

«0

NATURLIGVIS

Snøhetta v. Tine Hegli

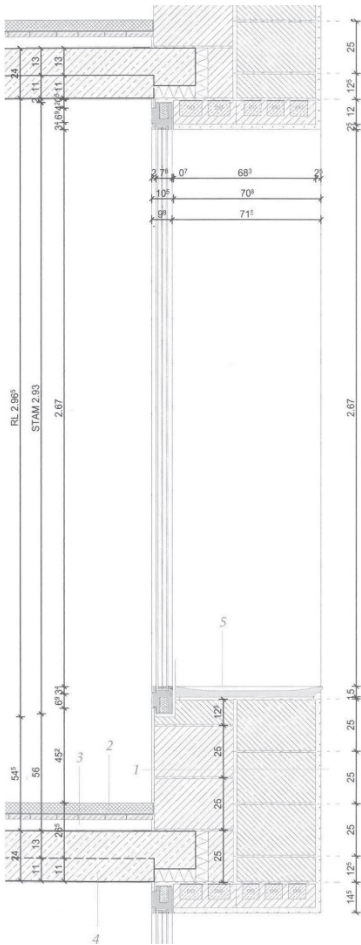
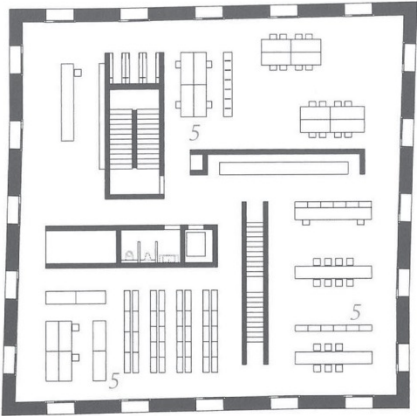
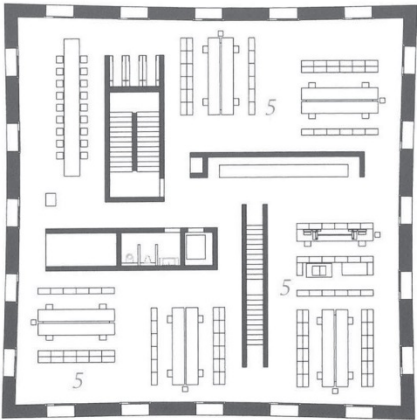
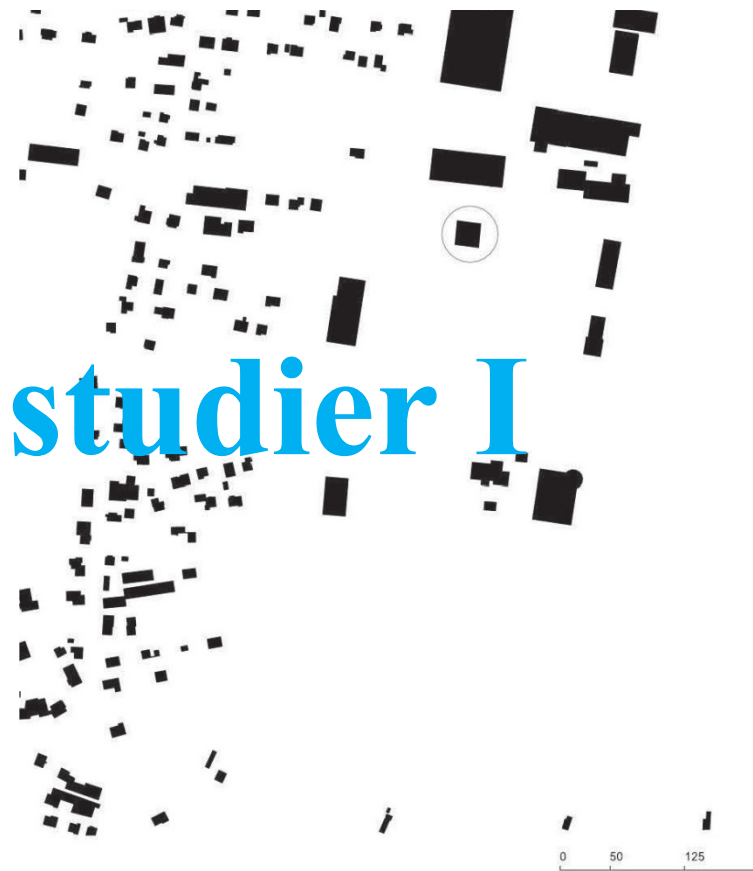


2226 Lustenau | konsept "triple zero"

2226

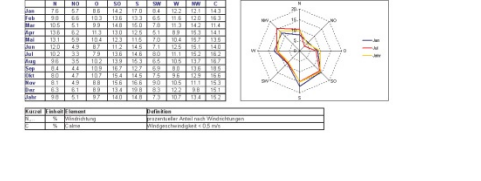
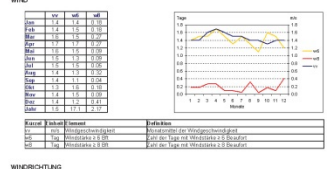
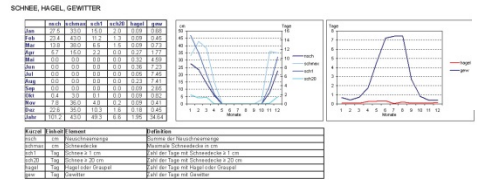
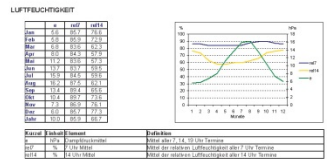
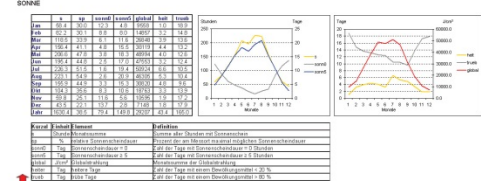
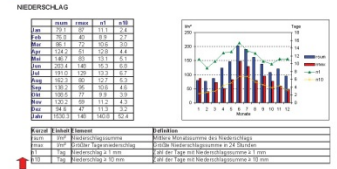
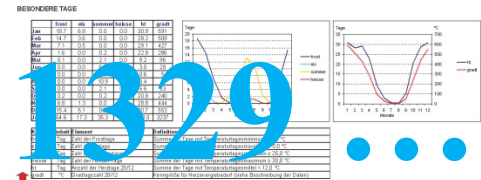
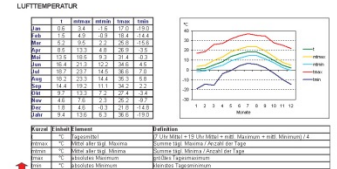
Arkitekt: Baumschlager Eberle

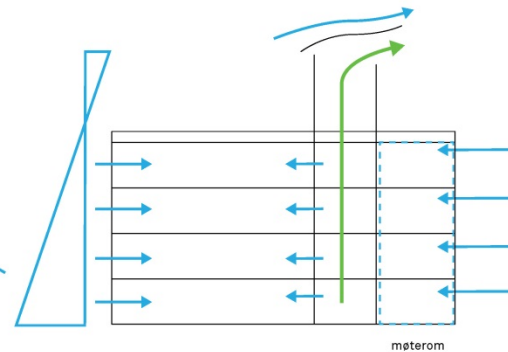
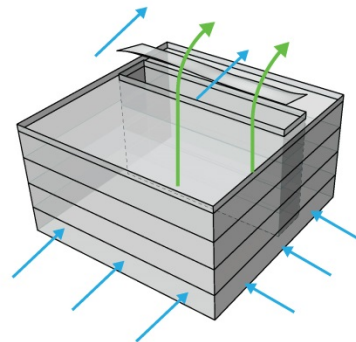
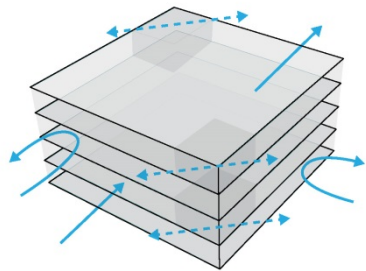




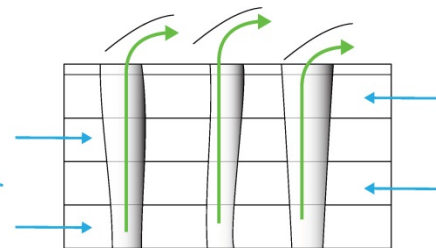
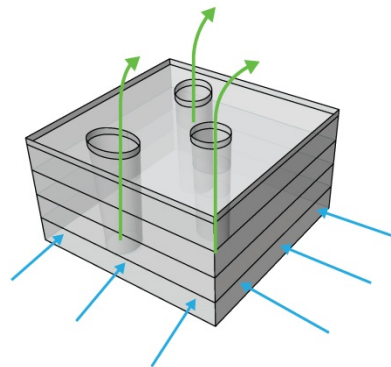
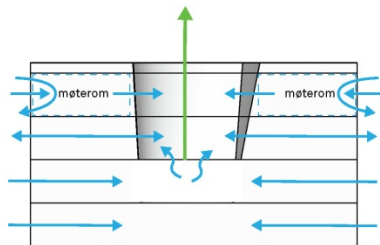
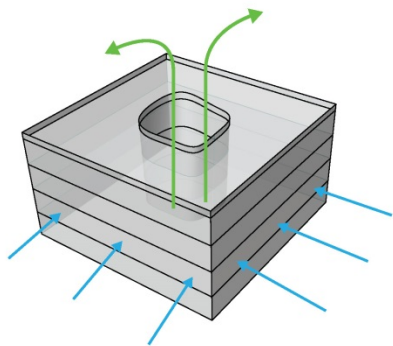
2226 Lustenau + Kjørbo | konsept “triple zero”

Station: Børstebak geogr. Länge: 9° 45' geogr. Breite: 47° 30'	Bjergene 424 m	Dokumentnr.	Lufteinströmung	Windrichtung	Windgeschwindigkeit	Windrichtung	Windgeschwindigkeit

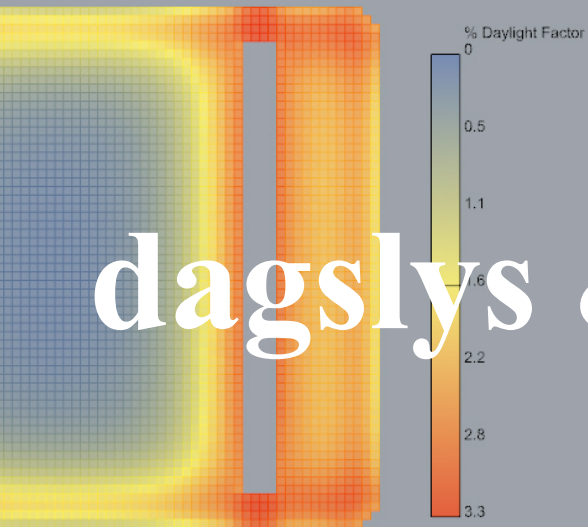




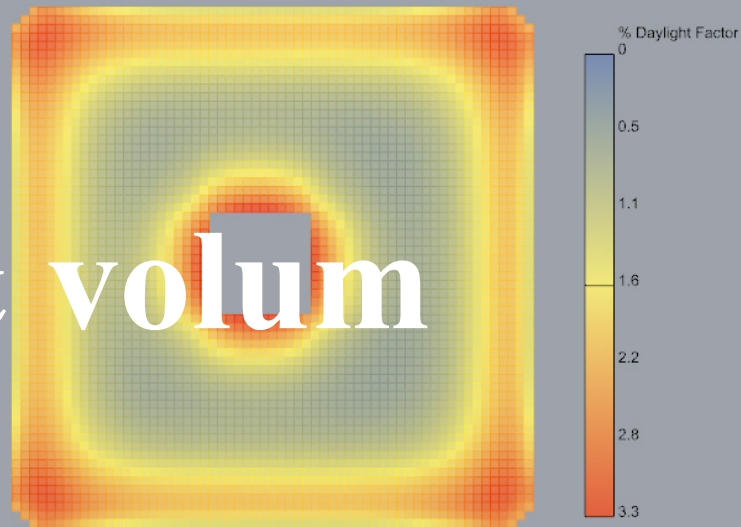
ventilasjon & volum



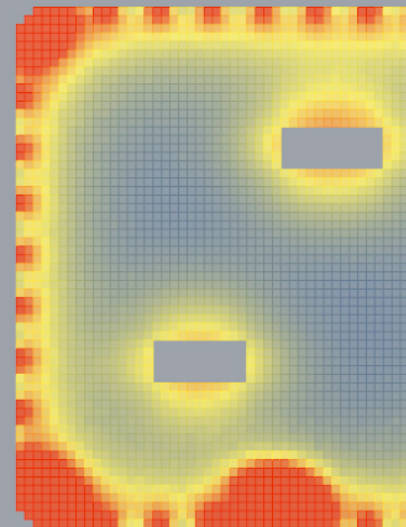
dagslys & volum



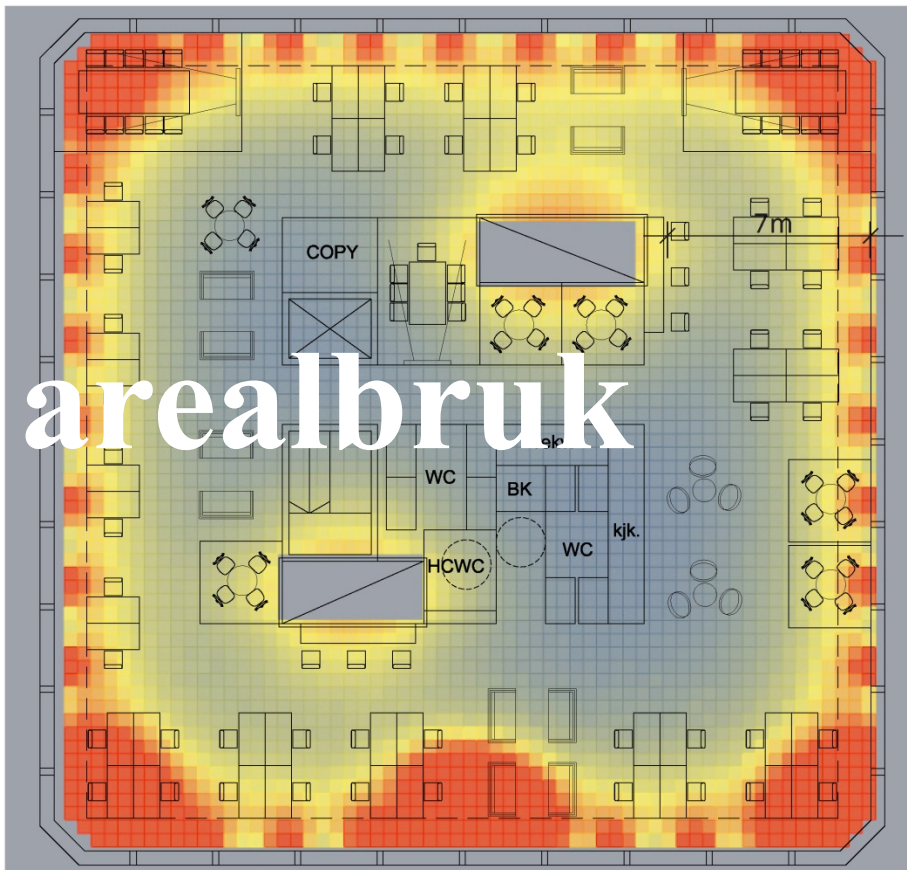
nodegroup01: Mean Daylight Factor = 1.38 %
nodegroup01: 99.9% of Area between 0 & 3.3
nodegroup01: 0.1% of Area > 3.3 %; 0% of Area < 0 %



nodegroup01: Mean Daylight Factor = 1.52 %
nodegroup01: 99.7% of Area between 0 & 3.3
nodegroup01: 0.3% of Area > 3.3 %; 0% of Area < 0 %



nodegroup02: Mean Daylight Factor = 1.52 %
nodegroup02: 89.5% of Area between 0 & 3.3
nodegroup02: 10.5% of Area > 3.3 %; 0% of Area < 0 %



1m avstand til fasade

Internal korridor + 2 x atriumssja
(alt. trapp forb.)

44 fast arbeidsplasser

3 møterom (2 store - 20 pers)

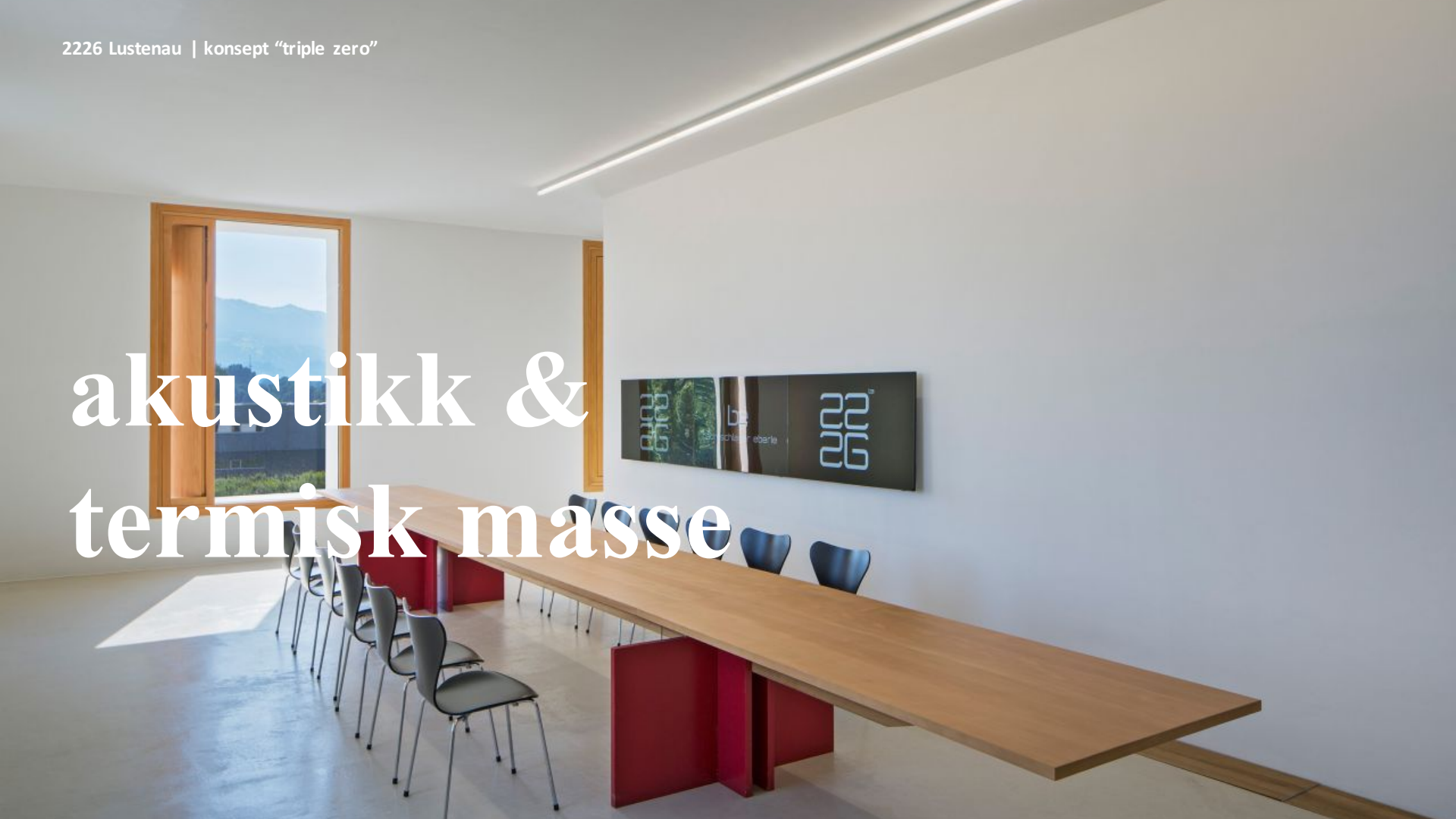
5 mindre grupperom 20 pers)

4 wc x2 + HC

26 touchdowns

maks 110 pers.

akustikk & termisk masse



Mesterfjellet skole - Larvik | naturlig ventilasjon

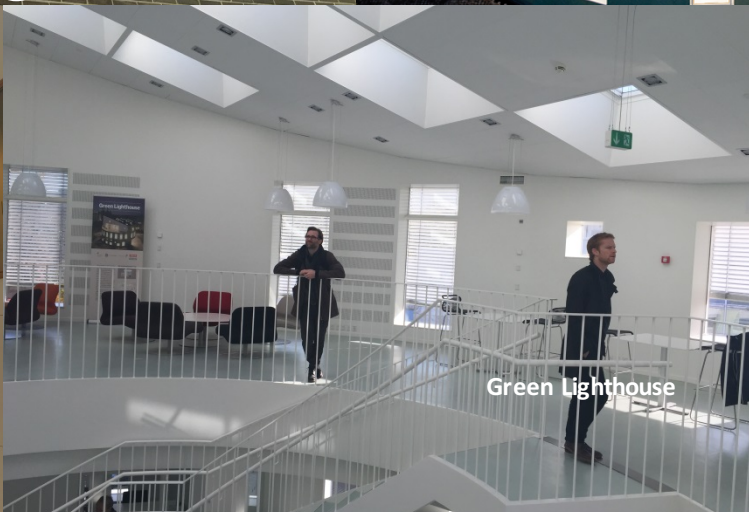
studier II

Arkitekt: Cebra / SPINN / Various Architects

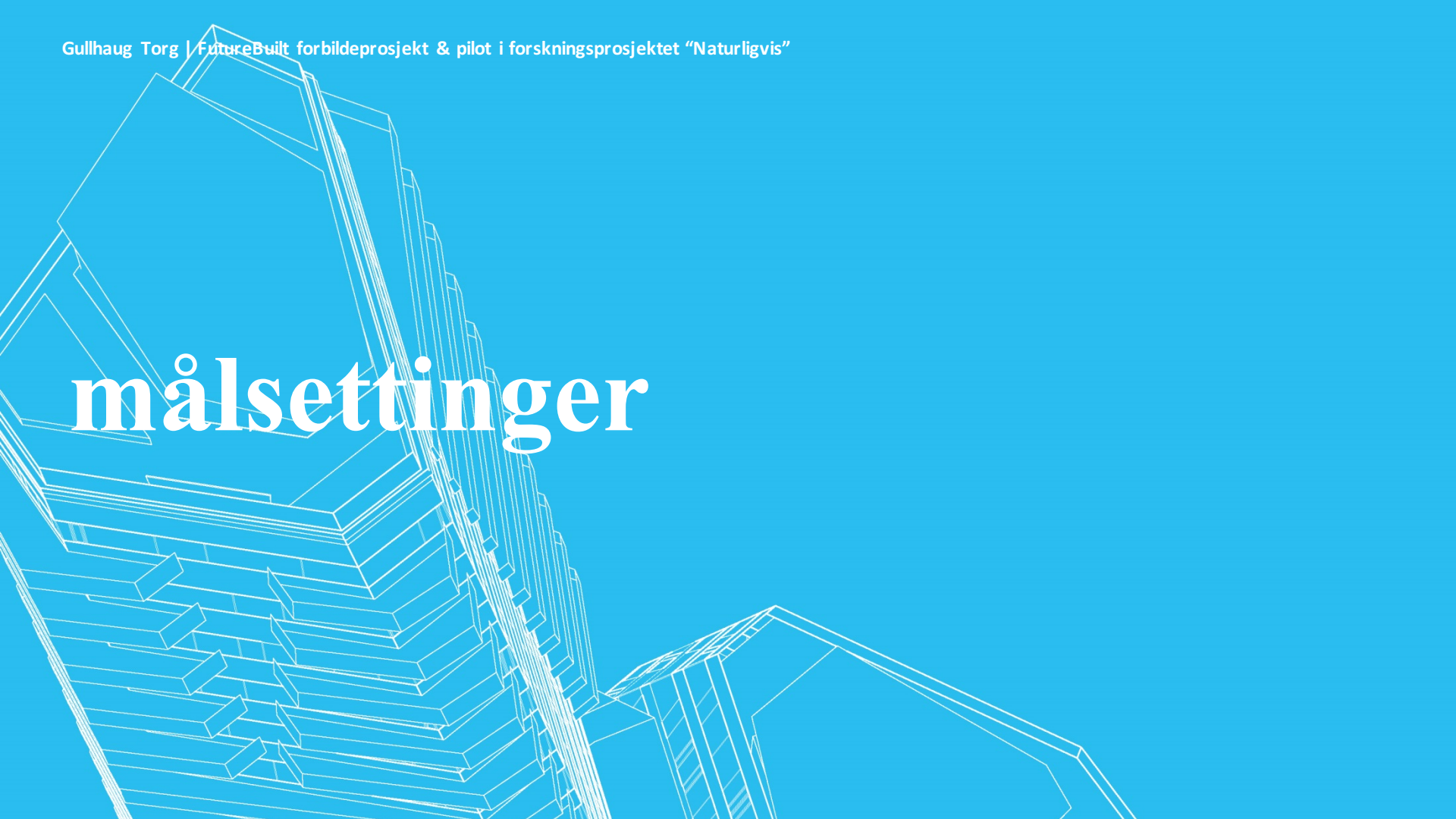


København | naturlig ventilasjon

studier III



målsettinger



målsettinger

Bærekraftig arkitektur og systemdesign

- Enklere drift
- Lavere vedlikeholdsbehov
- Lavere behov for utskiftninger/leietakertilpasninger
- Lengre levetid
- Bedre totalopplevelse for brukeren

«Triple-Zero»

< 0 kWh kjøpt energi til:

- Ventilasjon
- Oppvarming
- Kjøling

FutureBuilt forbildeprosjekt

50% samlet reduksjon av CO2 utslipp fra materialer, transport og energi, sammenlignet med referansebygg.

Totalt energiforbruk på nær-nullenergi nivå (FutureBuilt definisjon 2016)

designteam

SKANSKA Snøhetta 

 SINTEF

BREKKE  STRAND

Fokus
RÅDGIVNING

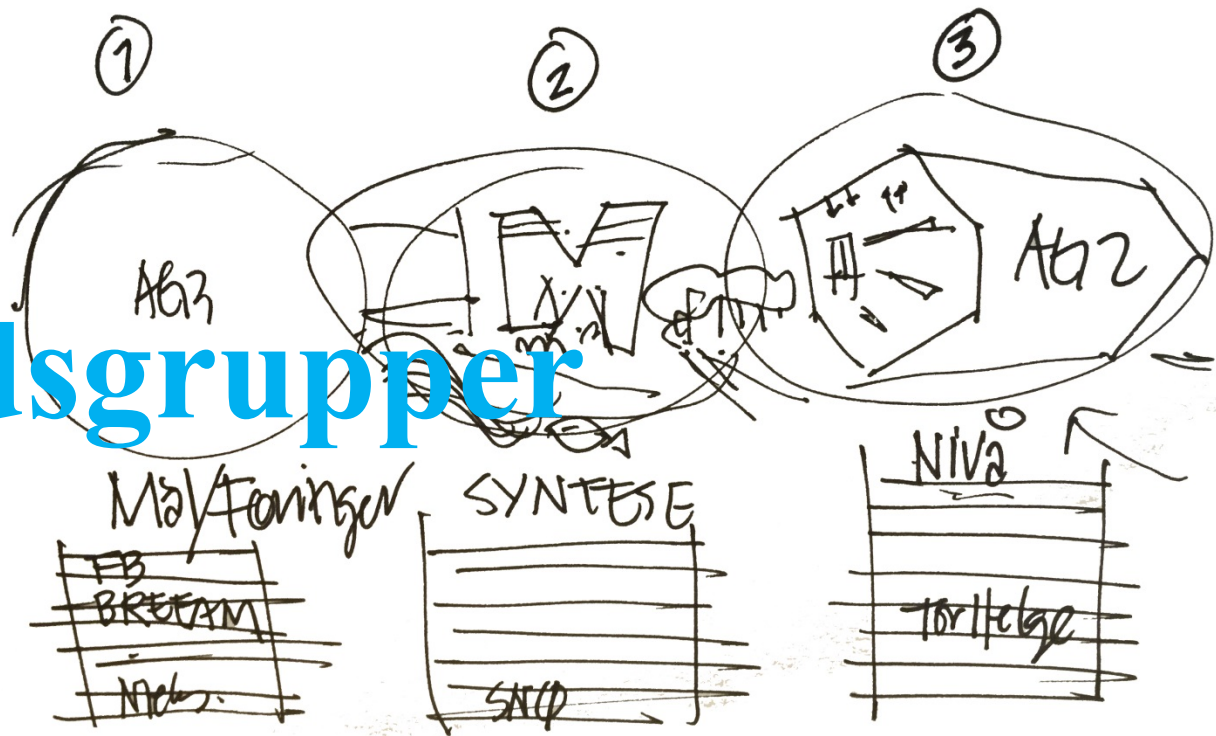
 erichsen
horgen

H&T AS
HEIERBERG & THETTER
INGENIØRTEKNIKK

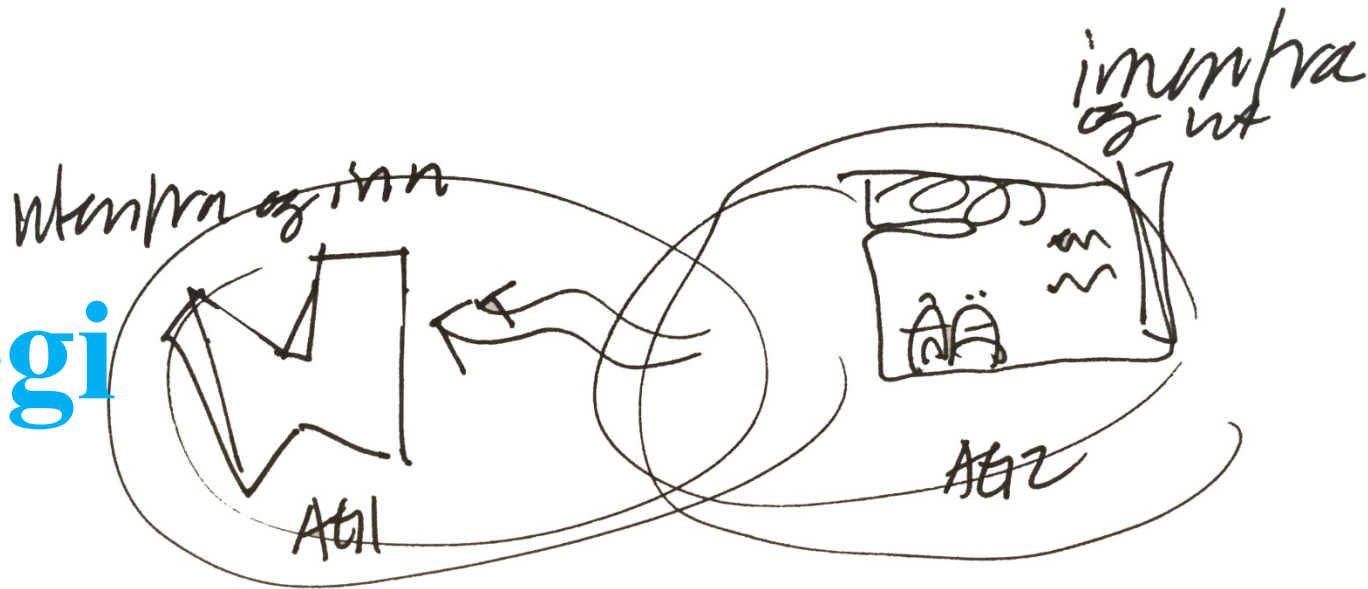
 Window
Master.
Natural Ventilation

FUTURE
BUILT

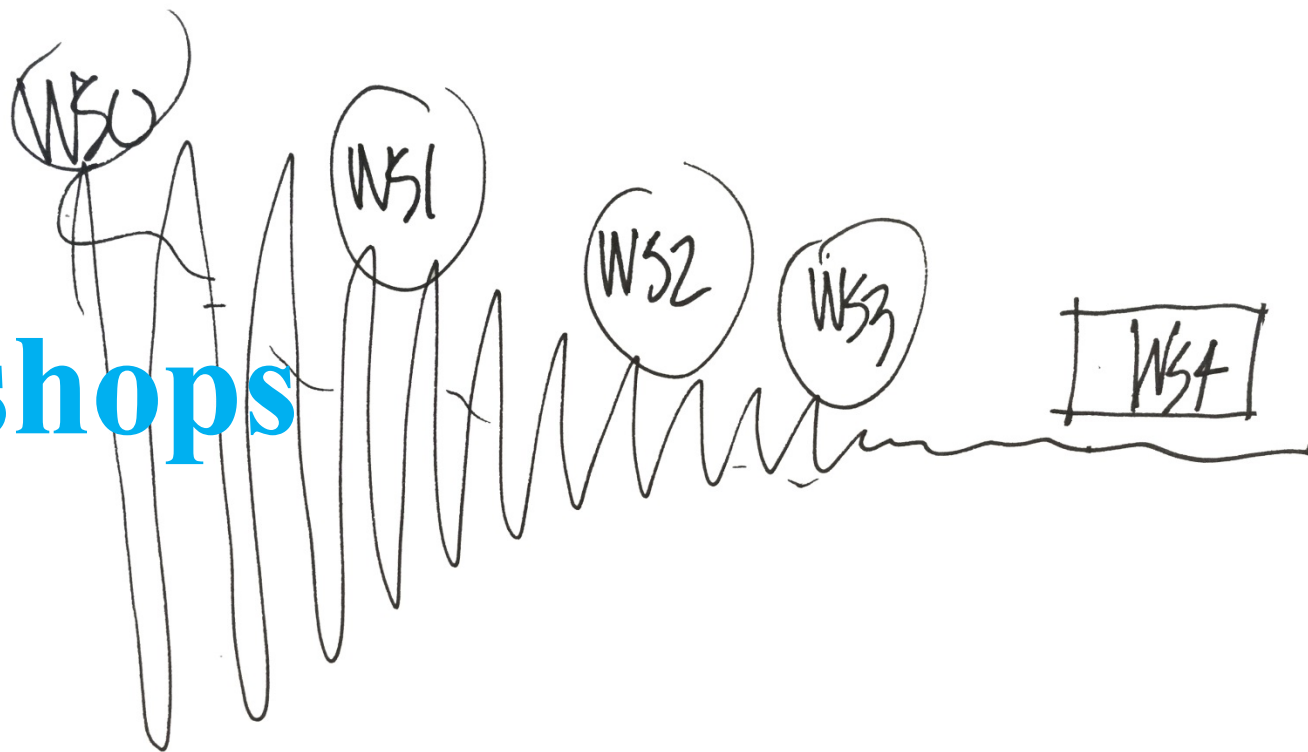
arbeidsgrupper



strategi



workshops



debatt

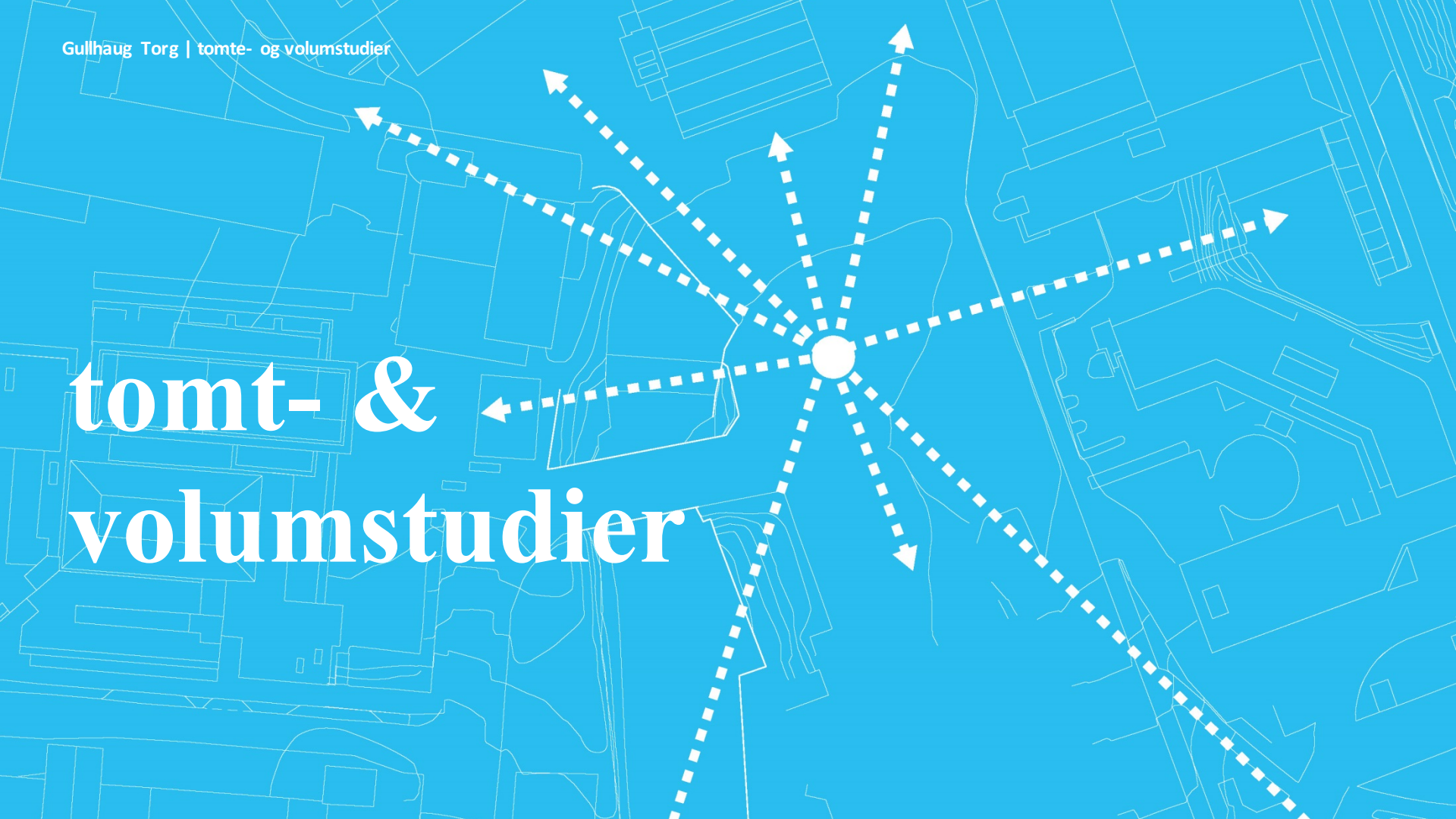
"LUFTSLOTTET"

BYSTE 2 VIFTE

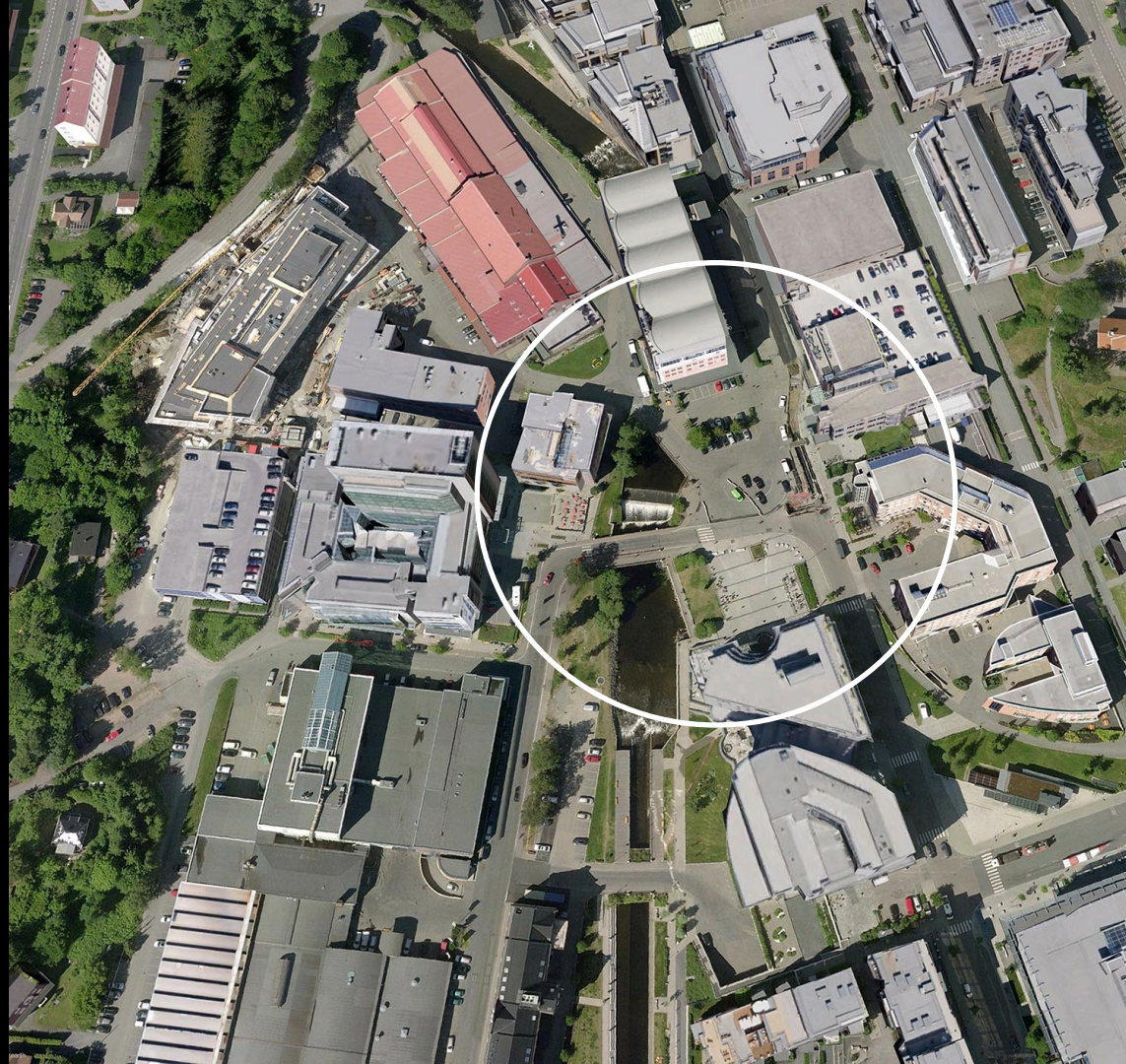
Amkell Refusen



tomt- & volumstudier

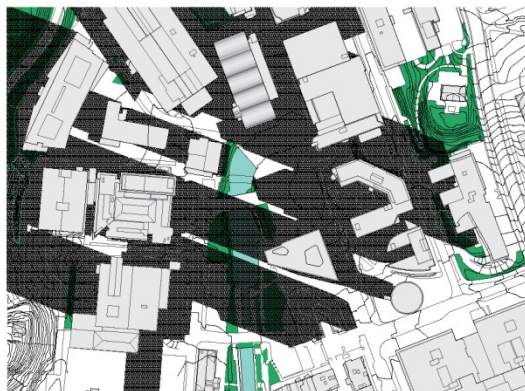


Nydalen + | Gullhaug Torg

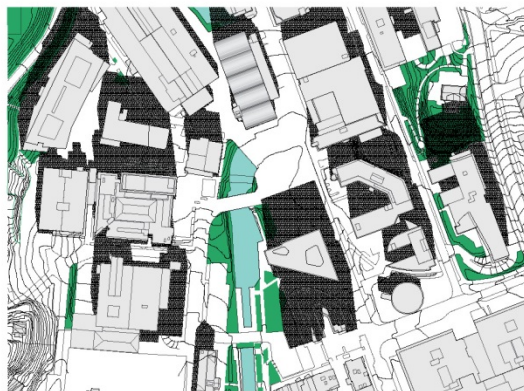




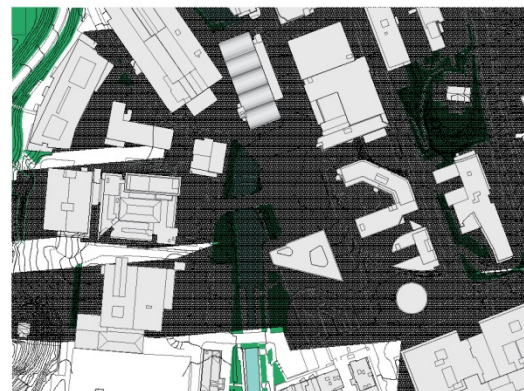
Gullhaug Torg | sol- og skyggestudier



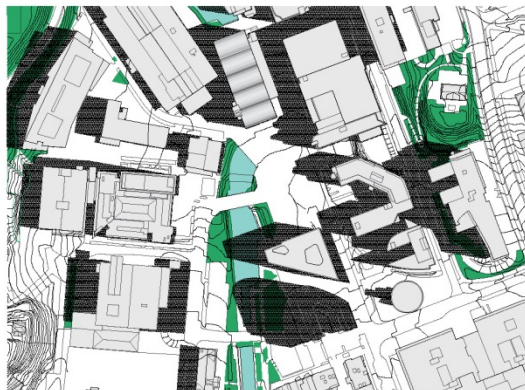
21.03 kl 08:00



21.03 kl 12:00



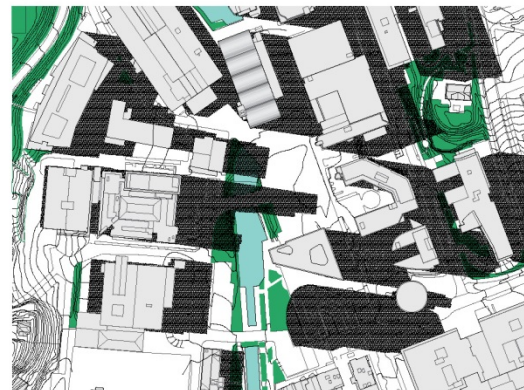
21.03 kl 18:00



21.06 kl 08:00

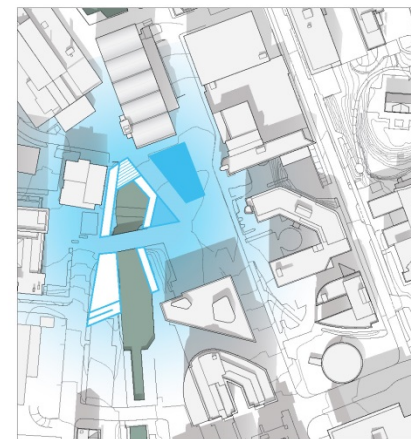
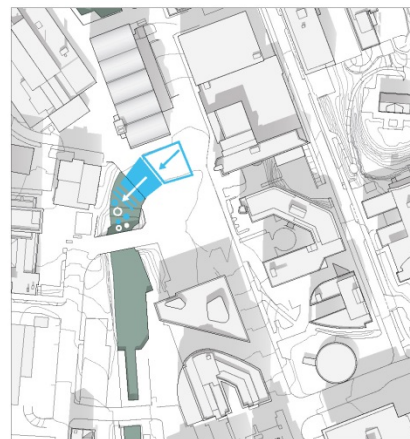
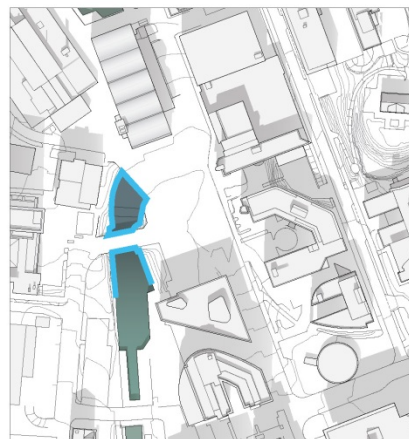
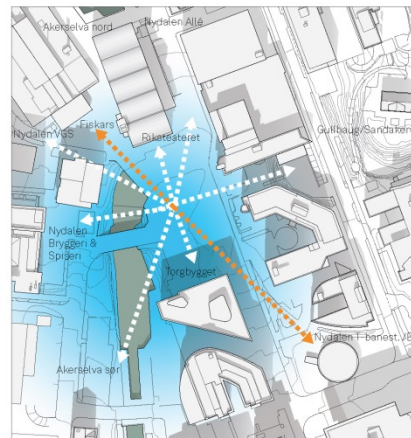
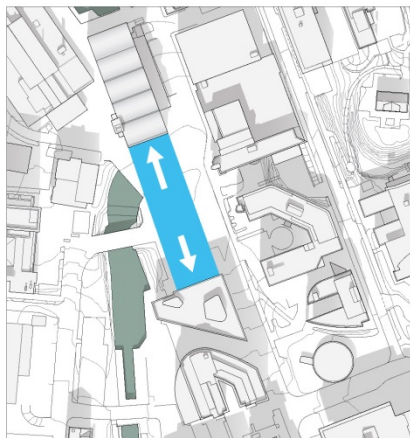


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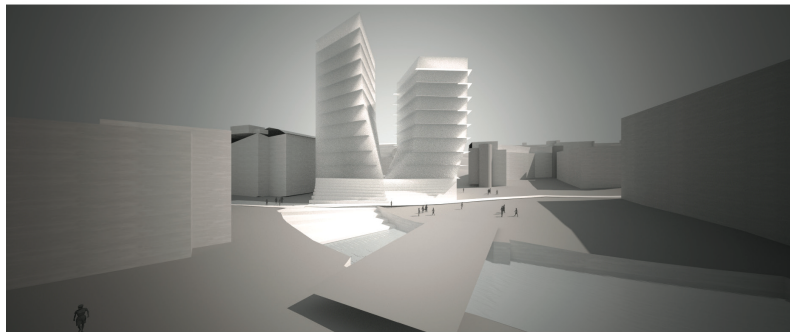


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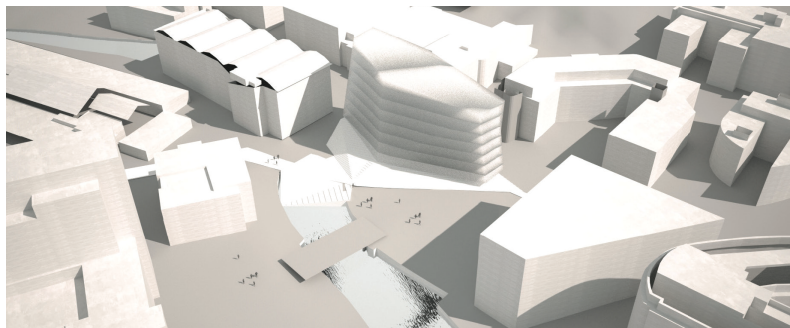
Gullhaug Torg | byrom og forbindelser



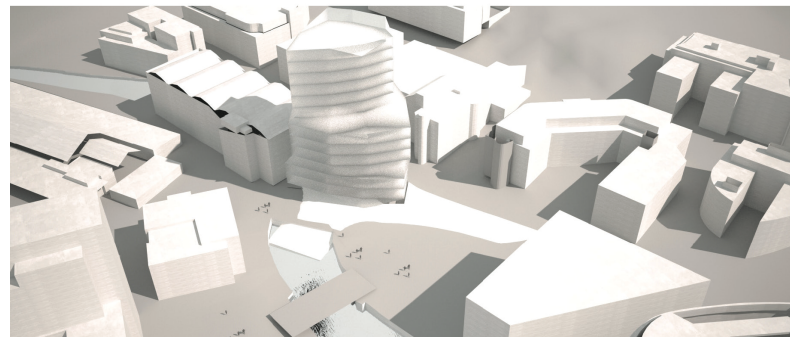
Gullhaug Torg | program og volumstudier



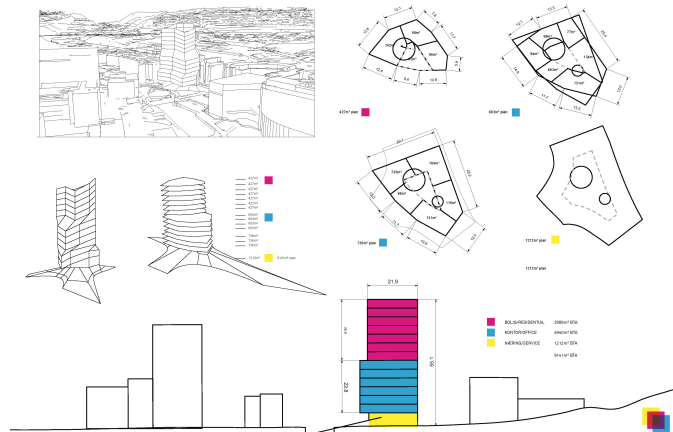
Volum: To Tårn
 Totalt areal: 9500 m²
 Etasjetall: 11 og 13
 Amfi / plint over to etasjer



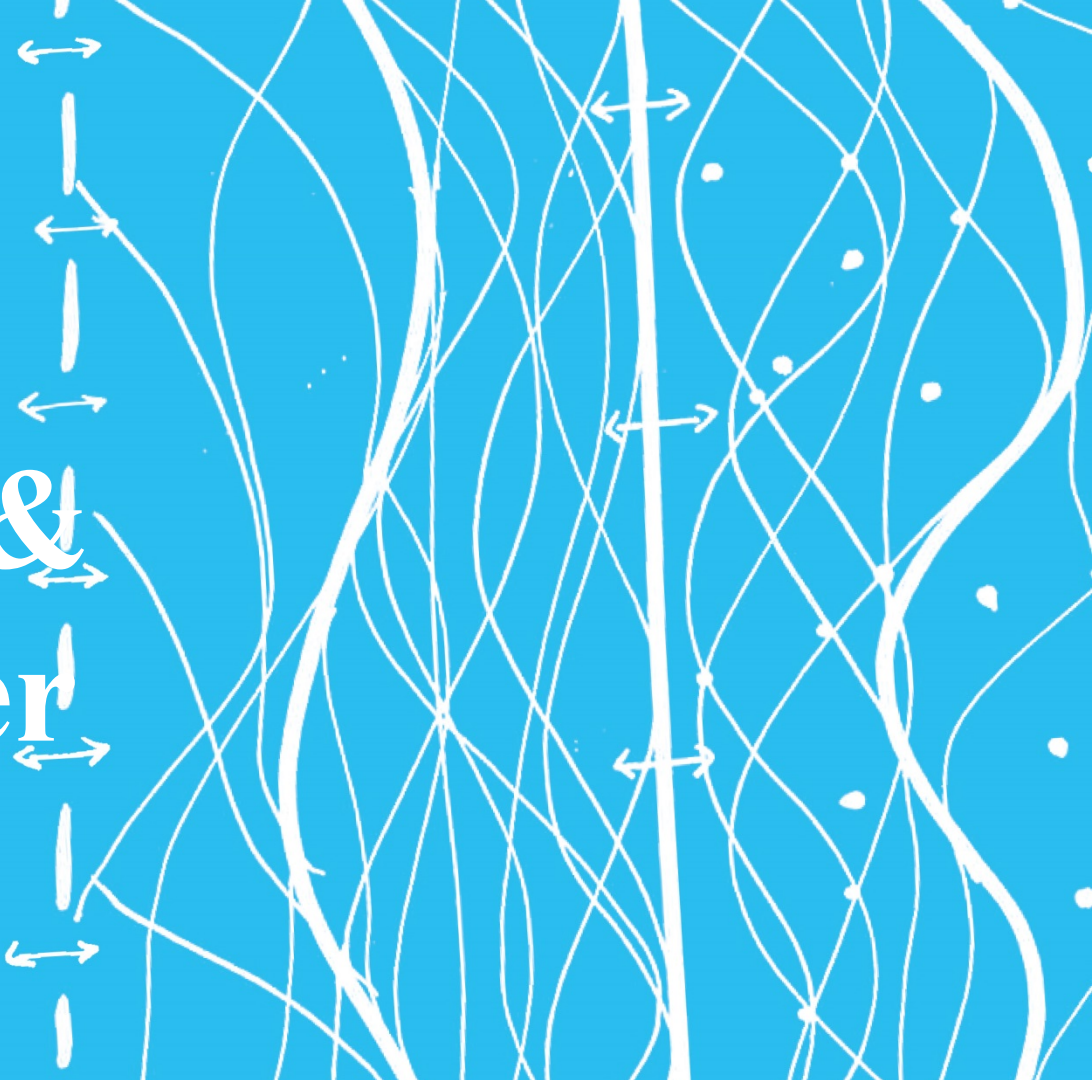
Volum: Triangel
 Illustrasjon fra sydvest

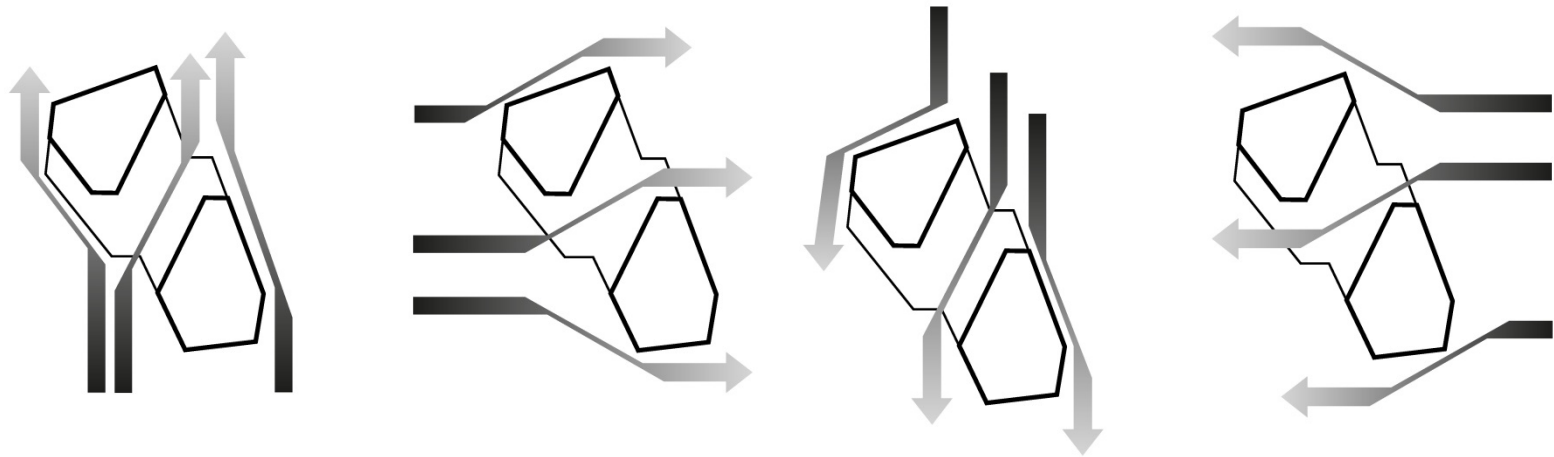


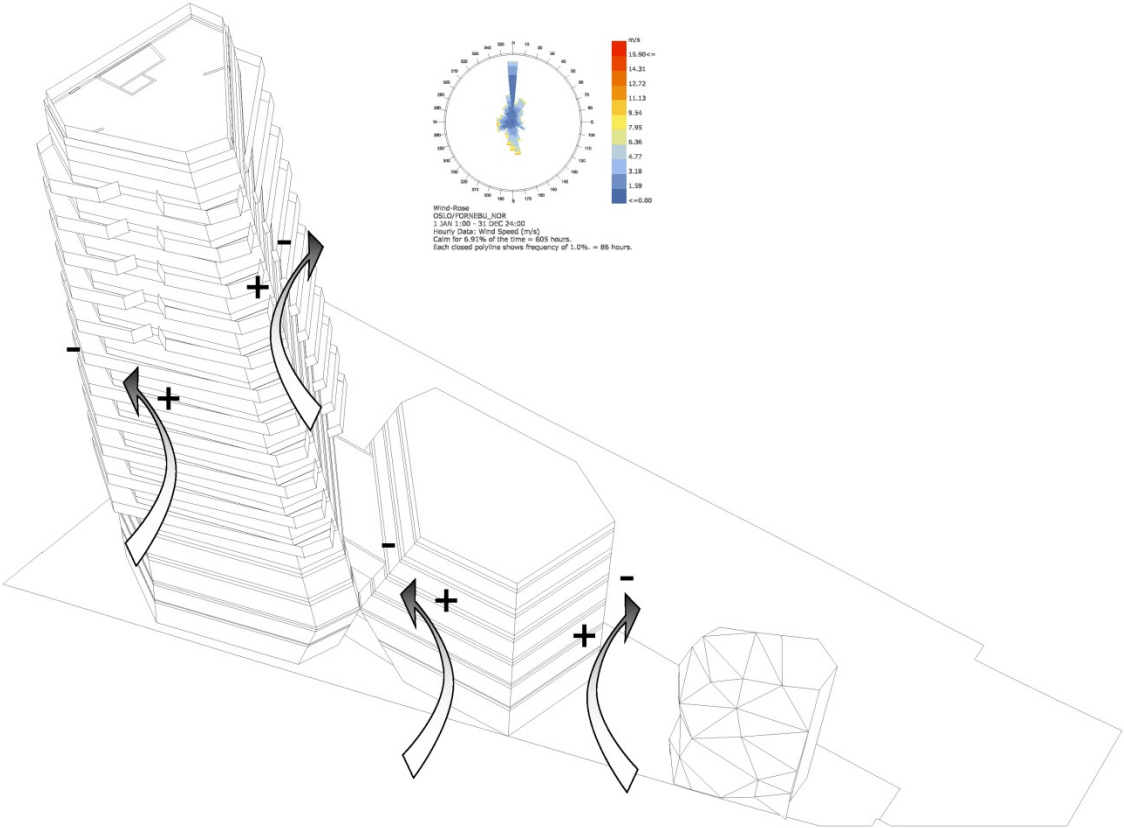
Volum: Morph
 Illustrasjon fra sydvest



ventilasjon & volumstudier



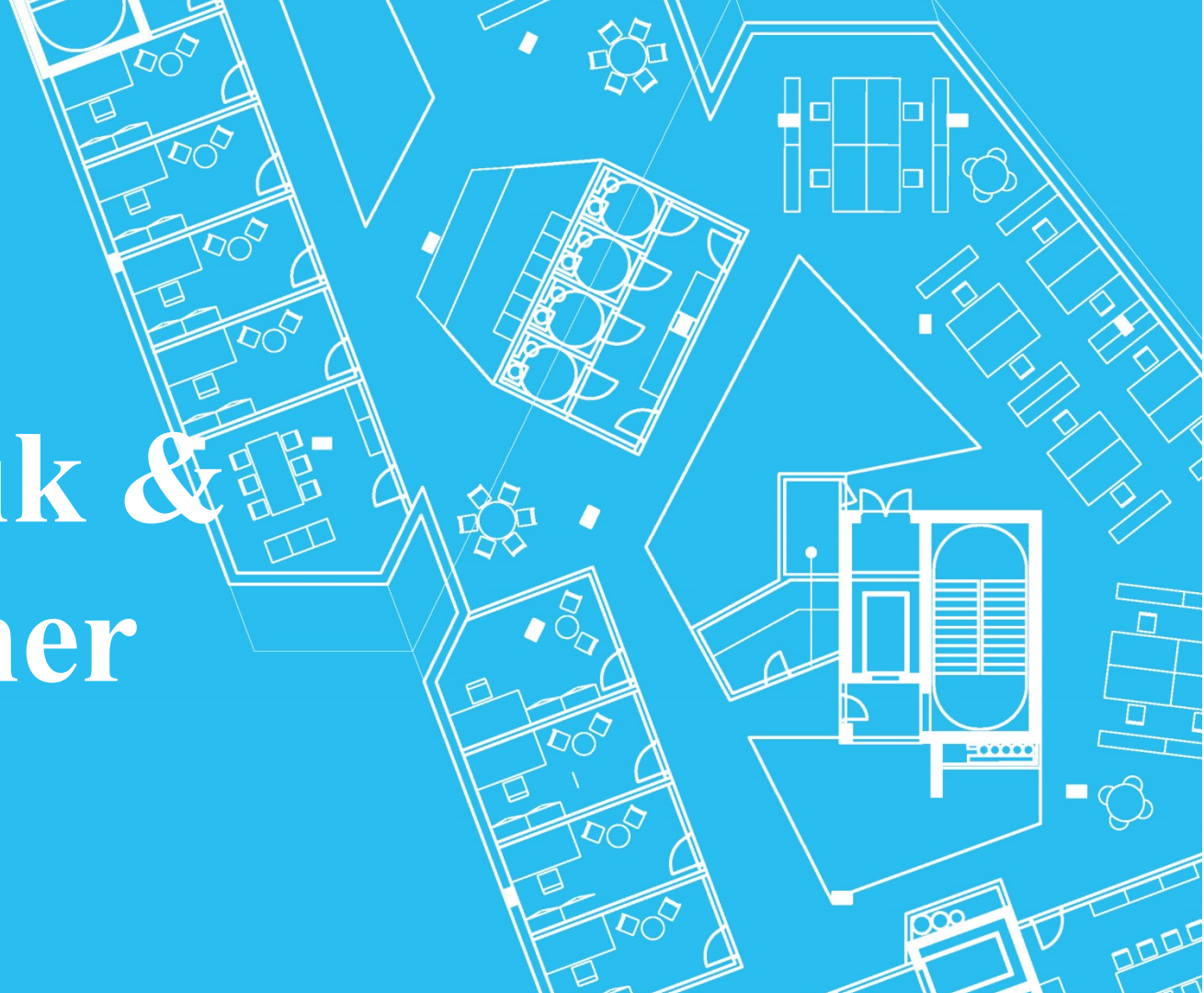




Gullhaug Torg | volumestudier



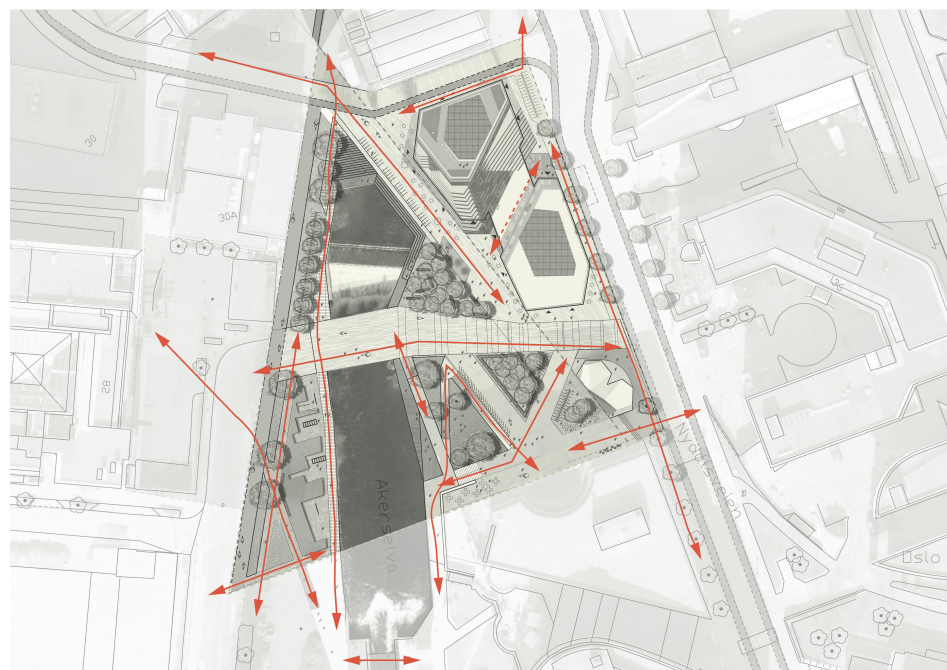
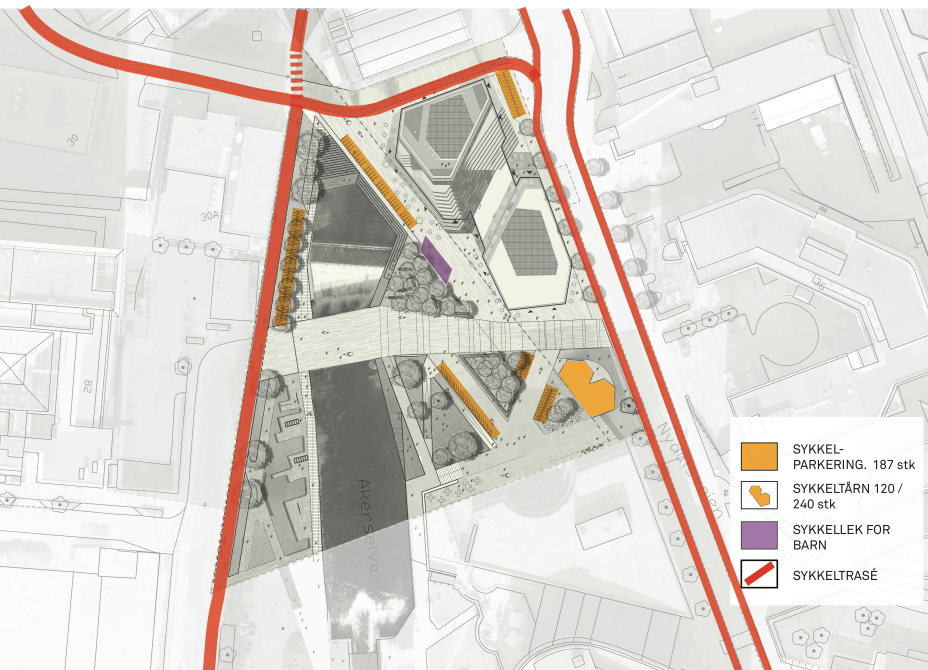
arealbruk & funksjoner



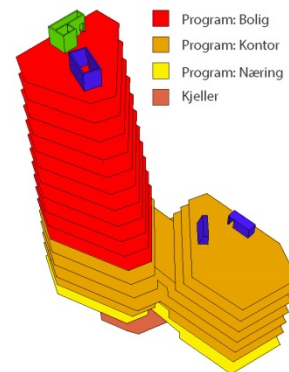
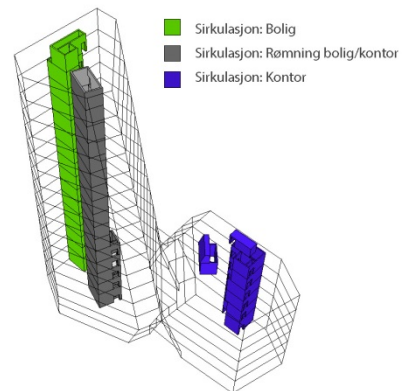
Gullhaug Torg | landskapsplan

FISKARS TORG



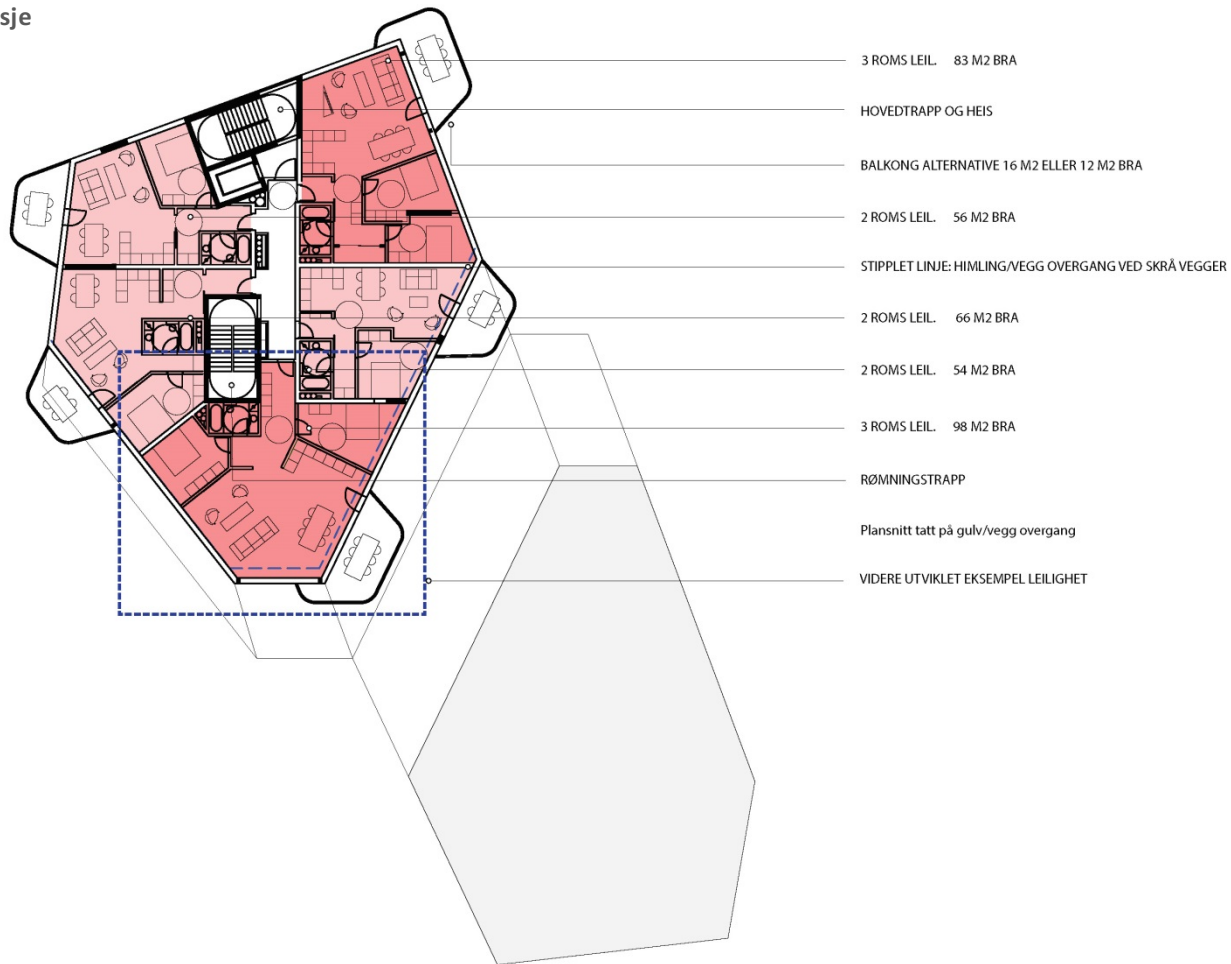


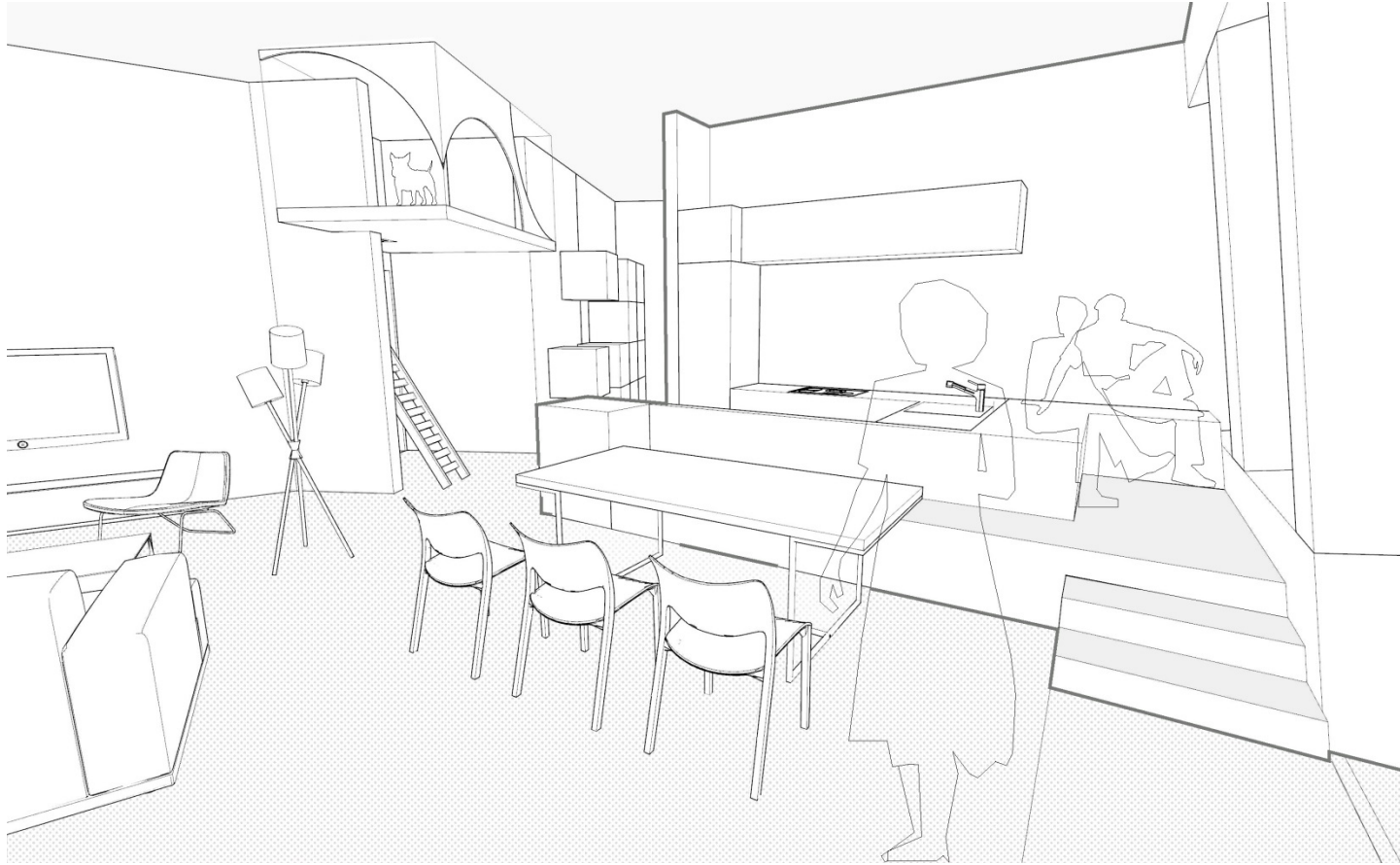
Gullhaug Torg | byggeprogram

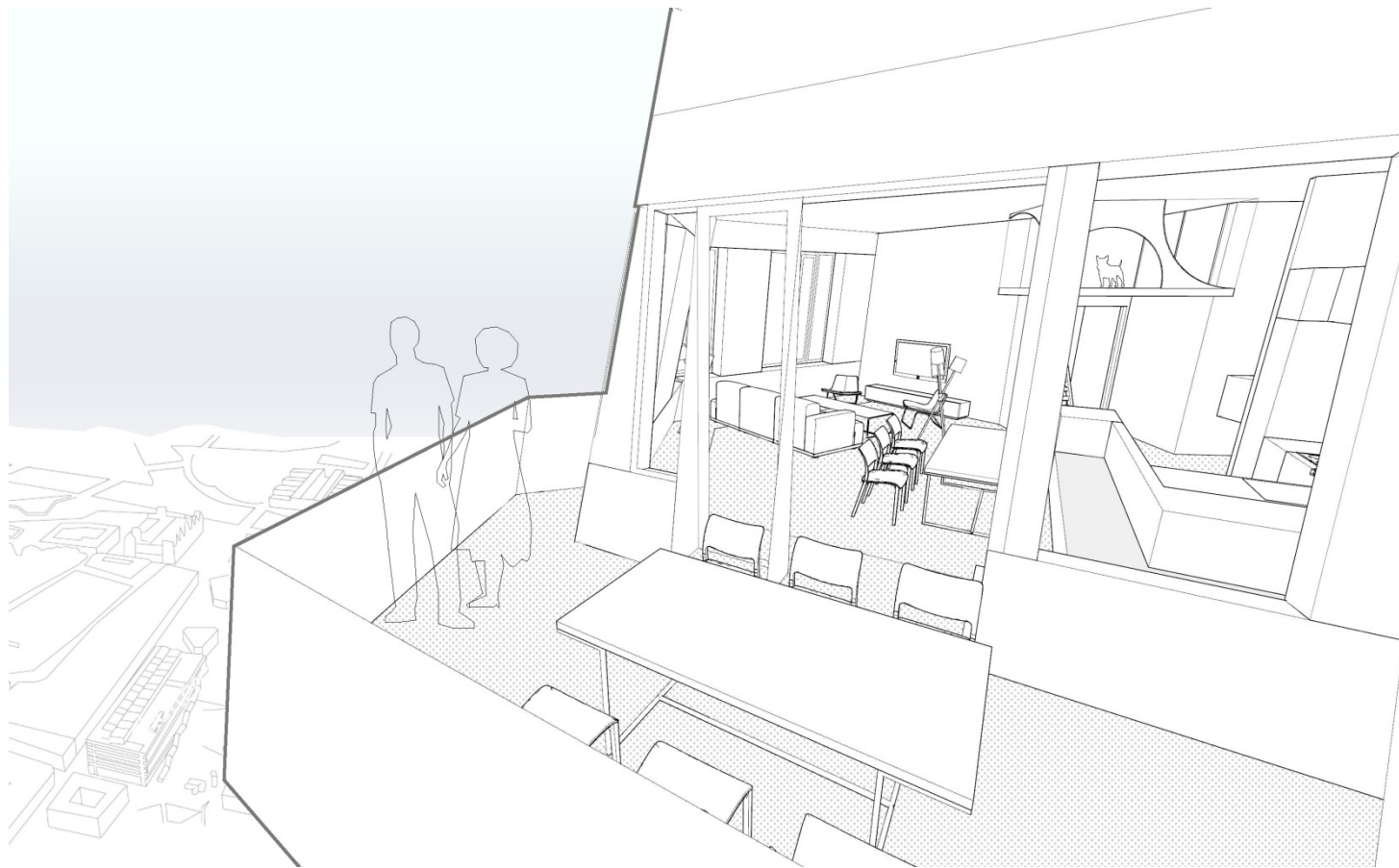


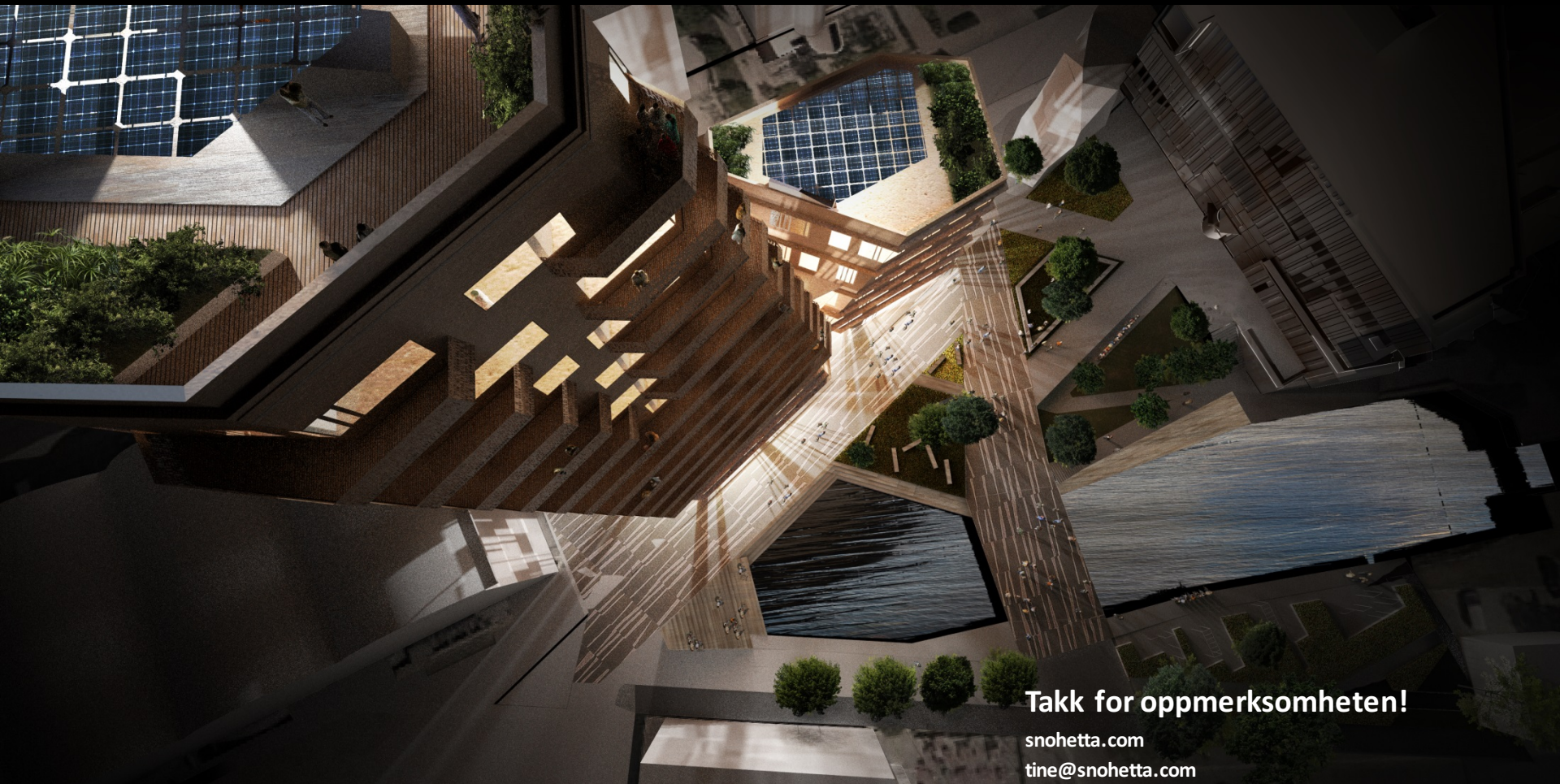












Takk for oppmerksomheten!

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