Bridging the Gap

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Bridging the gap => Linking early planning and design to Use and FM-FDVU
Finansering from Norwegian Research Council through collaboration research project 2021-2025
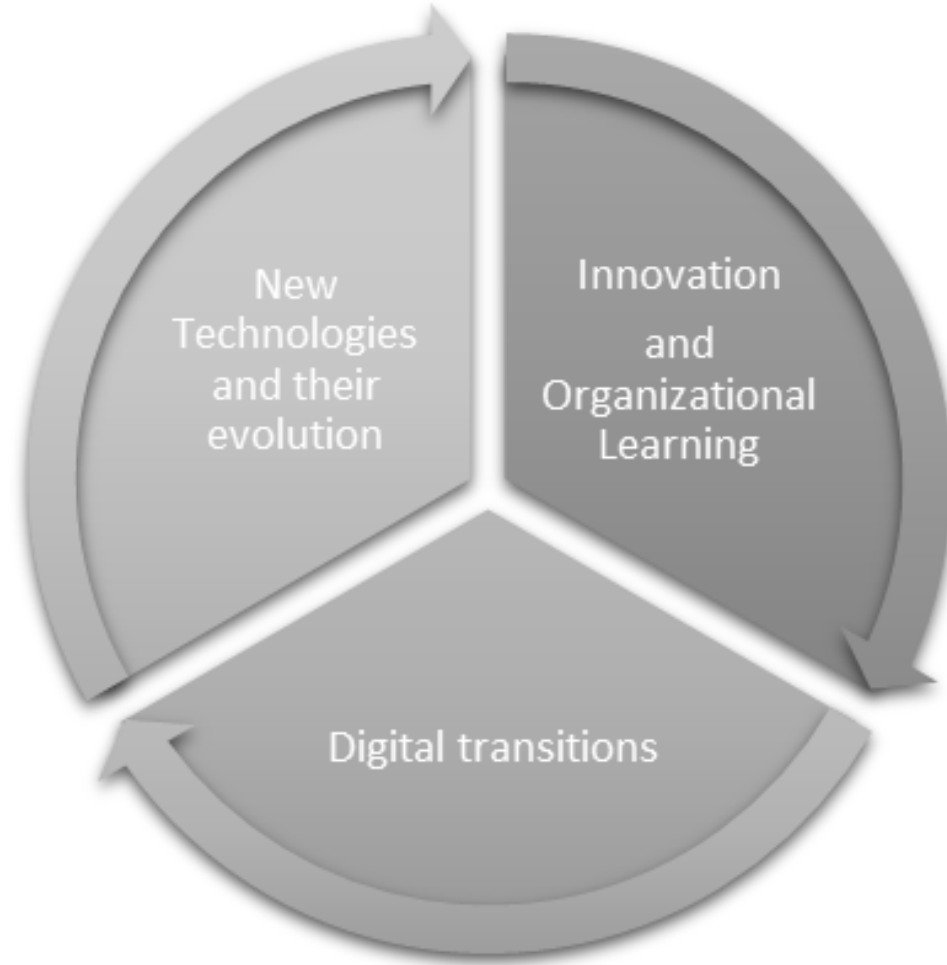
Research questions

1. What barriers, possibilities and benefits lie in digitization / digital twin for FM/FDV and use?

2. How to systematize and (further)-develop frameworks / models for information, data capture and storage to FM and use?

3. What processes are needed to organize data and information management from concept to FM and use?

4. What types of information and data do FM use in operations from concept, engineering and production?

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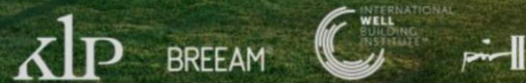# Digitalization in the AEC/FM Industry and Digital Transitions

Slide from Toomaj Ghalandar

2022

Teknostallen

https://www.klpeiendom.no/oslo/nyhetsarkiv/samhandlingteknostallen

Facility management

Space & infrastructure

- Accommodation
- Workplace services
- Technical infrastructure
- Cleaning
- Other space & infrastructure

People & organisation

- Health, safety & security
- Hospitality
- ICT
- Logistics
- Other support services

Future visions for digital twins
Intuitive system

2022

"The BIM model needs expertise – there are many people who develop BIM and it does not just start with an architect".

(Project manager perspective)

2050

"Building management system today, is a system for the construction industry - it is very robust and needs master's degree to use system.

In the future…- it must be intuitive" (FM perspective)
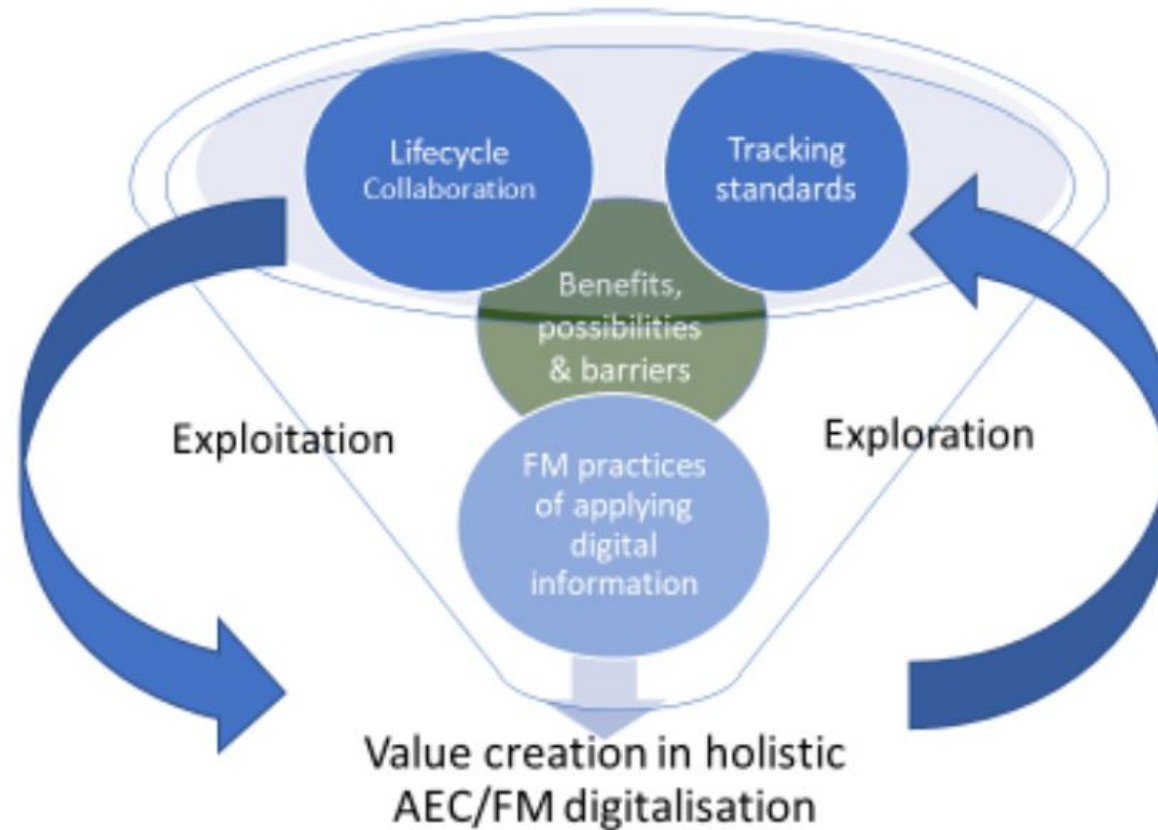
Vision and reality…

2022

"I understand that many people think that technology is simple, but the vision is difficult… it is not very easy to say how to work on things when we work together… it takes 100 to 200 emails to be completely done…." (Architect perspective)
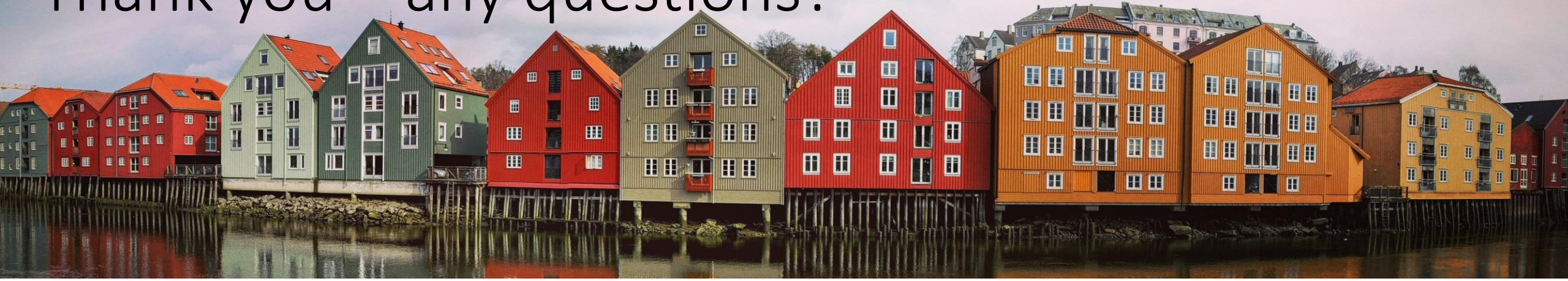
2050

"Digital twin which is a digital advisor that actually suggests optimization and ideas for rebuilding when it's time"

(FM perspective)

Value creation through Innovation

Thank you – any questions?

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