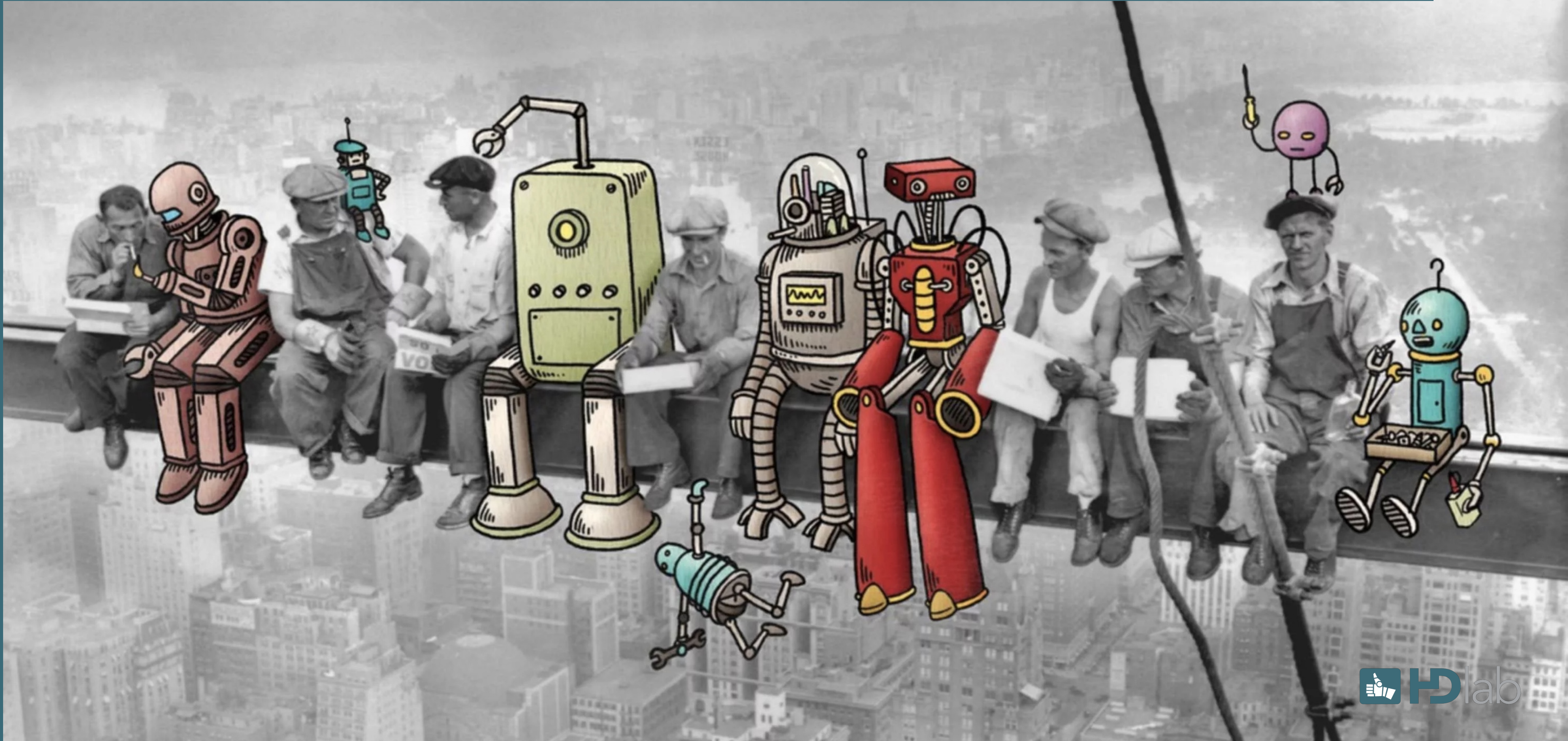
Forretningsværdi og digital teknologi i byggebranchen



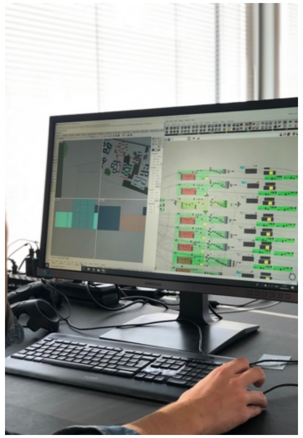
HDlab Teknologi til byggebranchen

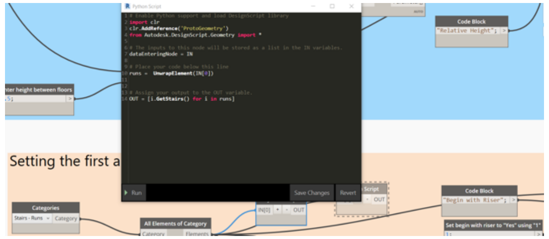
Teknologiydelser
Reality capture, modellering og generative design

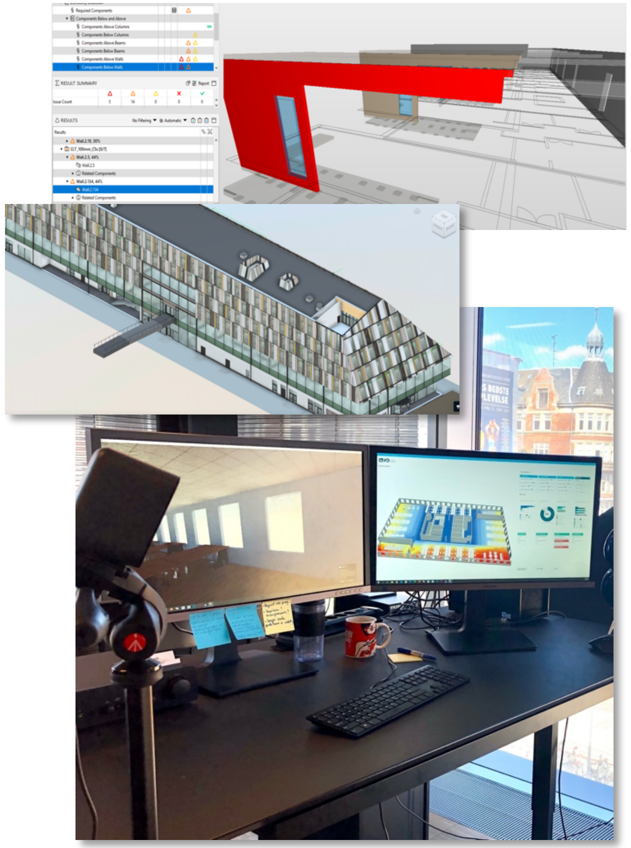
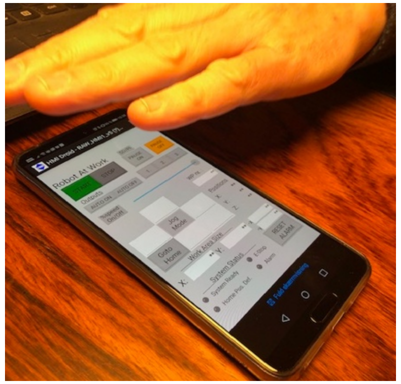
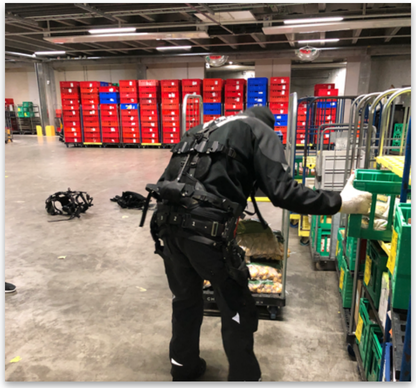
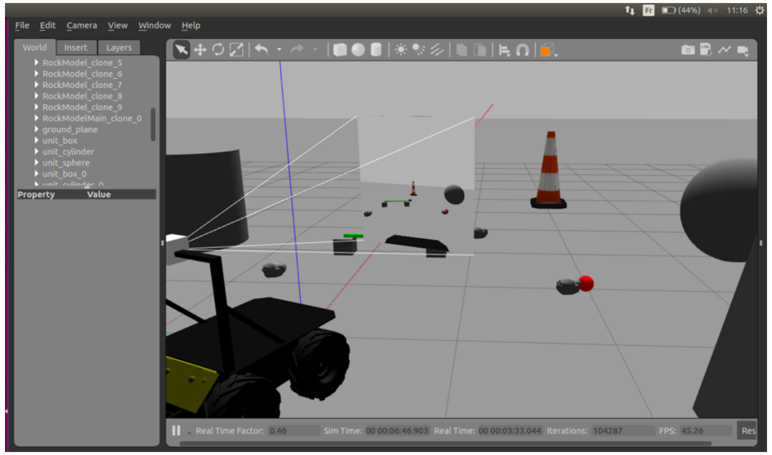
Konsulentydelser
Projektsupport, analyser, løsninger

Udviklingsprojekter
Fokus på exoskeletter, robotter og blockchains

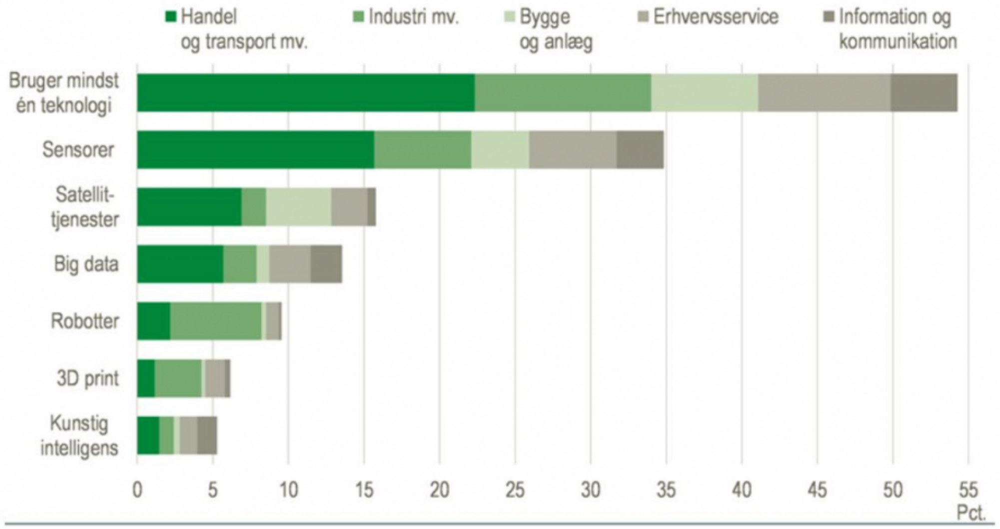






Virksomhedernes brug af avancerede teknologier fordelt på brancher. 2018



Anm.: Virksomheder med mindst 10 ansatte.

SYV TEKNOLOGIER, DER VIL ÆNDRE BYGGEBRANCHEN

Digitale, virtuelle bygningsmodeller – fra BIM og VDC til AR/VR

Generativt design og automated modelling

Reality capture – laserscans, droner, hi-res-fotos og geolocations

Sensorer og IOT

Assistenter, robotter, cobotter og additive manufactoring

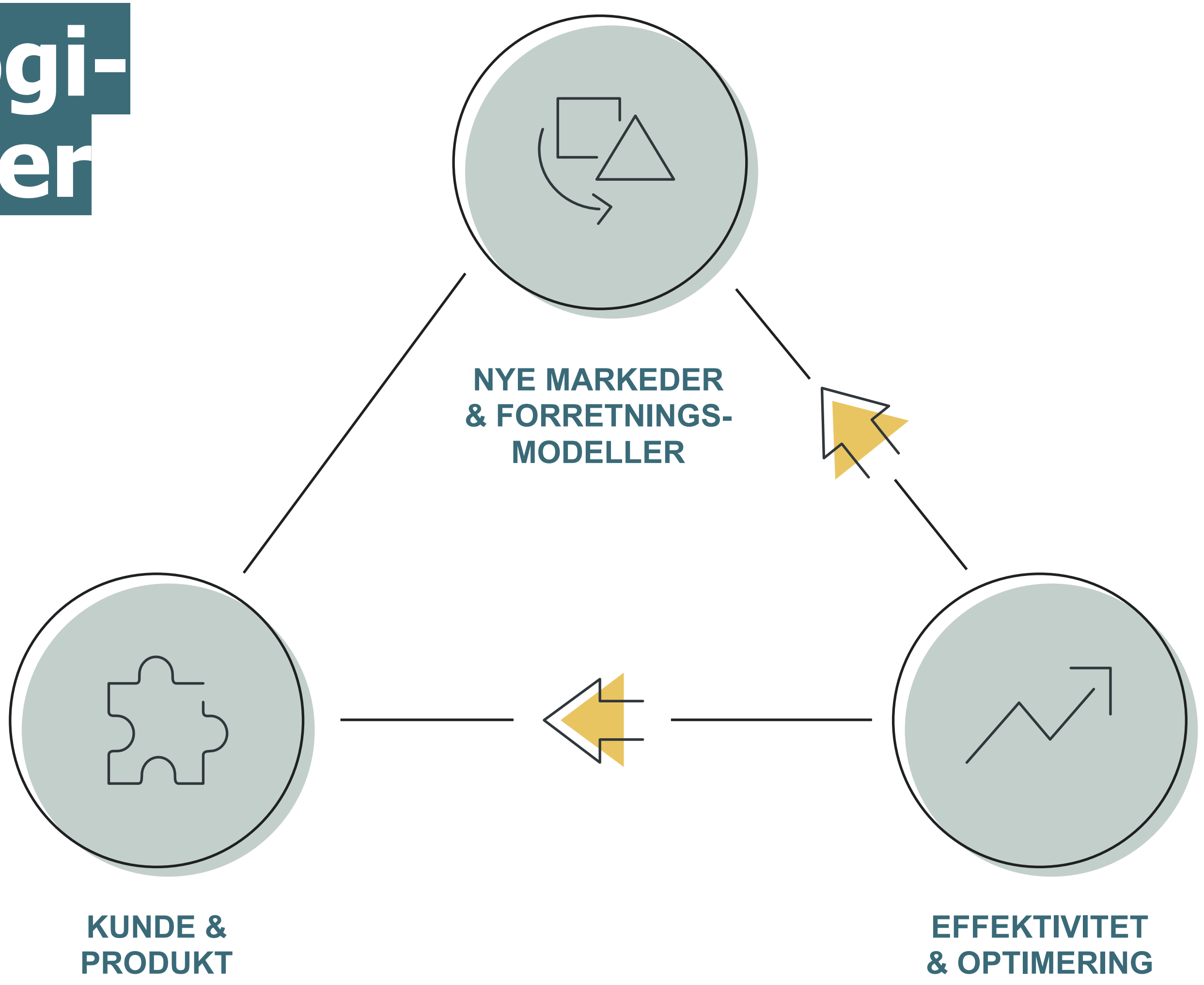
Mobilteknologi, cloud, iPads, digital workspaces

Data analytics, business intelligence, predictive modelling, AI

HDlab

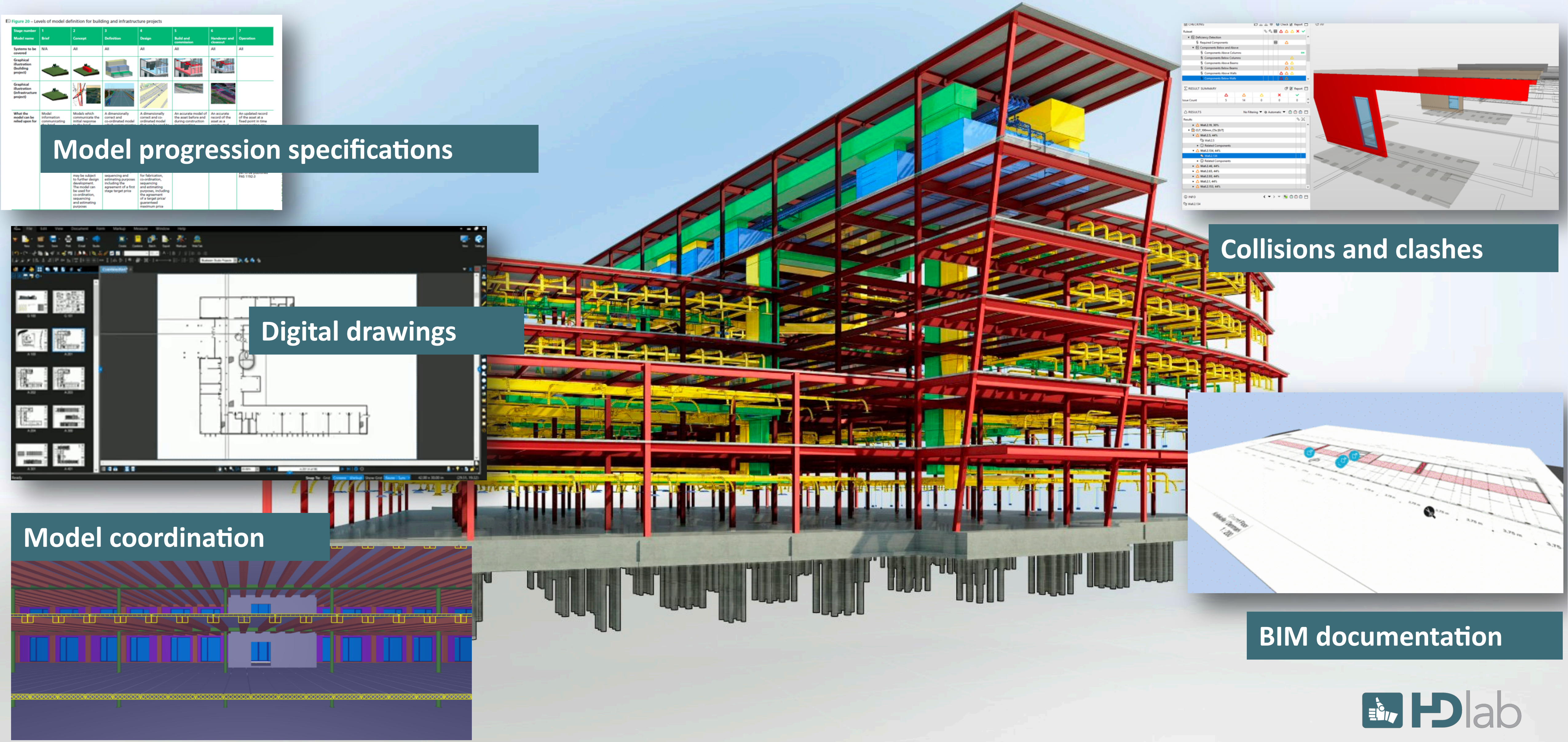
Hvordan vil udviklingen ske?

Teknologi-strategier

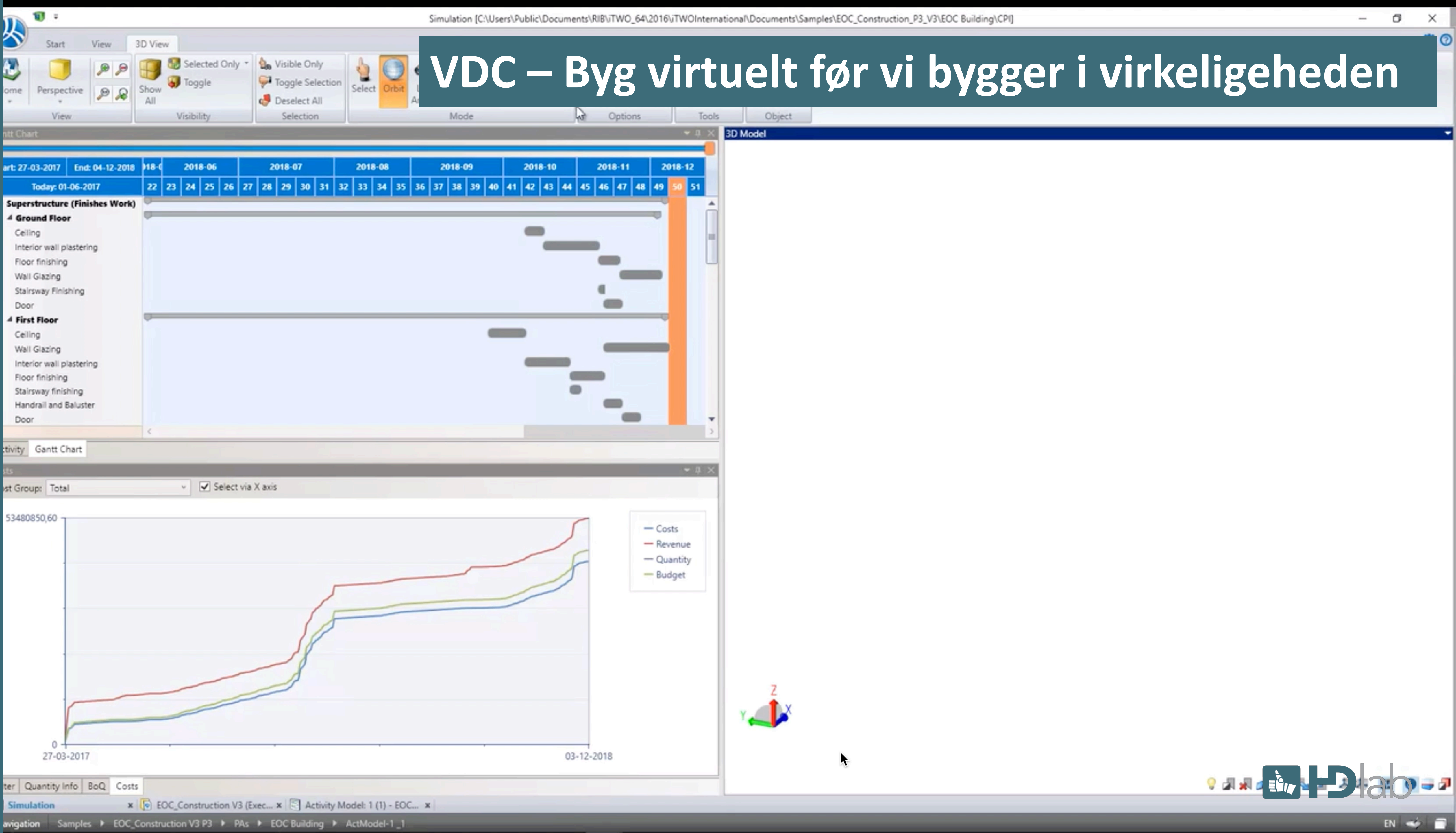


Det digitale projekt - mobilitet

Digitale bygningsmodeller BIM

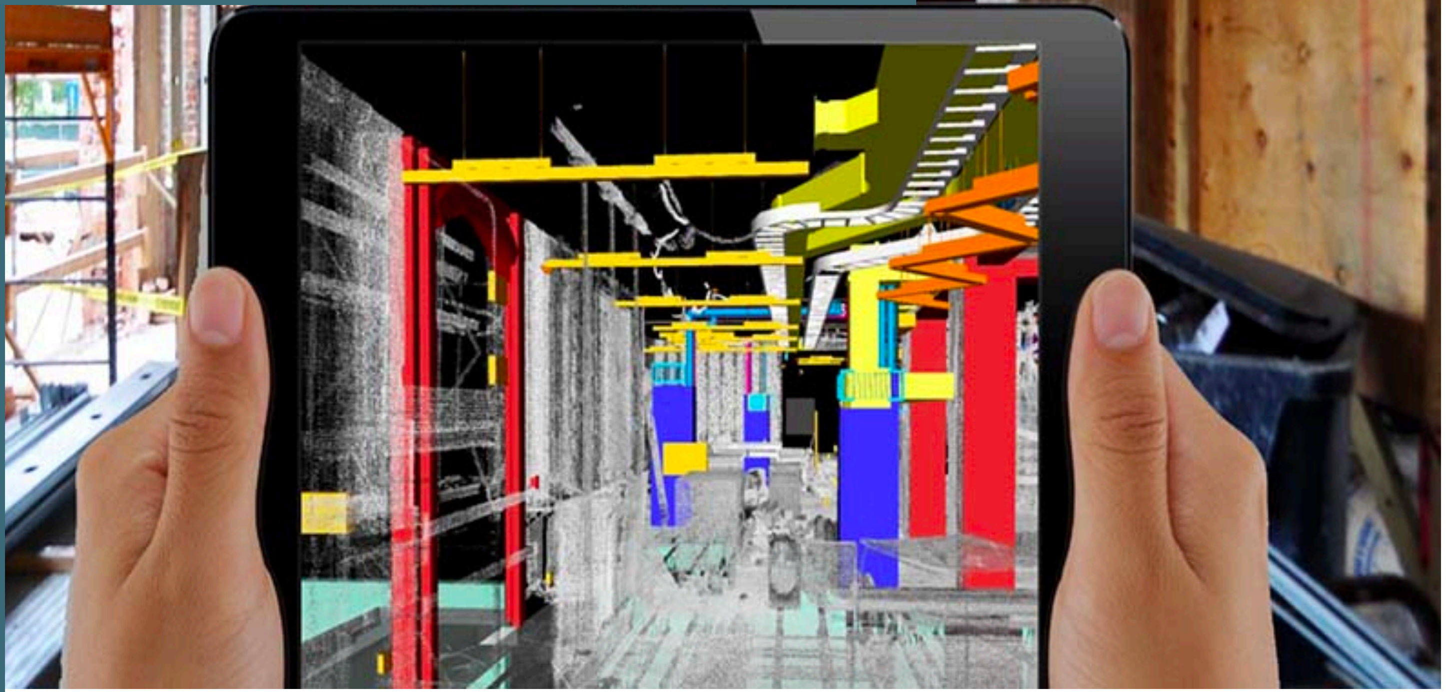


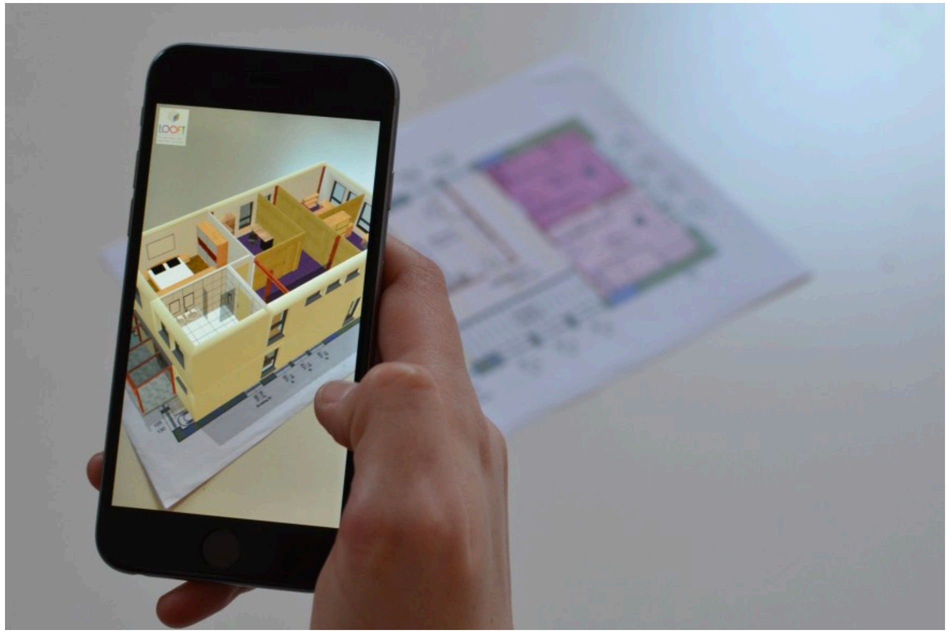
VDC – Byg virtuelt før vi bygger i virkeligeheden



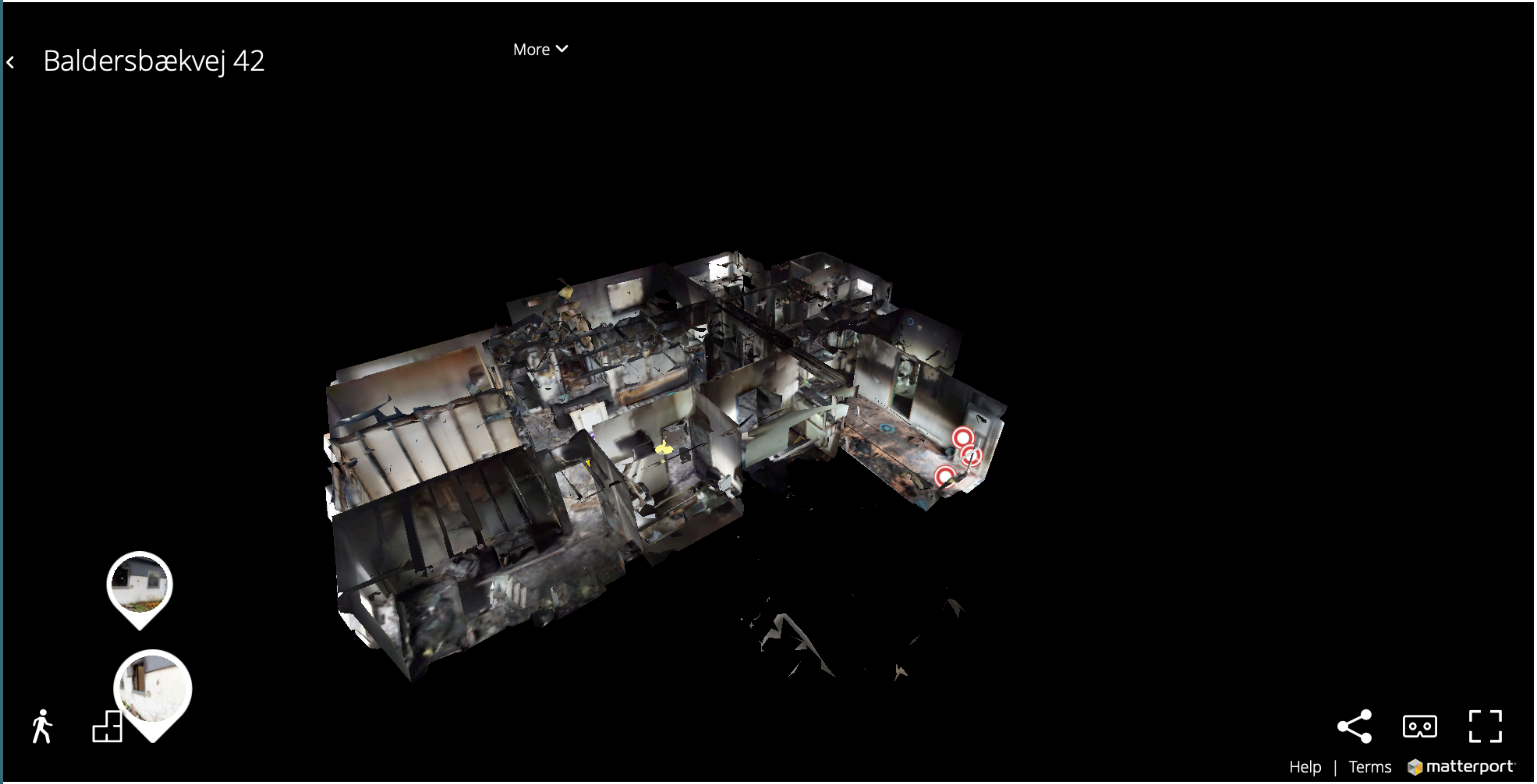
Visualiseringer og VR

Visualisering med AR





HDlab

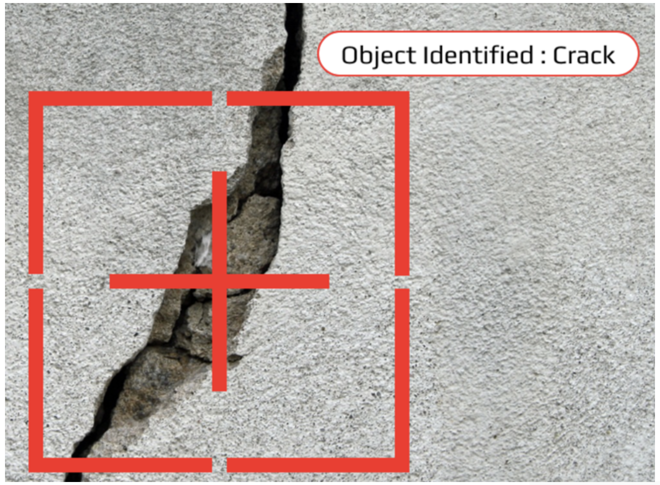

Baldersbækvej 42
More
Help | Terms
matterport

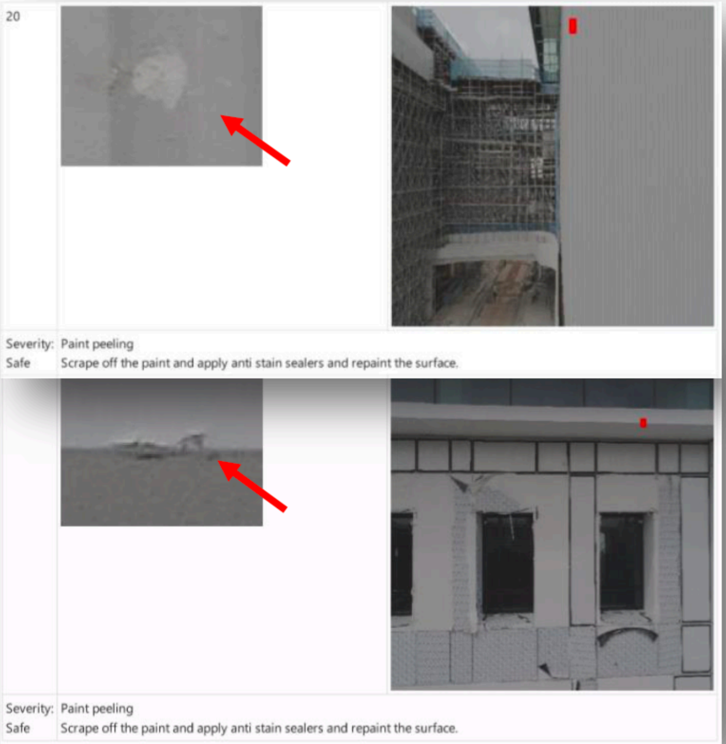
Interaktiv præsentation af huse

Dokumentation under byggeprocessen

Dokumentation under byggeprocessen

HDlab

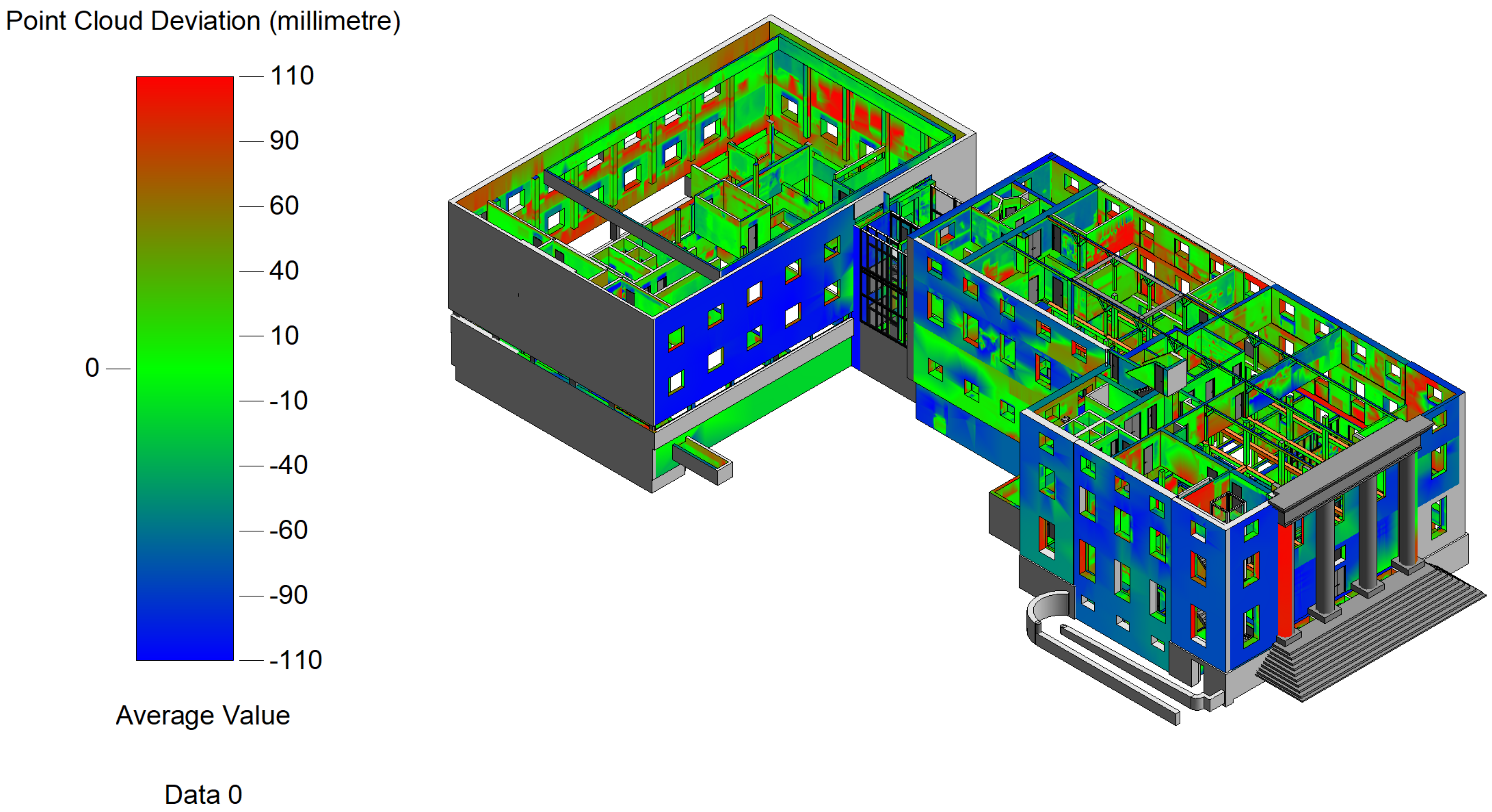




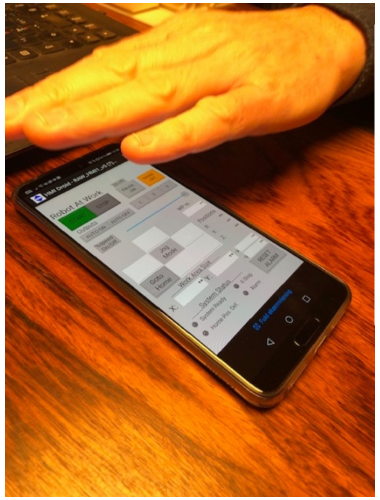
H³Zoom.AI

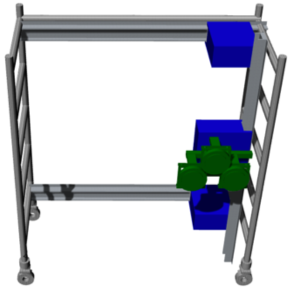
KIMLY CONSTRUCTION

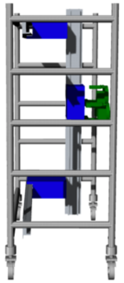
HDlab


Point Cloud Deviation (millimetre)
110
90
60
40
10
0
-10
-40
-60
-90
-110
Average Value
Data 0

HD Lab | Robotter





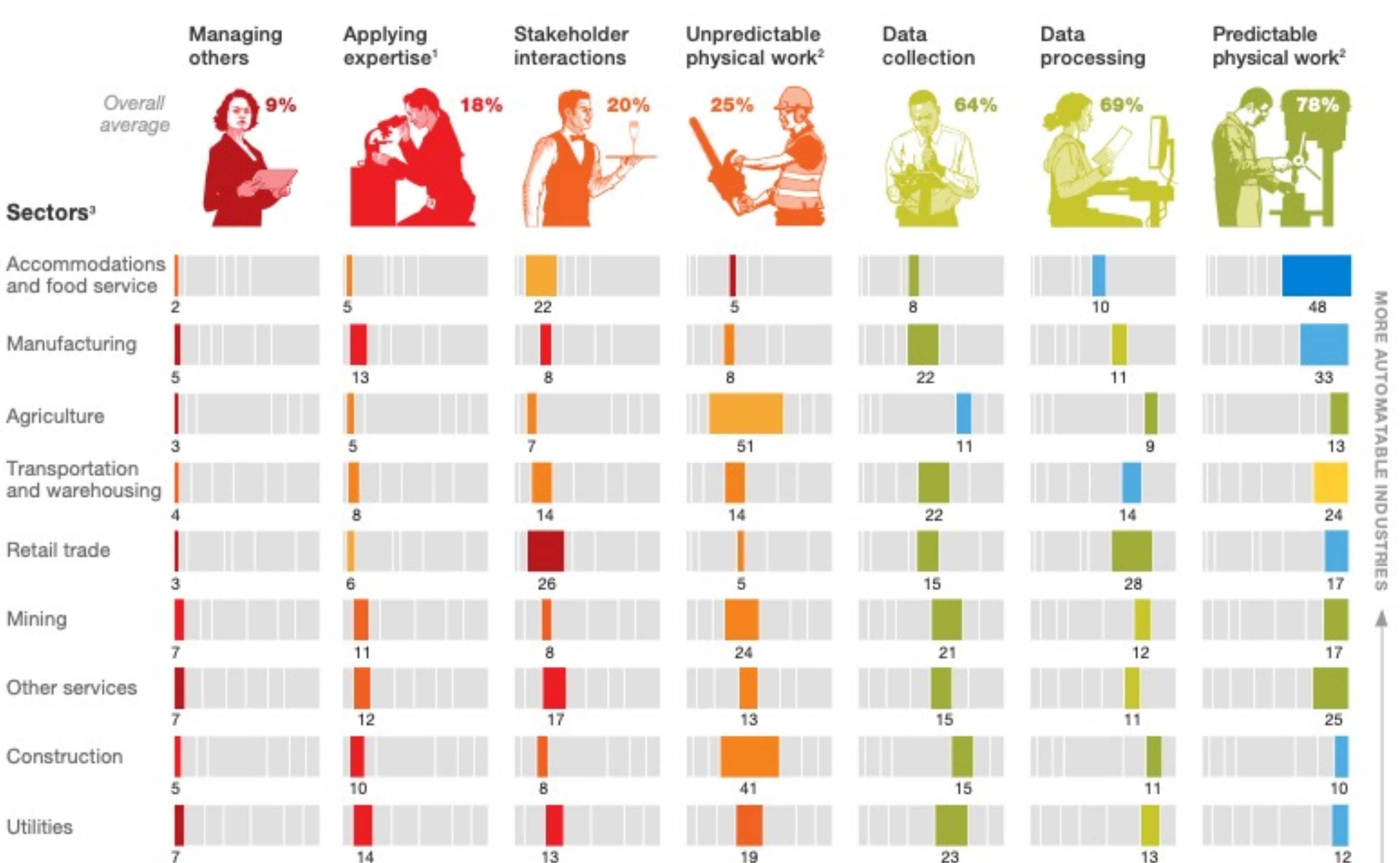


The technical potential for automation in the US

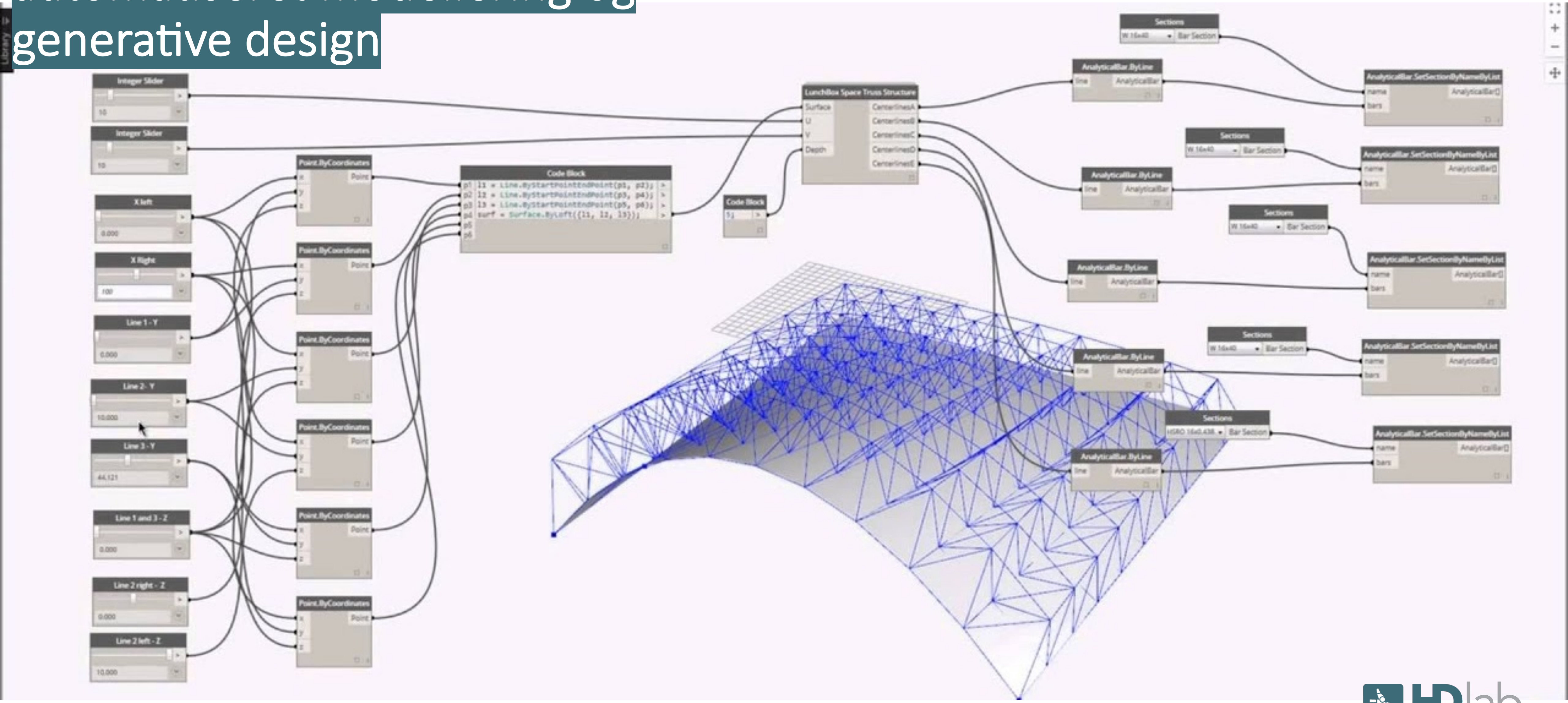
Many types of activities in industry sectors have the technical potential to be automated, but that potential varies significantly across activities.

Technical feasibility: % of time spent on activities that can be automated by adapting currently demonstrated technology

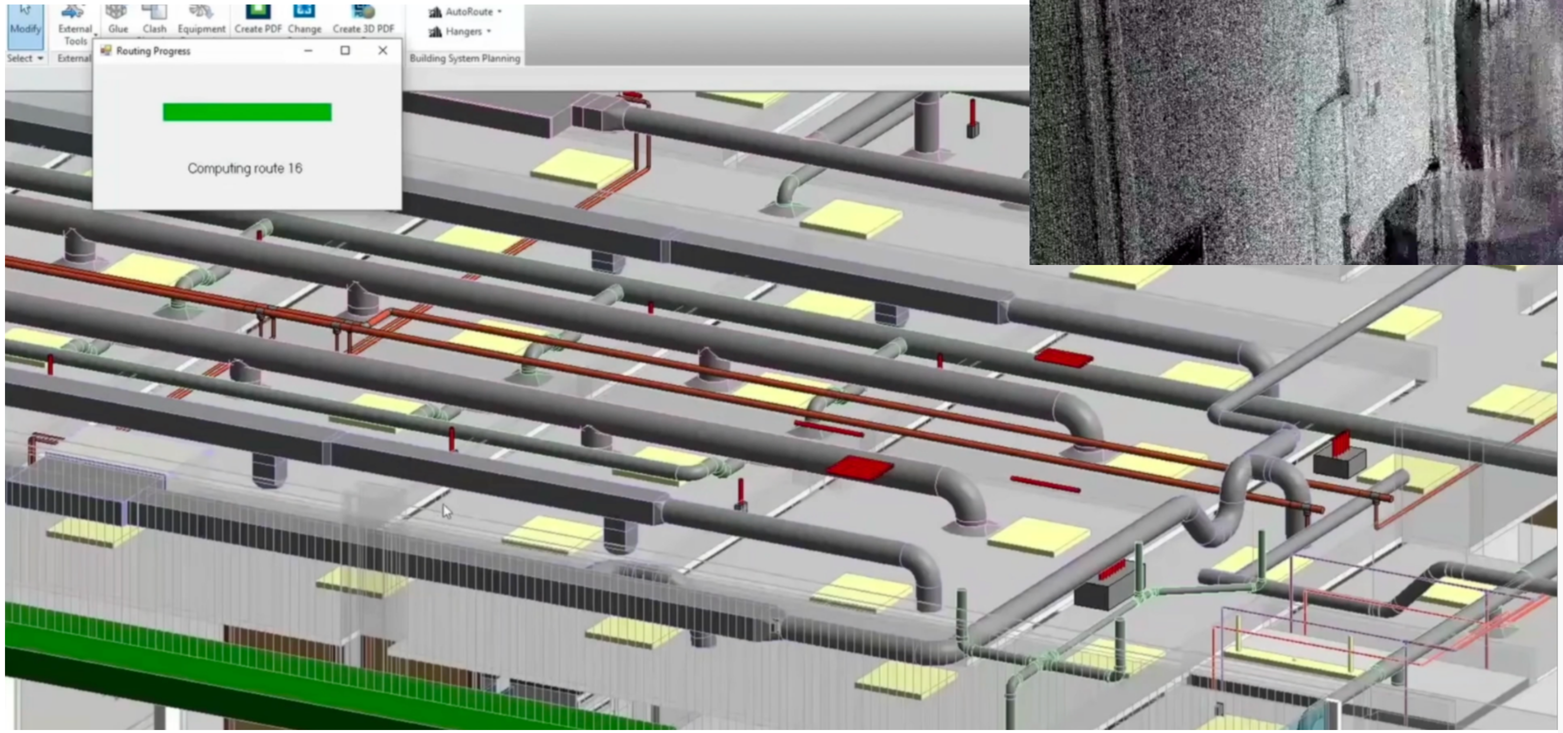
0 50 100

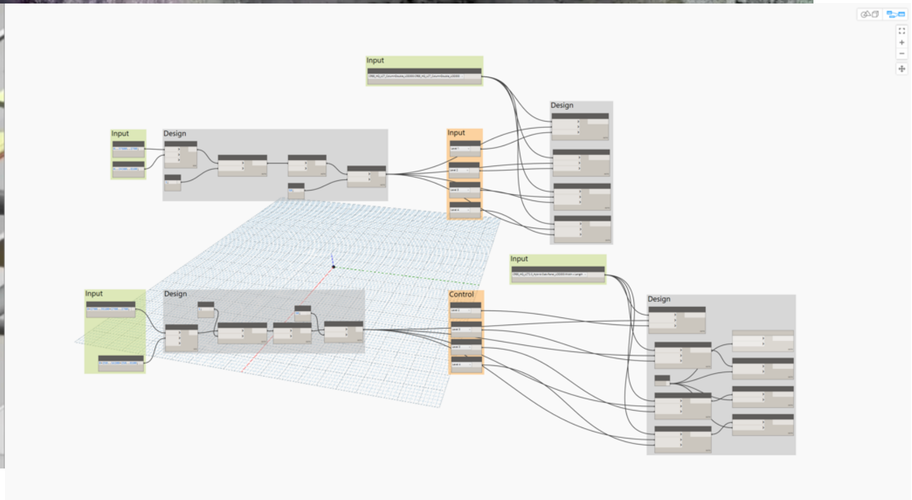


Computational BIM, automatiseret modellering og generative design

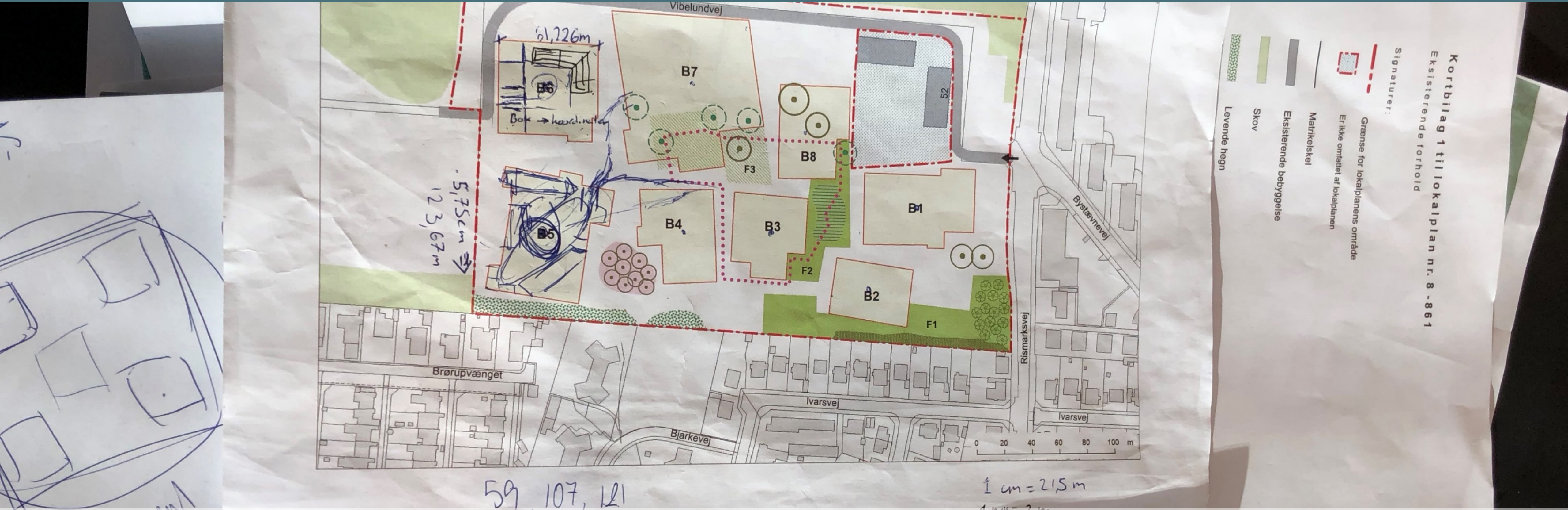


Automated design





Optimering af byggeret



Investeringscase:

Optimér antal m2 på byggegrunden

Byggefelt 1:

- Boliger
- Bygningshøjde, max: 13 m
- Etager: 2-3
- N/Ø hjørne: max 15 m + 4 etager
- Én p-plads pr. bolig

Byggefelt 2:

- Boliger
- Daginstitution
- Min. 20 p-plads
- Bygningshøjde, max: 10 m
- Etager: 1-2
- Mod syd: max 1 etage
- Én p-plads pr. bolig

Byggefelt 3:

- Boliger
- Bygningshøjde, max: 13 m
- Etager: 2-3
- Én p-plads pr. bolig

Lokalpark F1, F2, F3:

- 1000 m2 / park
- F2: principiel placering jf. lokalplan

Byggefelt 4:

- Boliger
- Bygningshøjde, max: 13 m
- Etager: 2-3
- Én p-plads pr. bolig

Byggefelt 5:

- Boliger – fritstående bygninger
- Bygningshøjde, max: 13 m
- Etager: 2-3
- 4-6 boliger pr. blok
- Én p-plads pr. bolig

Byggefelt 6:

- Boliger
- Bygningshøjde, max: 13 m
- Etager: 2-3
- Én p-plads pr. bolig

Byggefelt 7:

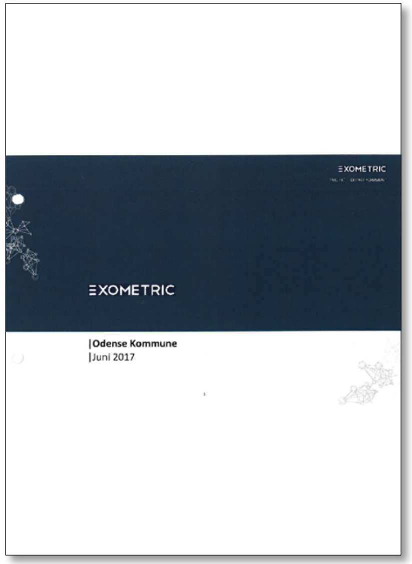
- Plejehjem – lukket randbebyggelse
- Bygningshøjde, max: 10 m
- Etager: 2
- Min. 70 p-pladser
- Ophold min. 37%

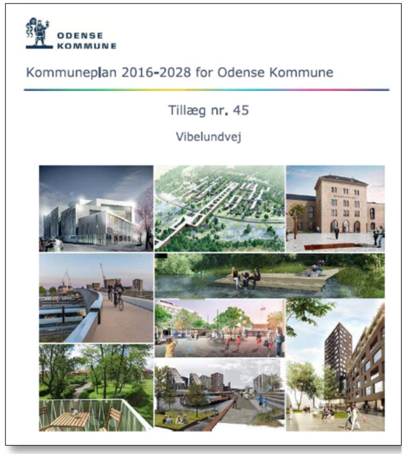
Byggefelt 8:

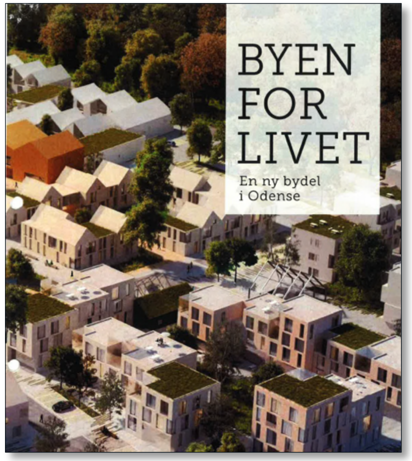
- Boliger
- Bygningshøjde, max: 10 m
- Etager: 2
- Én port er en mulighed
- Én p-plads pr. bolig

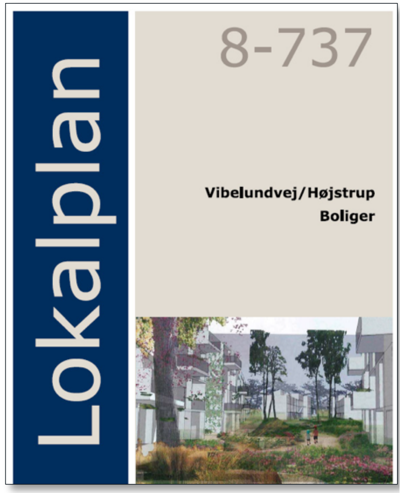
Byggefelt 0

- Boliger
- Bygningshøjde, nord 17m af 4 etager
- Bygningshøjde, syd 8m af 2 etager

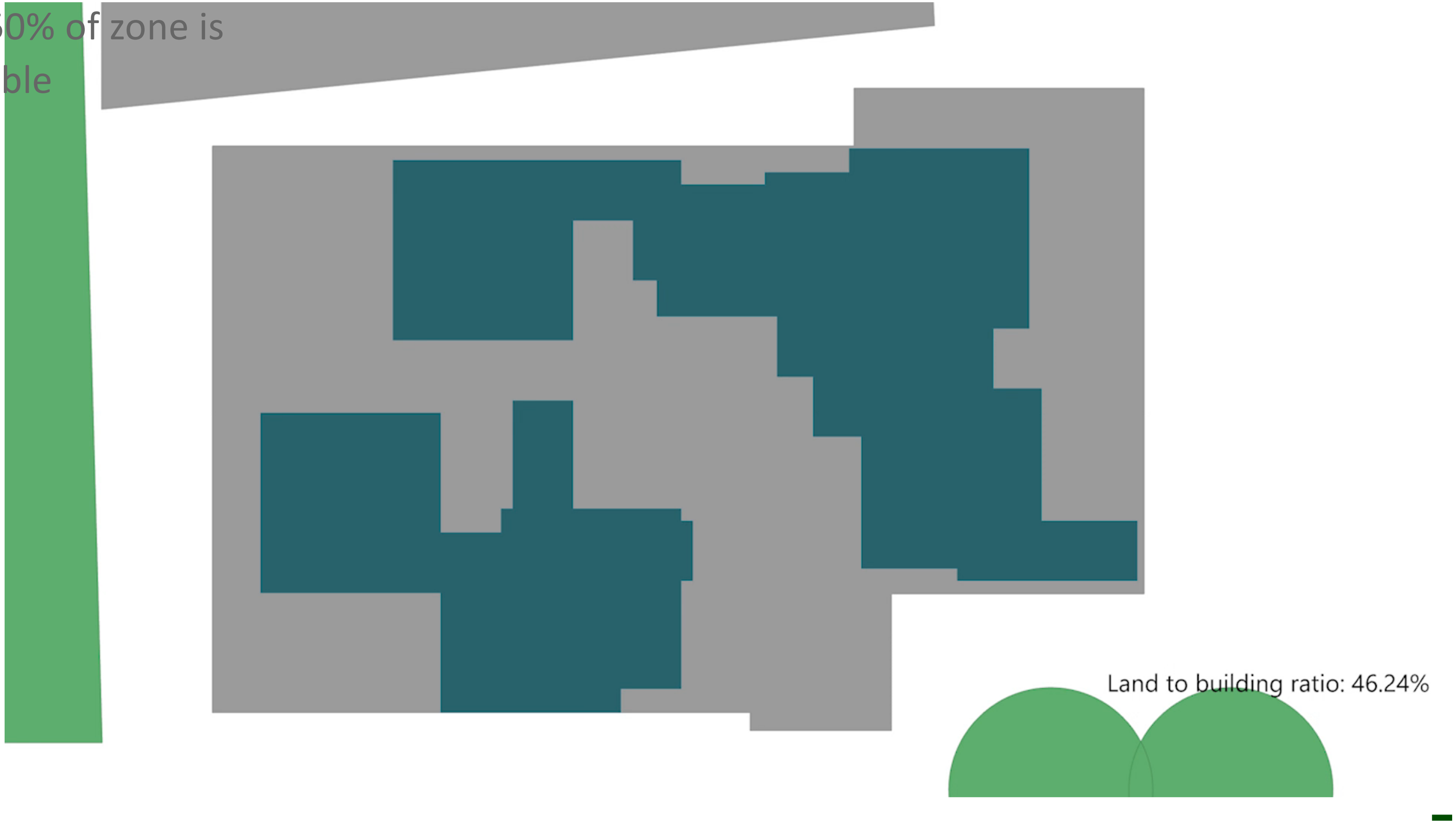


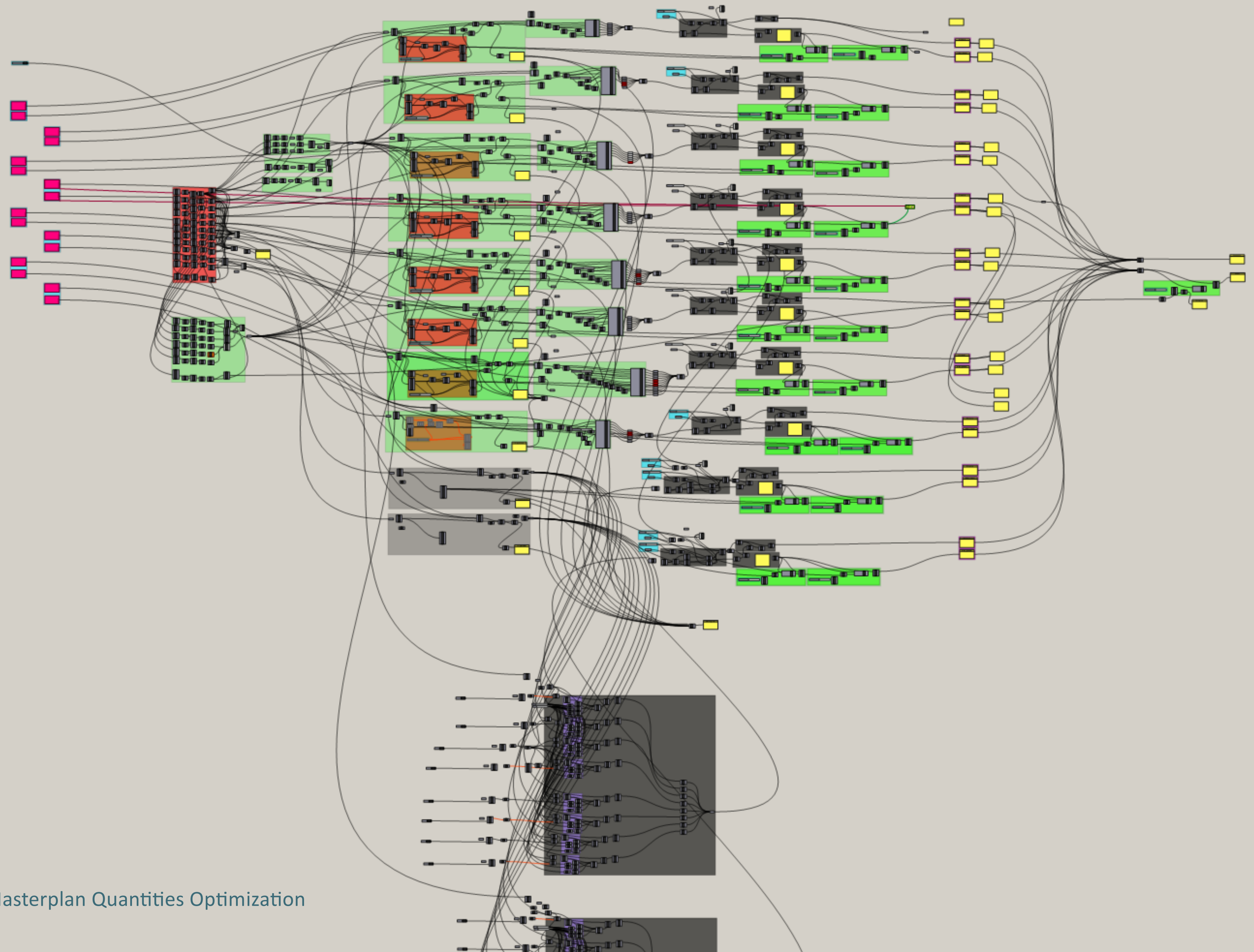


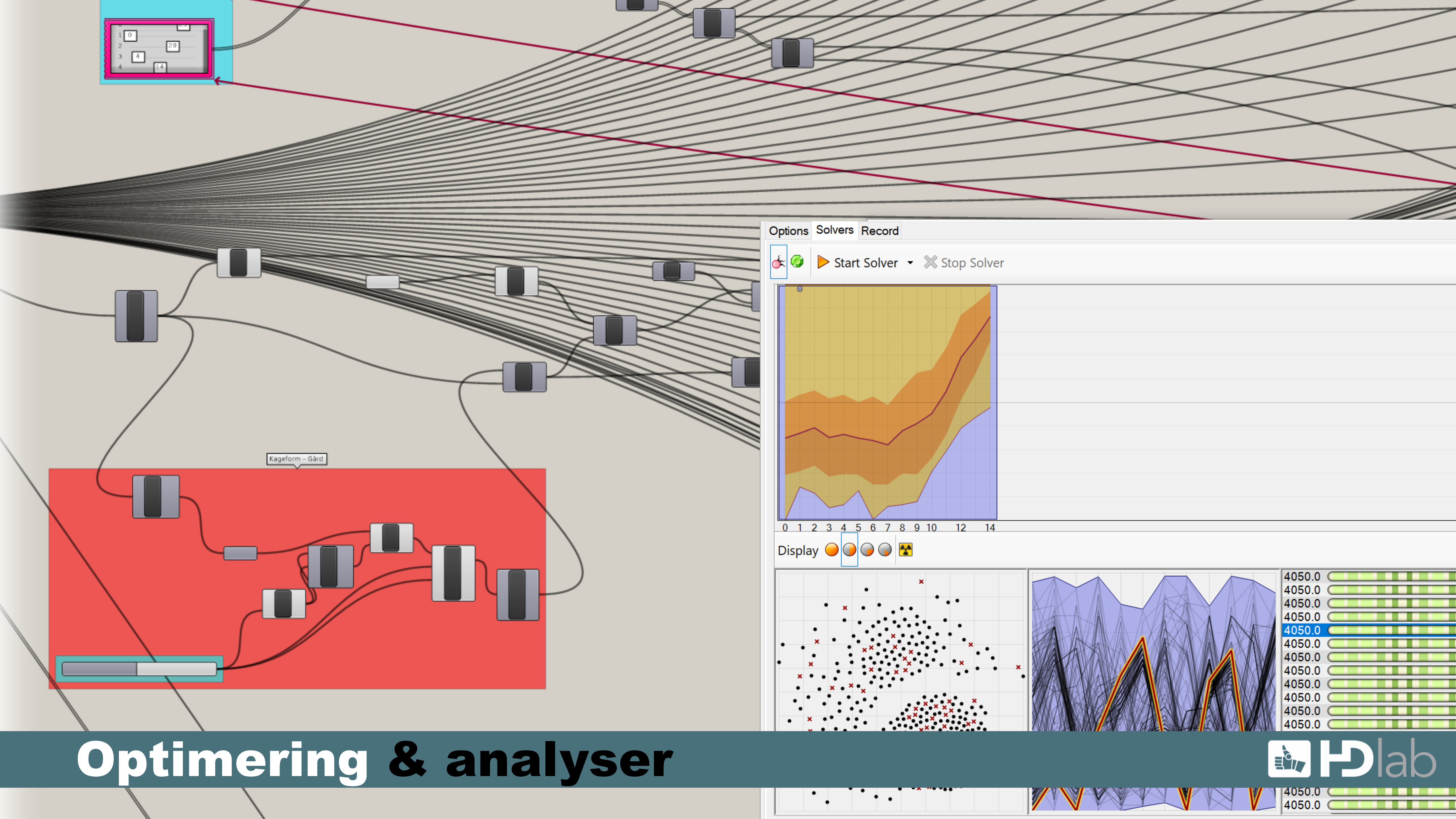




Only 50% of zone is buildable

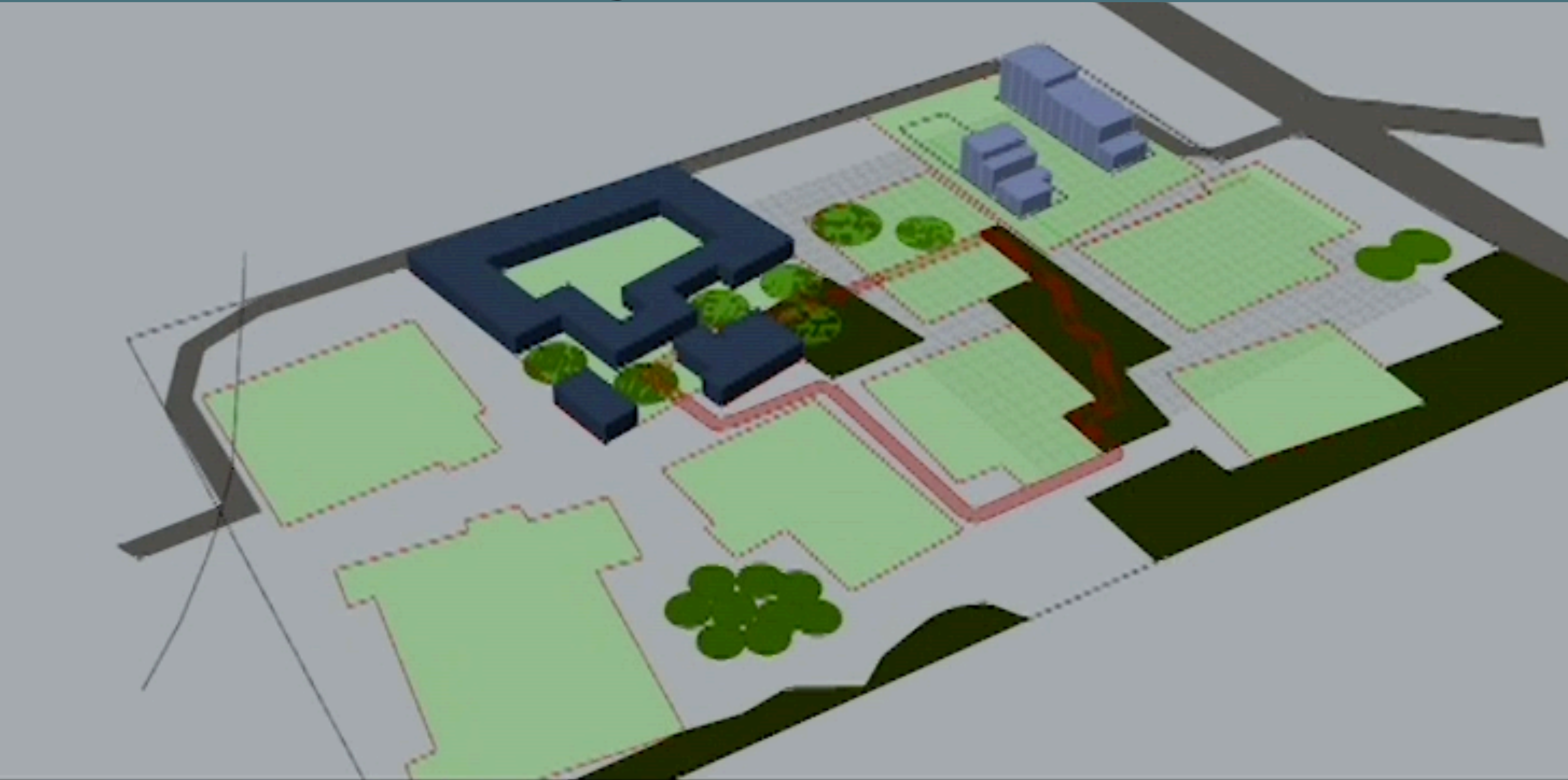


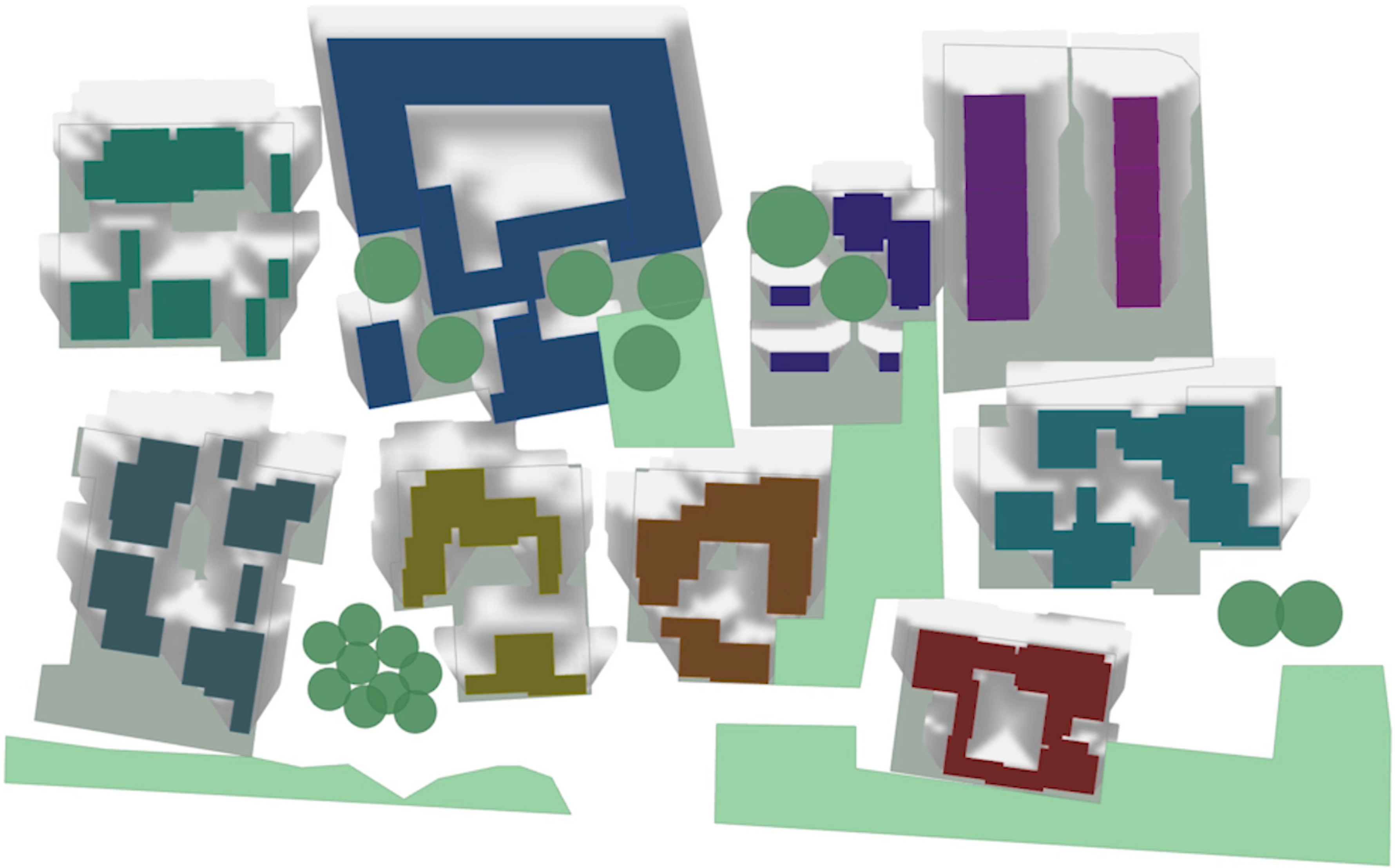




Optimering & analyser

Maximal areal udnyttelse

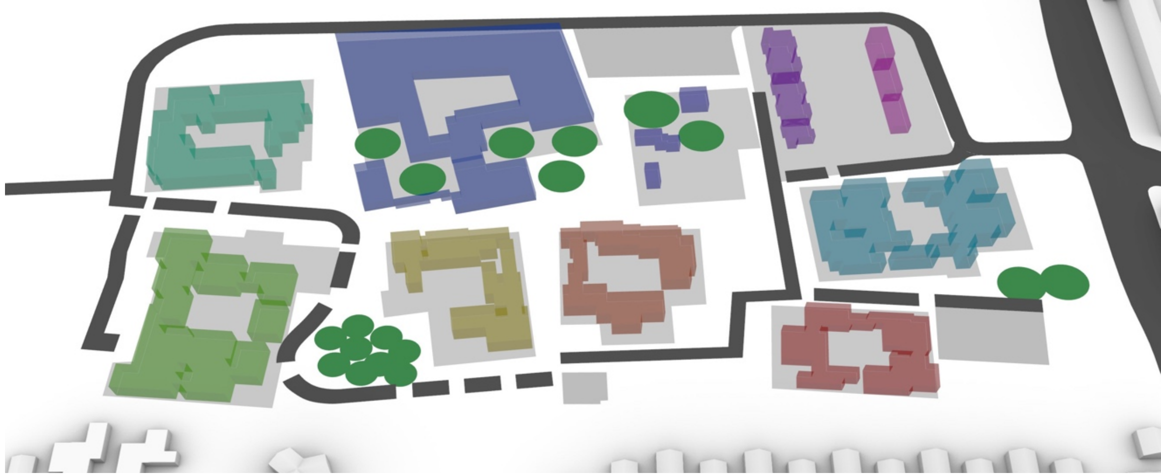
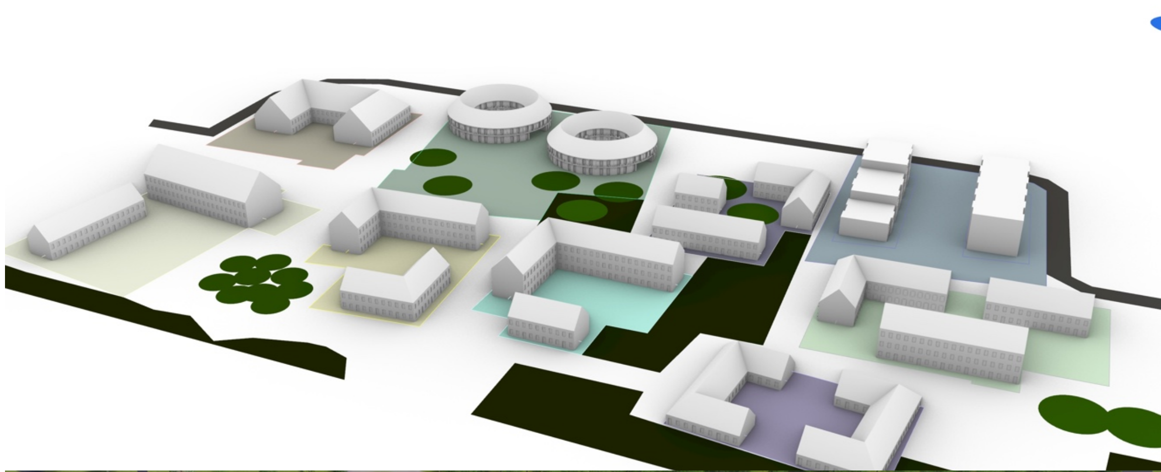




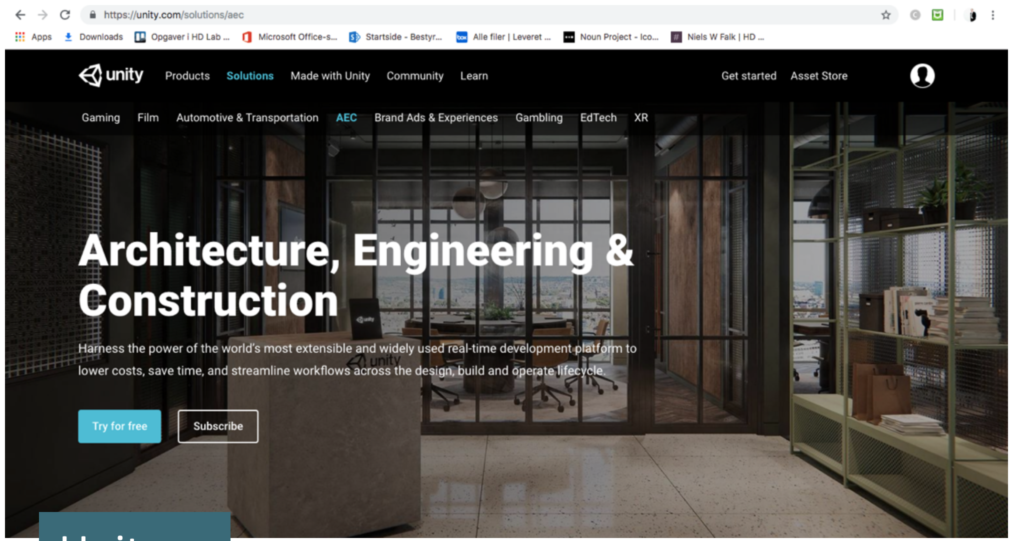
Area: m2

Vol: m3

Overshadow: m2


Kortbilag 2 til lokalplan nr. 8 - 861
Fremtidige forhold
6
Vibelundvej
61,226m
B7
B6
B8
F3
52
B5
B4
B3
B1
F2
B2
F1
5,75cm
123,67m
Bystævnevej
Rismarksvej
Brørupvænget
Ivarsvej
Bjarkevej
0 20 40 60 80 100 m
Eksisterende bebyggelse
Skov
Levende hegn
59, 107, 121
1 cm = 21,5 m
1 mm = 2 m




Nye AEC virksomheder, der er på vej frem...



Unity

Katerra

WeWork

CANVAS

HDlab