

30.05.2018



INNOVATING URBANIZATION

# TOWARDS WORLD CLASS SUSTAINABLE URBANIZATION



CITY OF COPENHAGEN



Realdania



**BLOX** **HUB**



**BLOX** HUB







# WHAT'S A HUB





# COMMUNITY



Corporates

Start ups

SMEs

Associations

Research

Public client



Risk Capital

Consulting

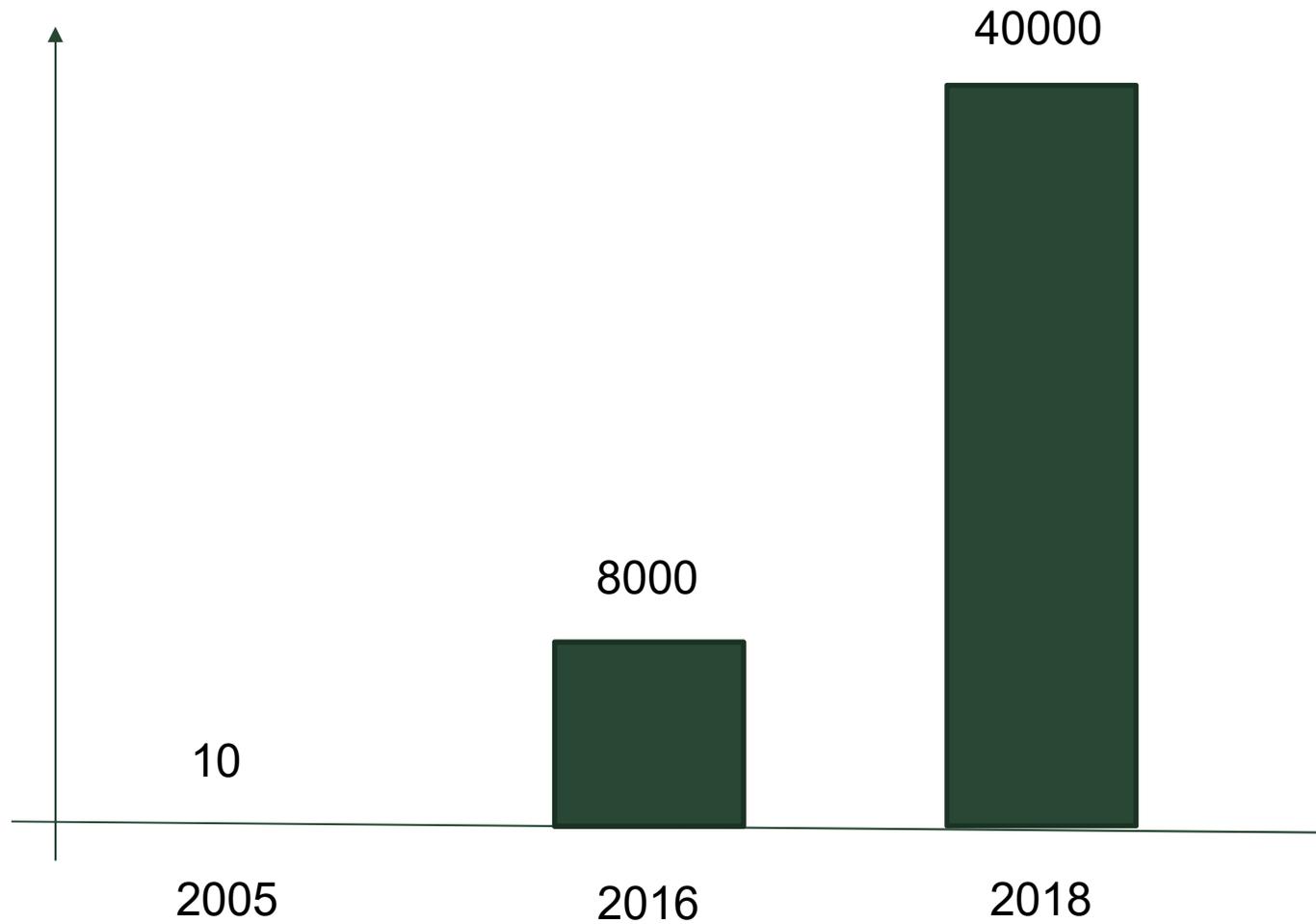
Networks



# CO-WORKING SPACES



GLOBAL COUNT 2016



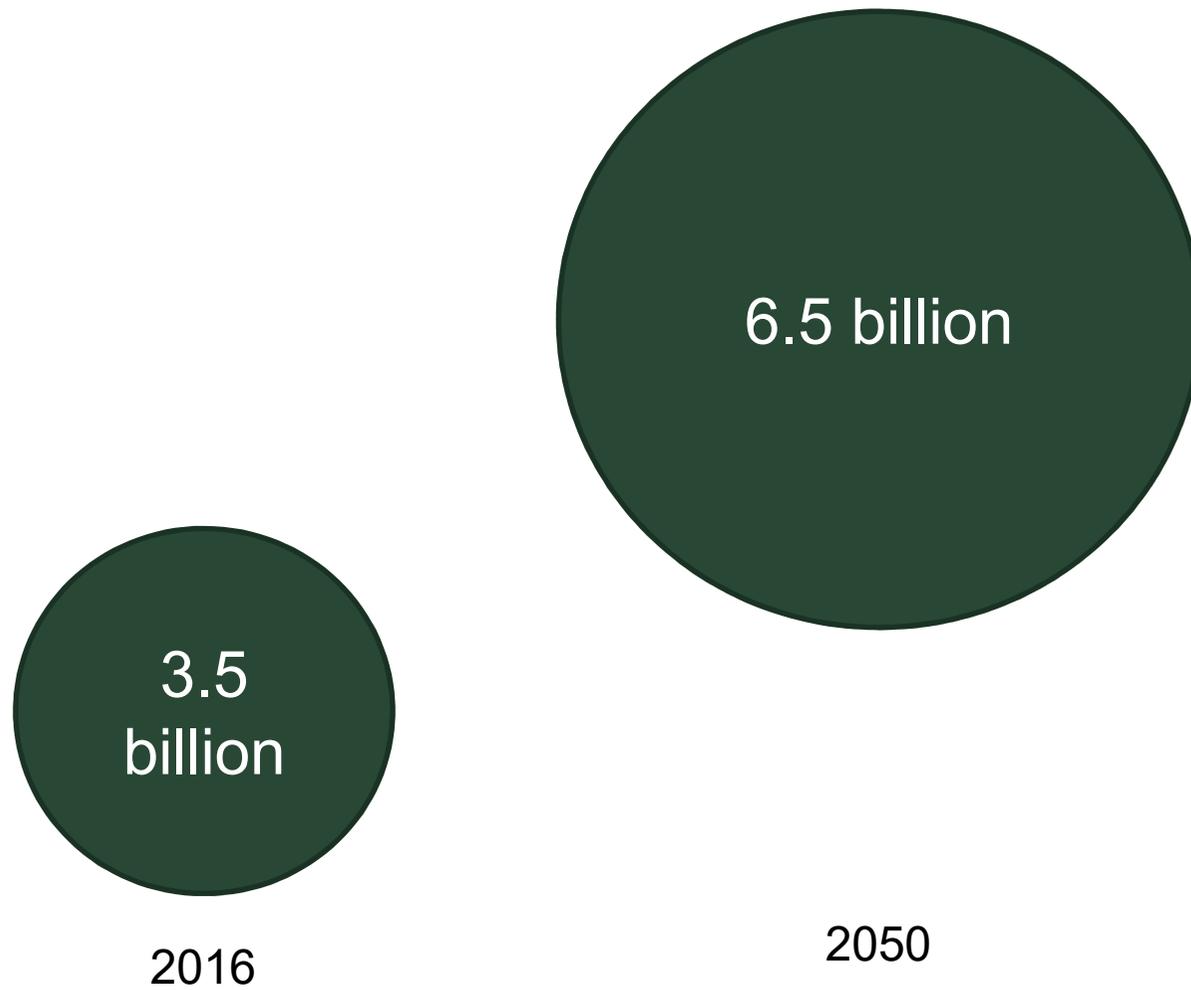


**No matter how many smart people you have INSIDE  
your organization,**

**– there's a lot more smart people OUTSIDE your  
organization!**

Bill Joy, Silicon Valley Entrepreneur

# URBAN POPULATION





# A GLOBAL MISSION



The mission is

to contribute to **sustainable urbanization** on a global scale through innovation bridging

- *architecture,*
- *design,*
- *construction and*
- *digitalization.*





# HUB MEMBERS



# COMMUNITY MEMBERS

# BLOX HUB



# WHY JOIN?



**Location**

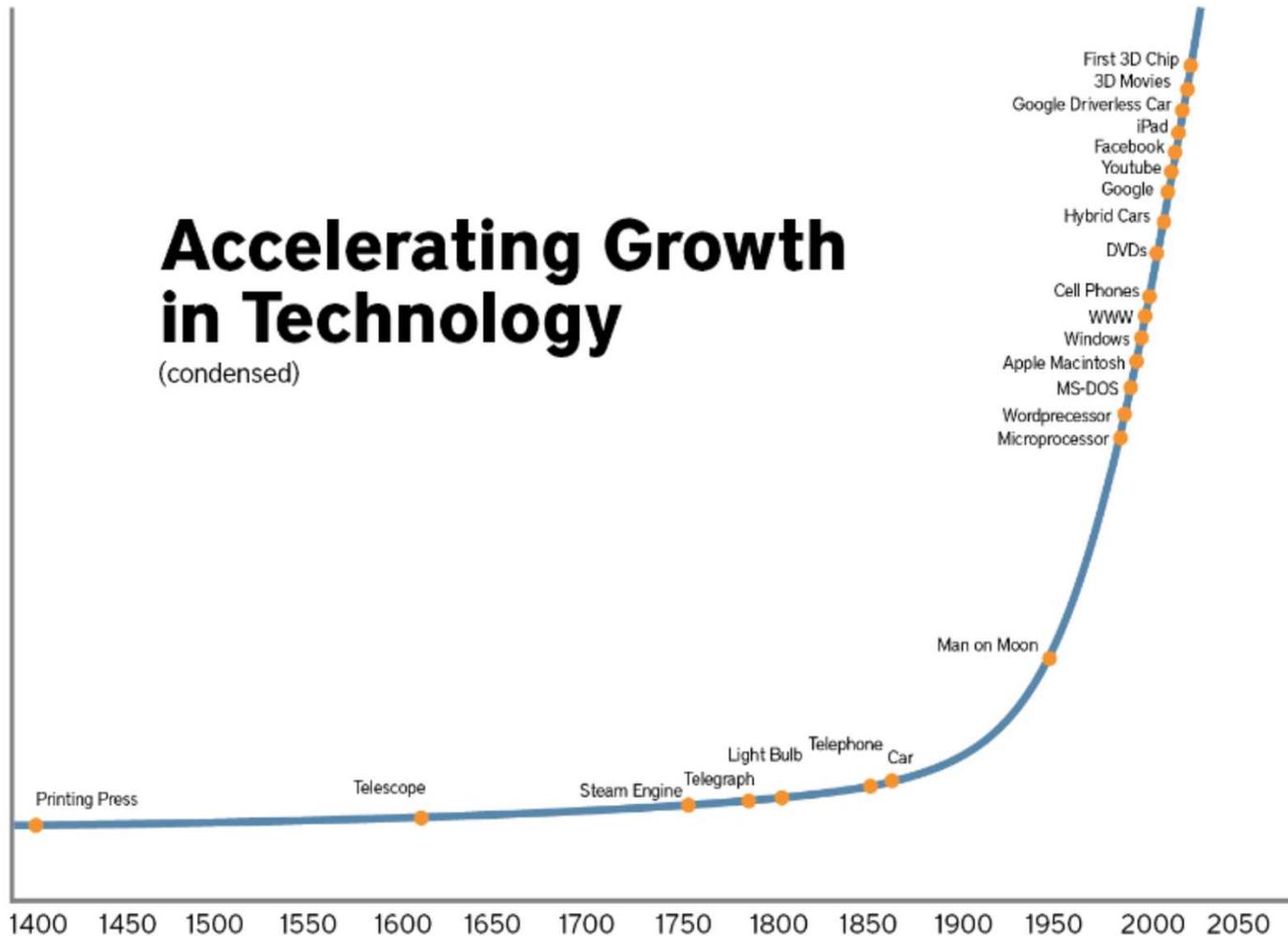


**Community**



**Innovation**

# Hockey Curve



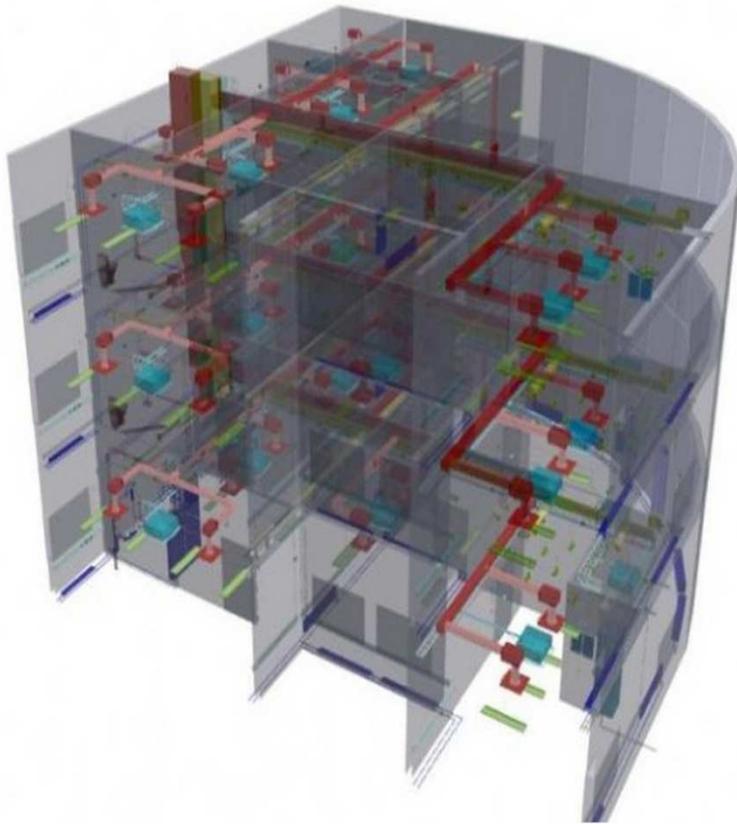
**BLOX** HUB



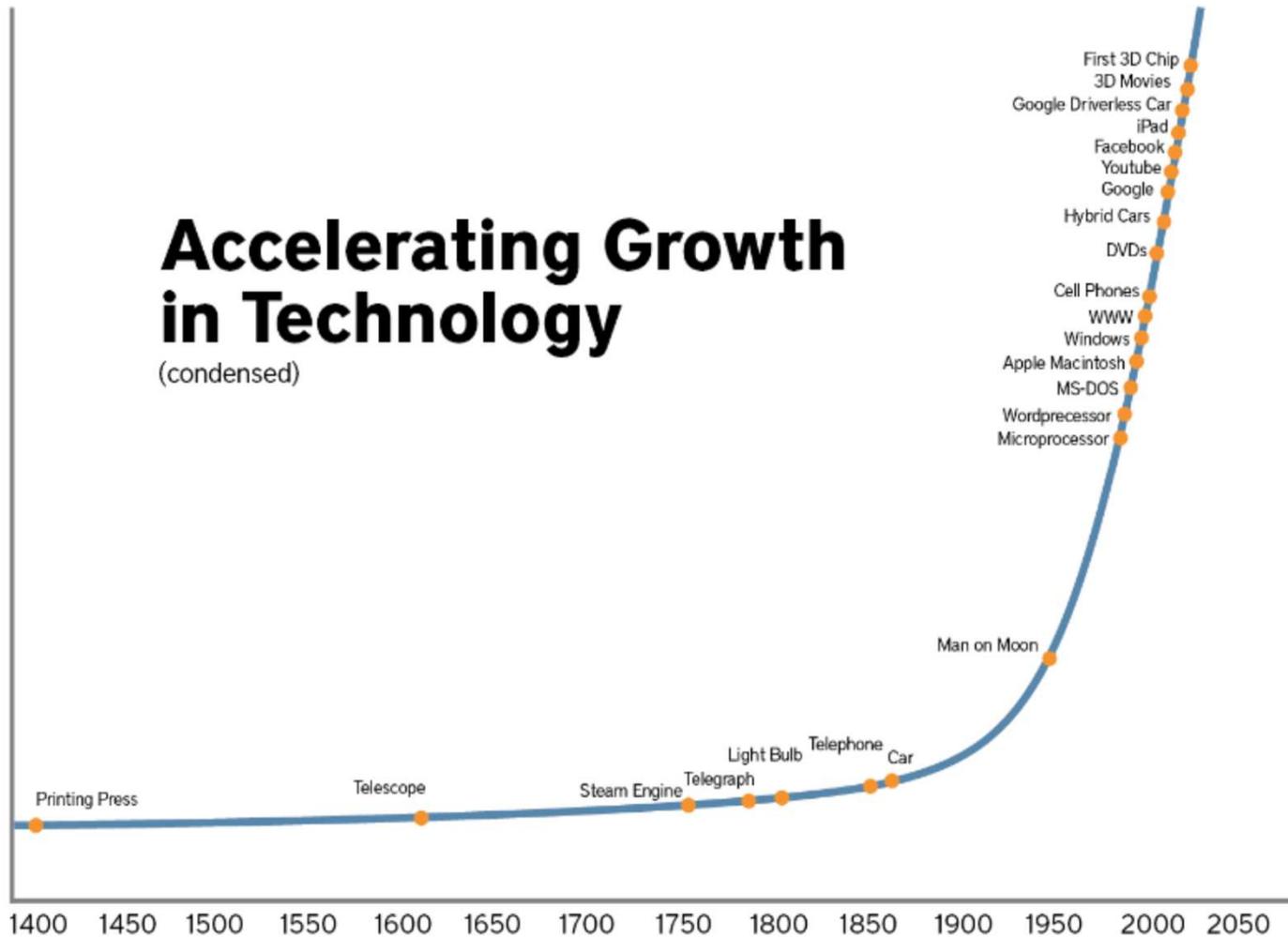
**BLOX** **HUB**



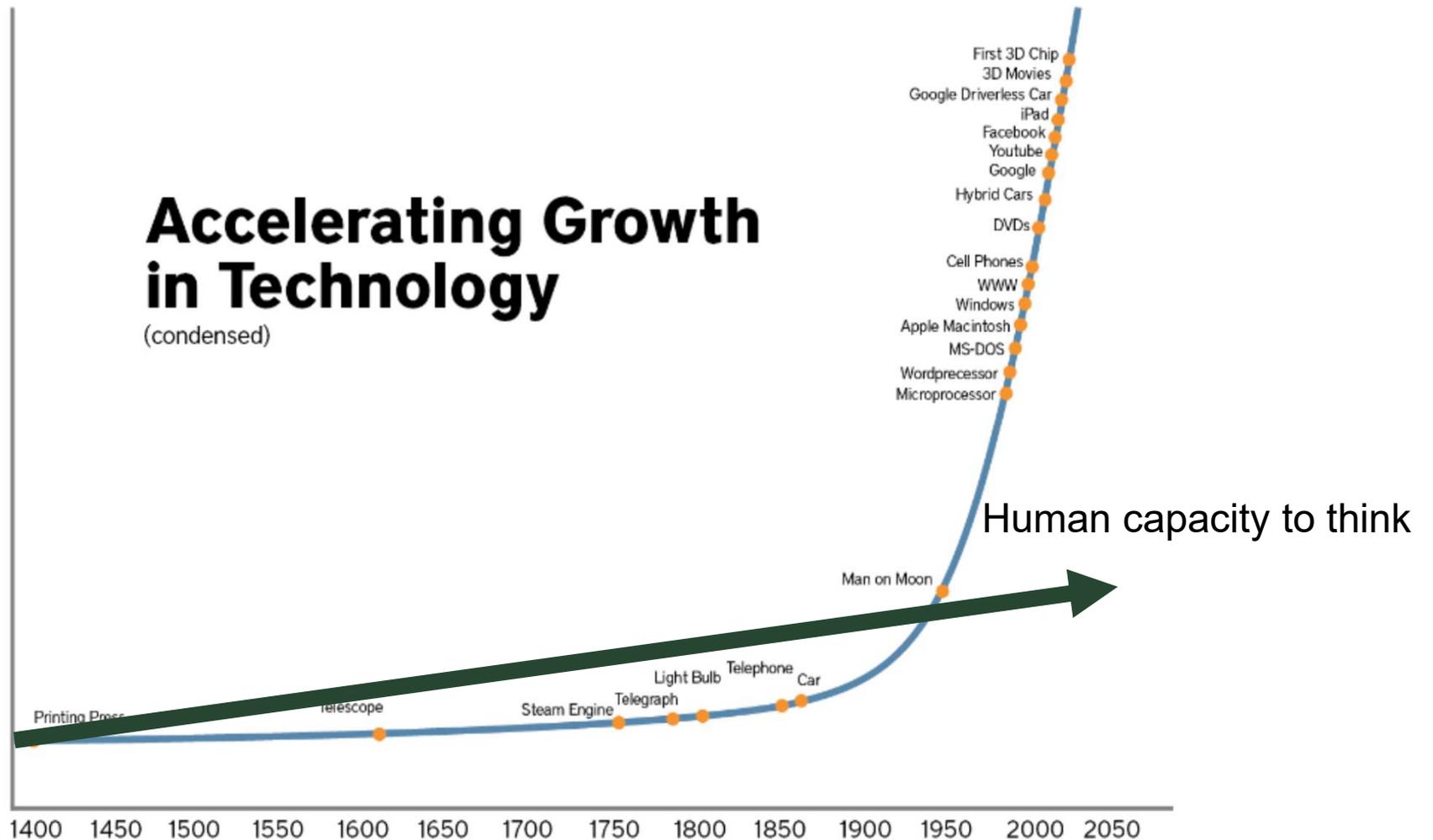




# Hockey Curve

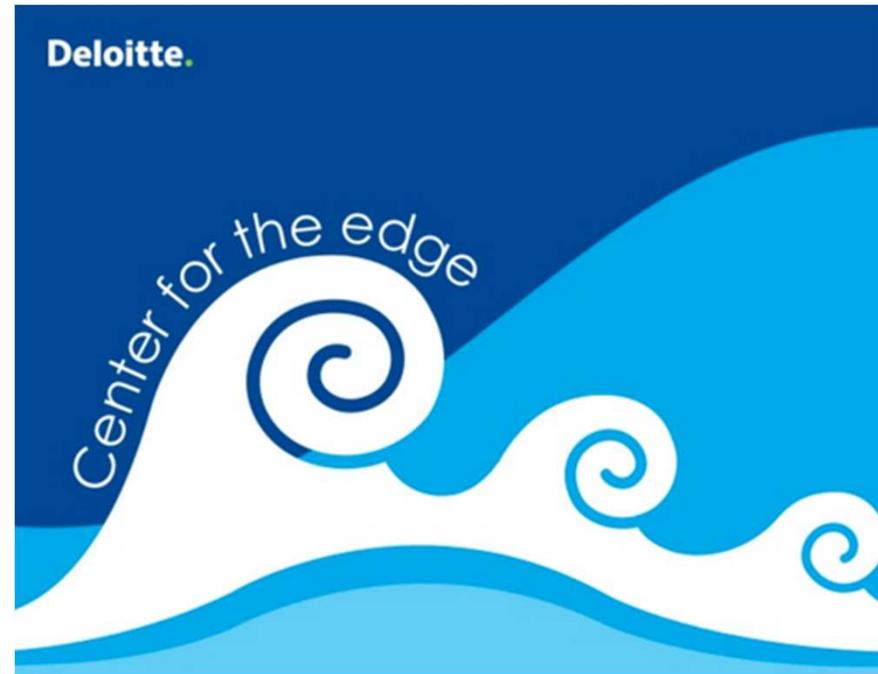


# Hockey Curve dilemma





# The BIG SHIFT





# THE BIG SHIFT



From STOCK to FLOW





# THE BIG SHIFT



From PUSH to PULL





# THE BIG SHIFT



From EFFICIENCY to LEARNING





# THE BIG SHIFT



Flow



Pull



Learning





# THEMES 2017 - 2020



## Livability

Designing livable cities with a human-centered approach that provides healthy living conditions, ranging from fresh air to social meeting places making cities inclusive and accessible for all citizens.

### DRIVERS

#### Urban resilience

Helping cities become resilient and adapt to climate change through tailored strategies, risk mapping, warning systems, drainage systems and flood prevention. Reducing climate change by cutting emissions.

#### Urban mobility

Designing sustainable urban mobility solutions for all citizens that reduces pollution and spatial segregation, including electric and driverless vehicles and solutions for sharing.

#### Sustainable buildings

Developing sustainable buildings and materials that reduce emissions and energy consumption, smart technology, e.g. lighting, ventilation, heating.

### ENABLERS

#### Digitalization

Tapping into digitalization's unprecedented potential for customization and scalability. Designing smart solutions for the city, for the buildings and for the individual and explore new business models leveraging BIM, big data, platform thinking and Internet of Things.

#### Sharing & circular economy

Designing cities to shift from 'take-make-dispose' to 'reduce, reuse and recycle/upcycle'. Developing improved waste management as well as digital sharing solutions.

### FRAME- WORKS

#### Urban governance and finance

Driving policy and governance that provides a framework for sustainable urbanization. Developing integrated urban planning strategies as well as novel business, financing and procurement models.



# INNOVATION



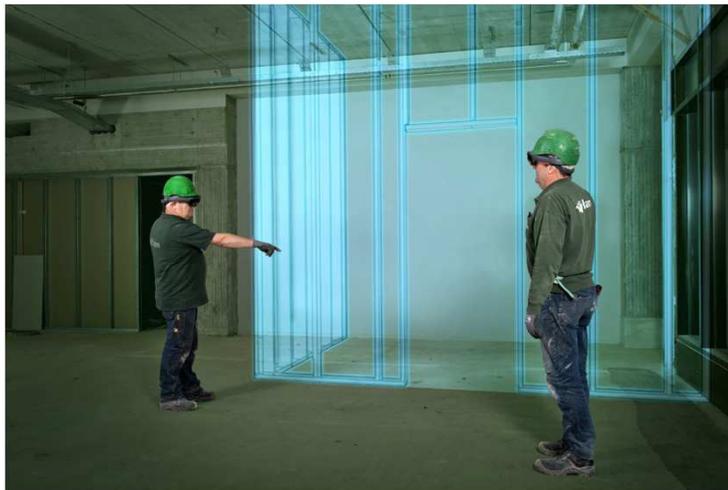
- MATCH – co-create
- Start up acceleration
- “Water cooler activities”



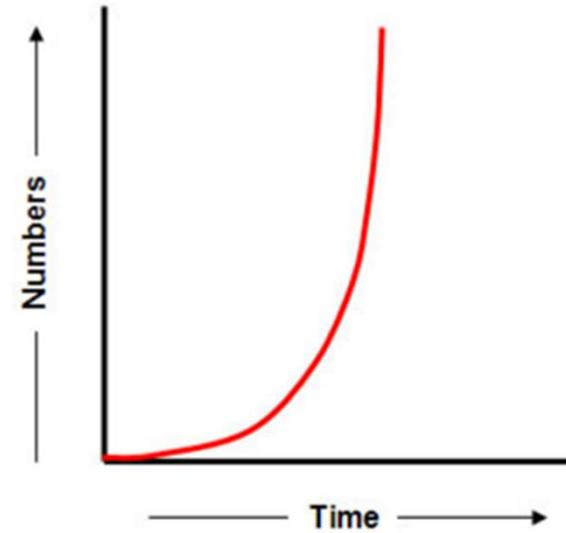
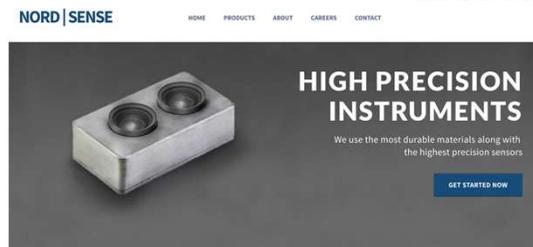
# MATCH! Co-create – CASE Mixed Reality in Construction



- Initiating party is Dalux – Leading Danish BIM specialists.
- The focal point is the new Hololense technology that enables users to work in augmented reality, hereby making it possible to optimise work processes in construction.



**11 participants:**  
6 private companies  
2 research institutions  
3 Developers / operators of  
buildings





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