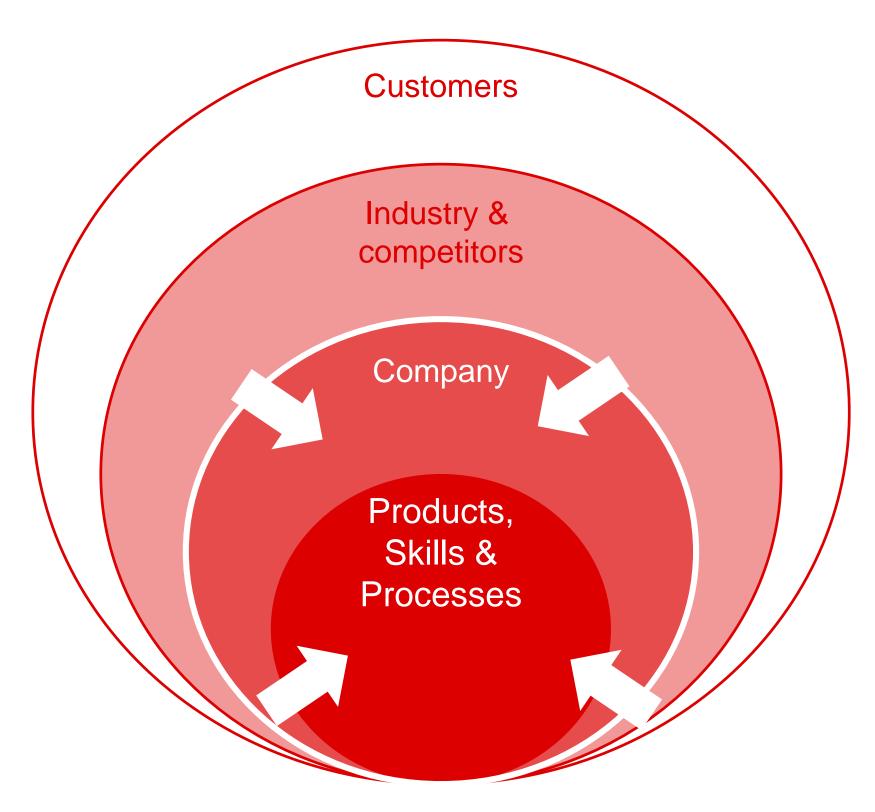




# The DIGITAL TWIN is the summary of all information needed to design, product and operate a physical asset

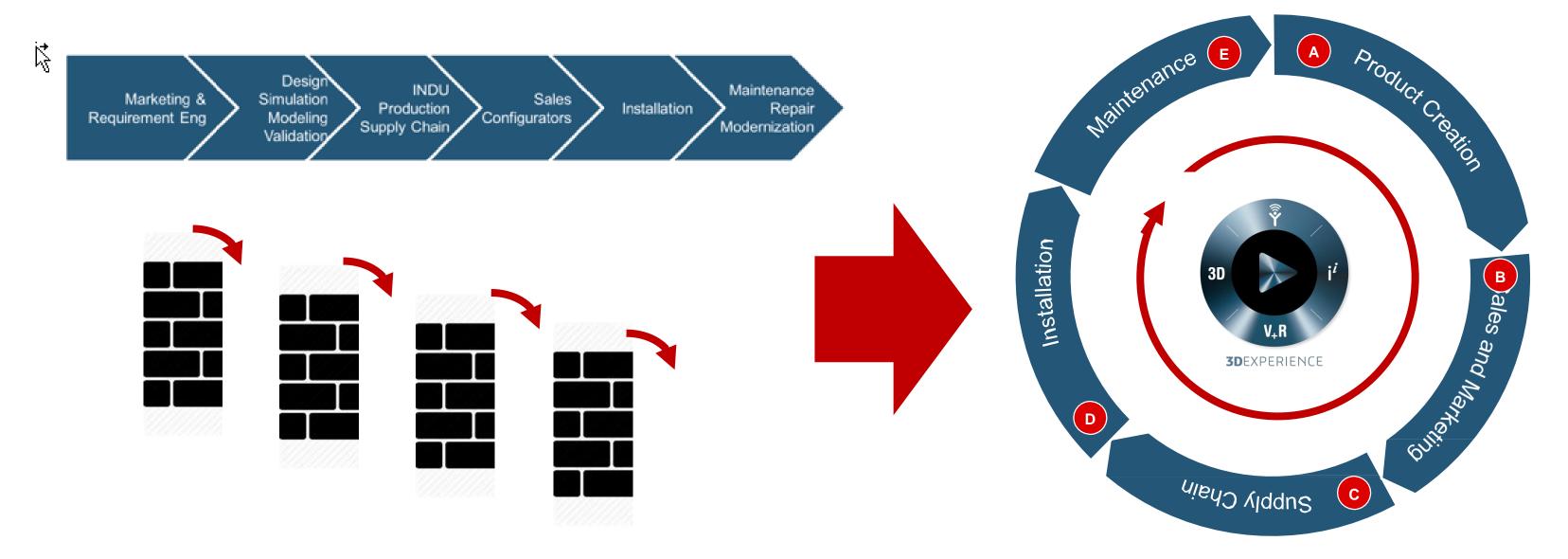


# Impact of Digitization Inside Impact



### Impact of Digitization: Inside Impact

#### Traditional processes and sequences have to be revised

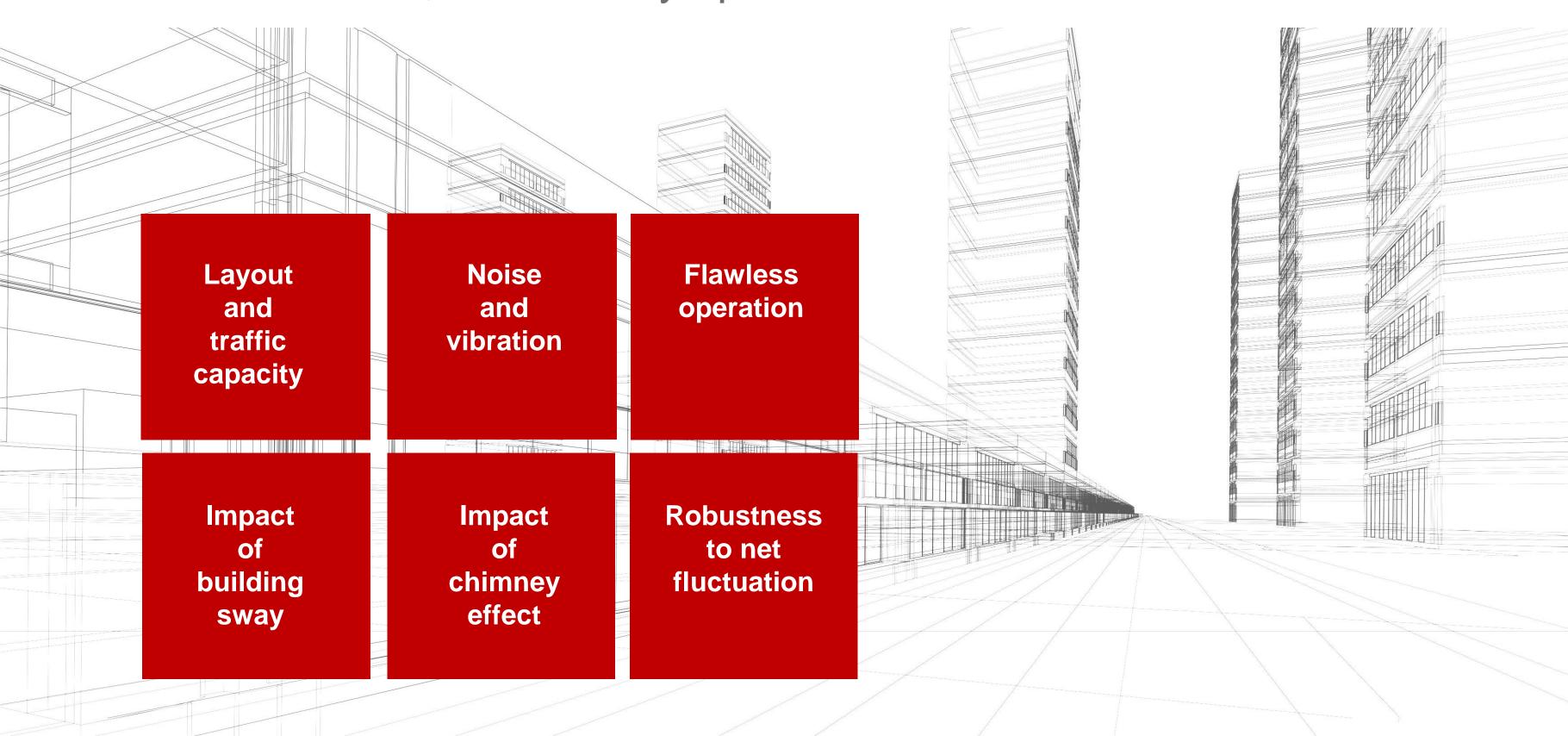


- many manual steps
- different SW environment / data storage
- filtering / loss of information
- organization deals with fragmented / incomplete data

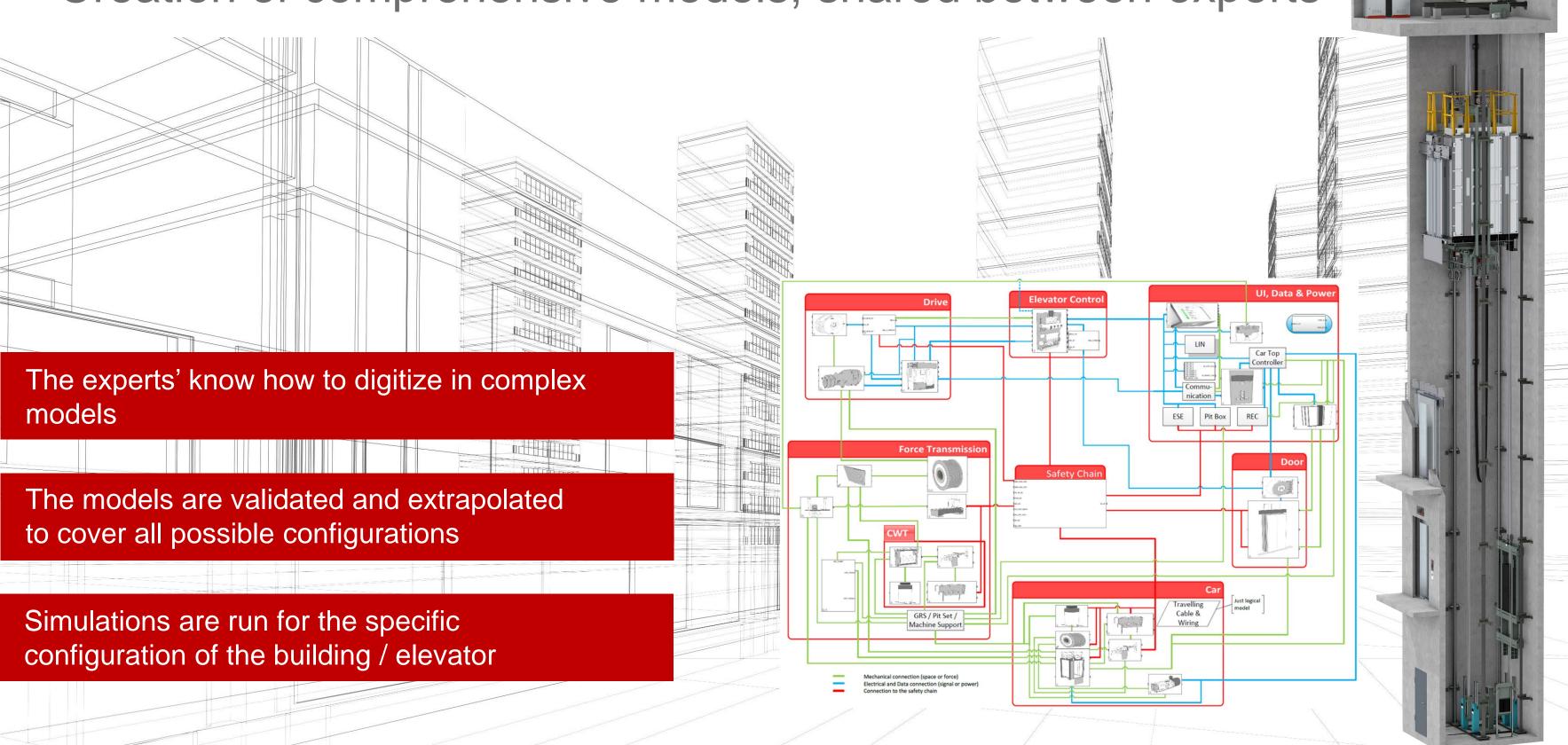
- one source of data
- every step adds information on same skeleton
- one common platform for data sharing
- all parties have access to consistent data

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### Impact of Digitization: Inside Impact R&D Environment, traditionally specialized areas

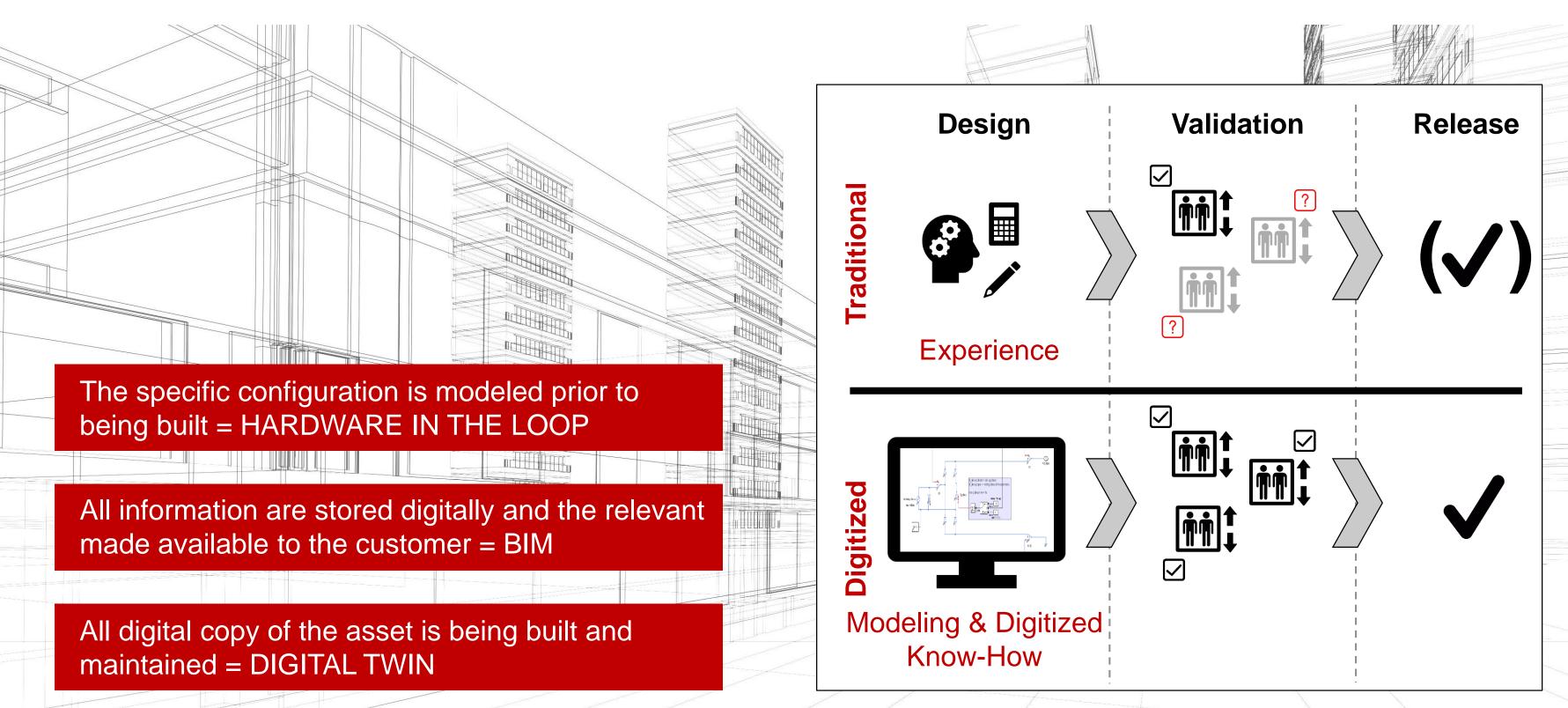


### Impact of Digitization: Inside Impact Creation of comprehensive models, shared between experts

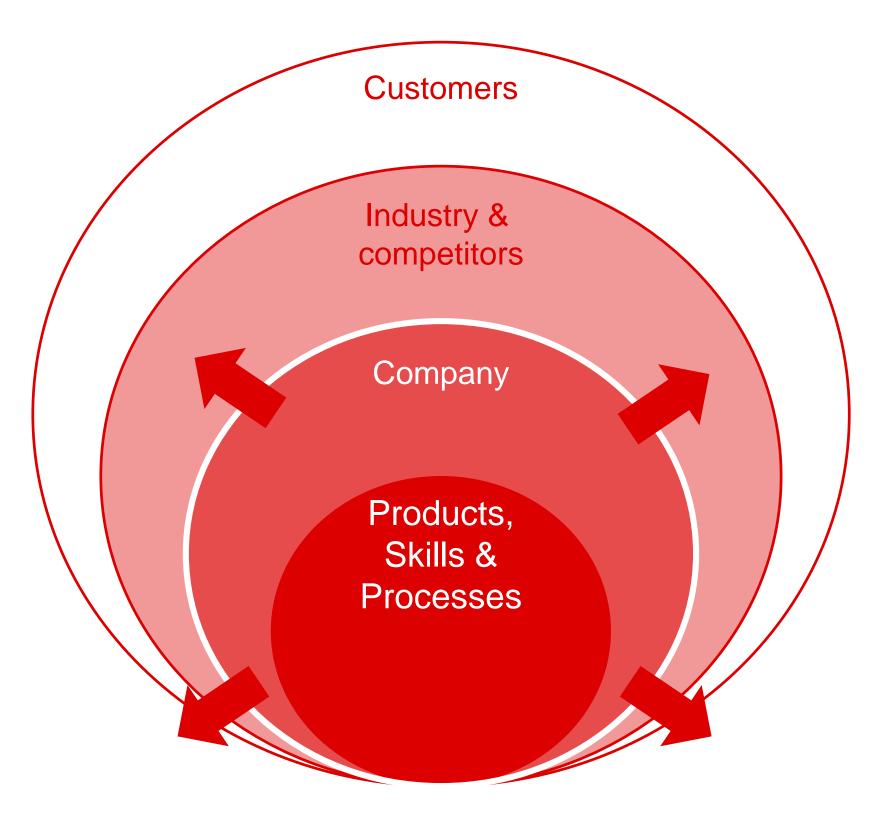


#### Impact of Digitization: Inside Impact

The specific equipment is verified prior to being physically built



# Impact of Digitization Outside Impact



#### Impact of Digitization: Outside Impact

The models are integrated as BIM in the digital building

Full integration of elevator in customer building model

Data from the building are uploaded to improve the precision of simulations

Possibility to run optimization by considering different building configurations and use

Digital documentation of product for maintenance



#### Elevator installation Today

Harsh environment

Repetitive

High quality requirements



#### Elevator installation Tomorrow



R.I.S.E

Robotic installation system for elevators

Safety

Health

Quality and accuracy

Installation data from BIM

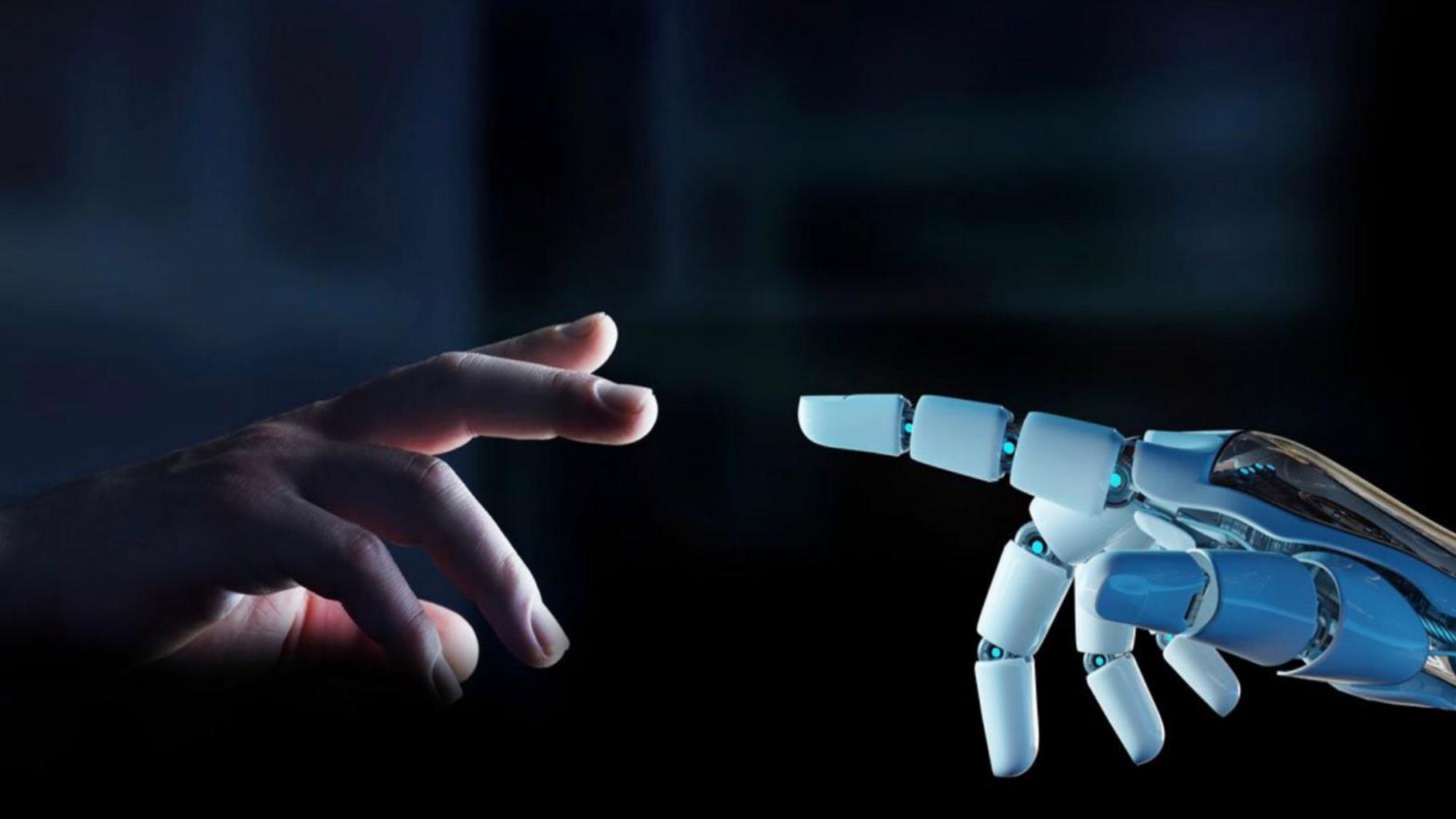
Automatic installation protocol

Accelerate your projects

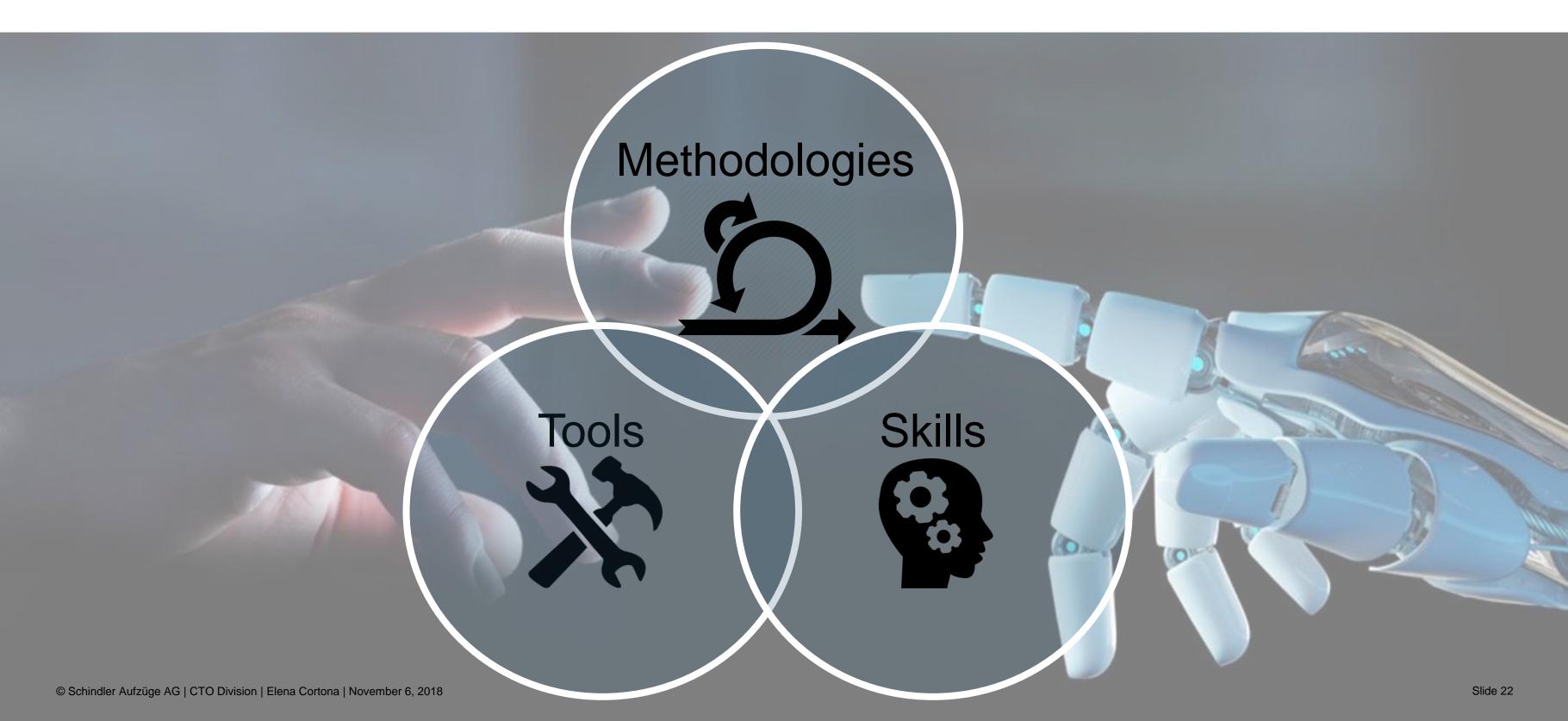


Impact of Digitization: Outside Impact Creation of new business models and business areas





#### The Challenges of Digitization



### The Challenges of Digitization Tools



Huge and long term IT investments, evaluation of capability of tools

Compatibility between different tools, interfaces between them

Missing standards, rather be an early adopter or wait for consolidation?

### The Challenges of Digitization Methodologies



Redesign of current processes needed, in parallel to running business

Shift of power between different parts of the organization

Fear of mistakes, "never touch a running system" attitude

### The Challenges of Digitization Skills



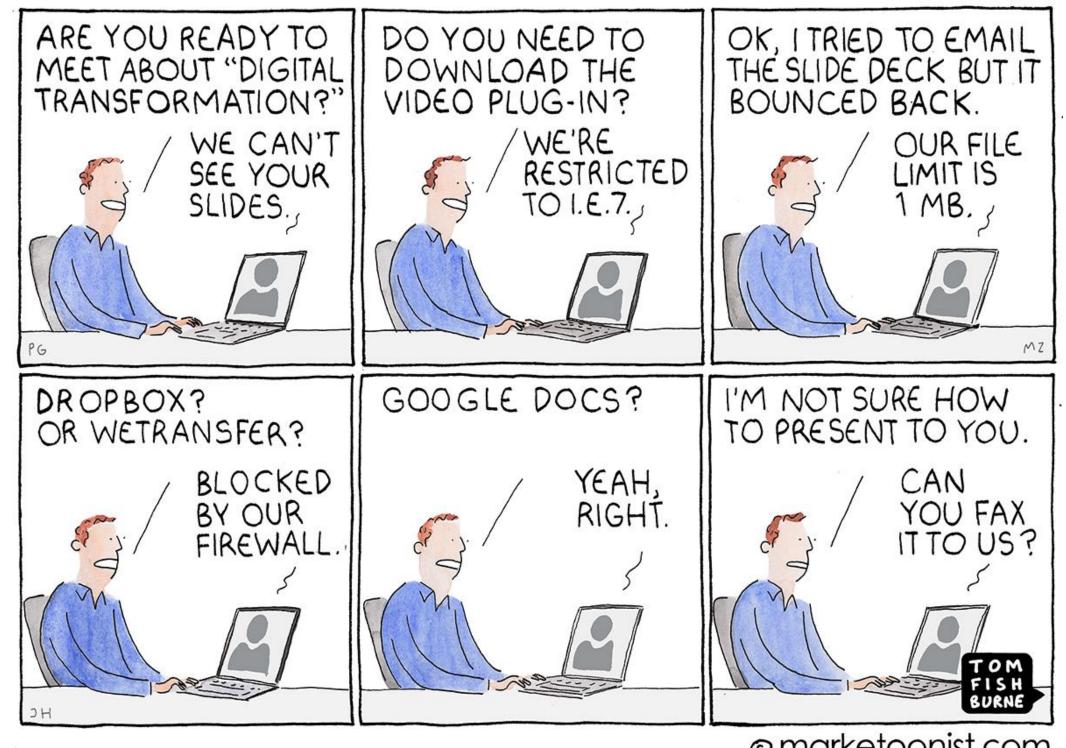
Fear of power losses at individual level, know-how retention

Availability of digital skills on the market, expecially if combined with domain know how

Skills up-to-date becoming more and more difficult due to faster and faster technology cycles

#### In an era of change and technological breakthrough...

... this is still daily life!



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### Thank you for your attention.

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