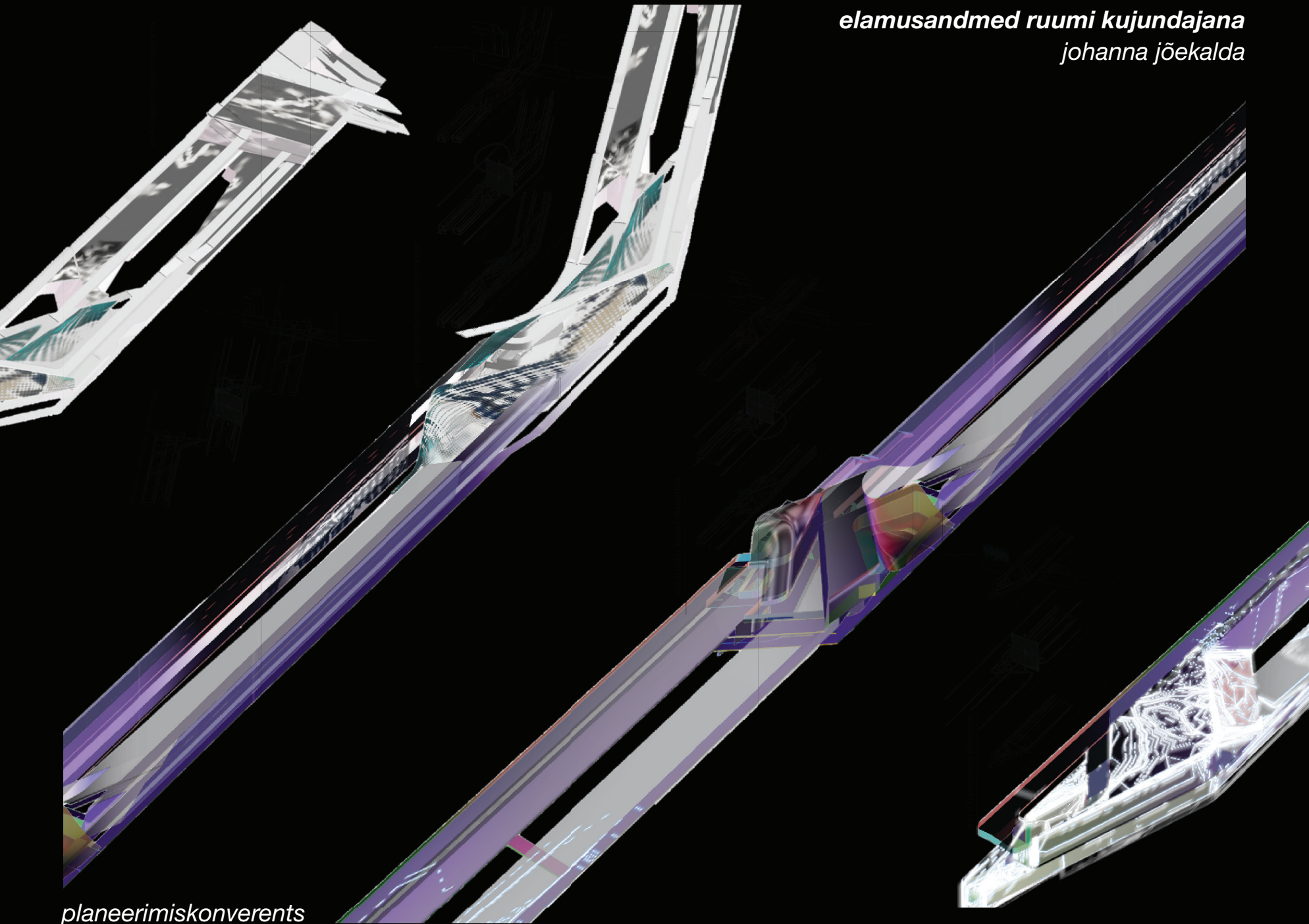
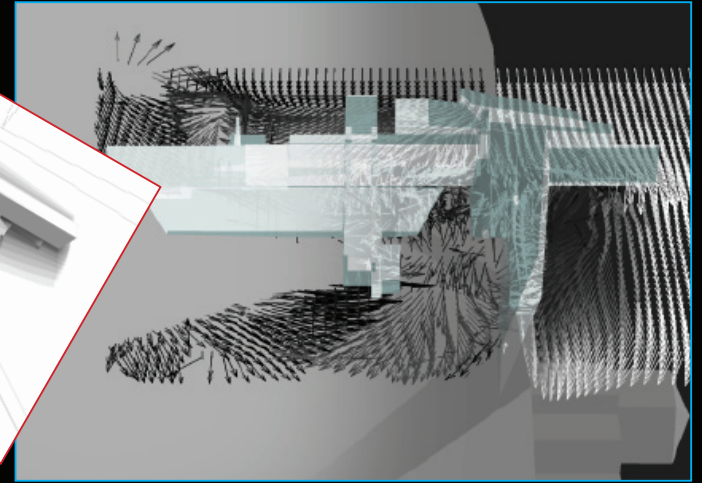
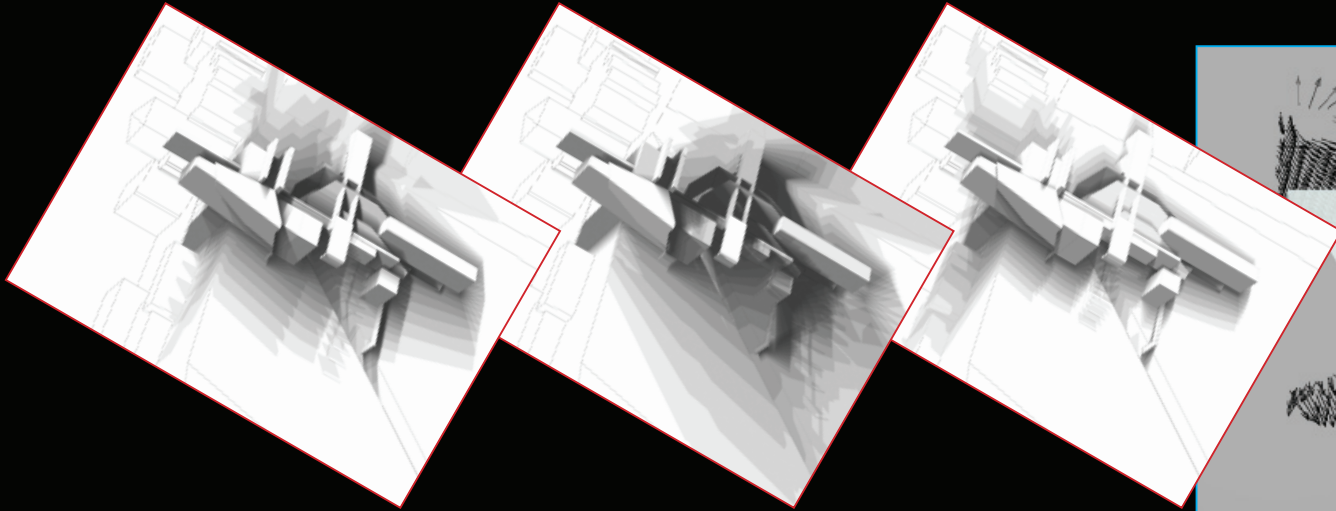


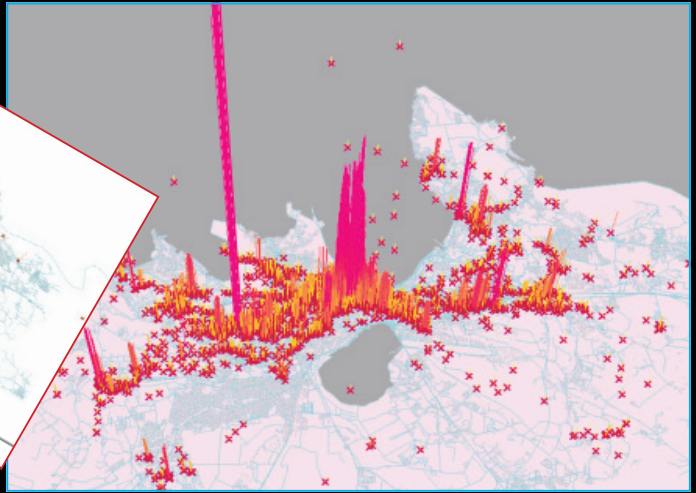
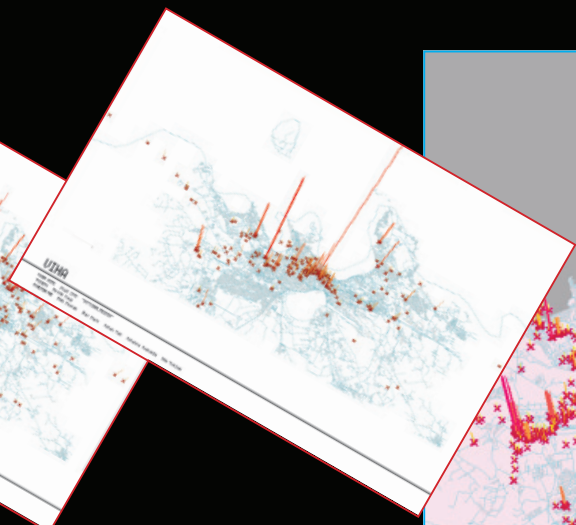
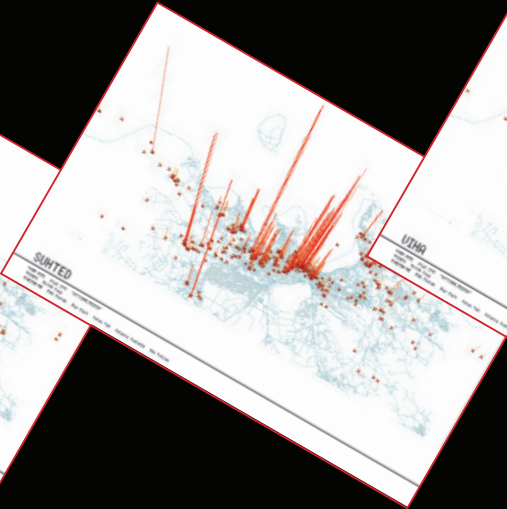
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johanna jõealkda*

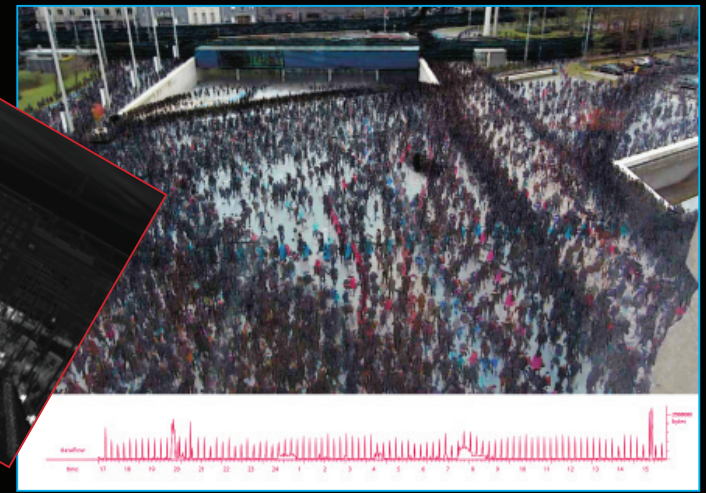
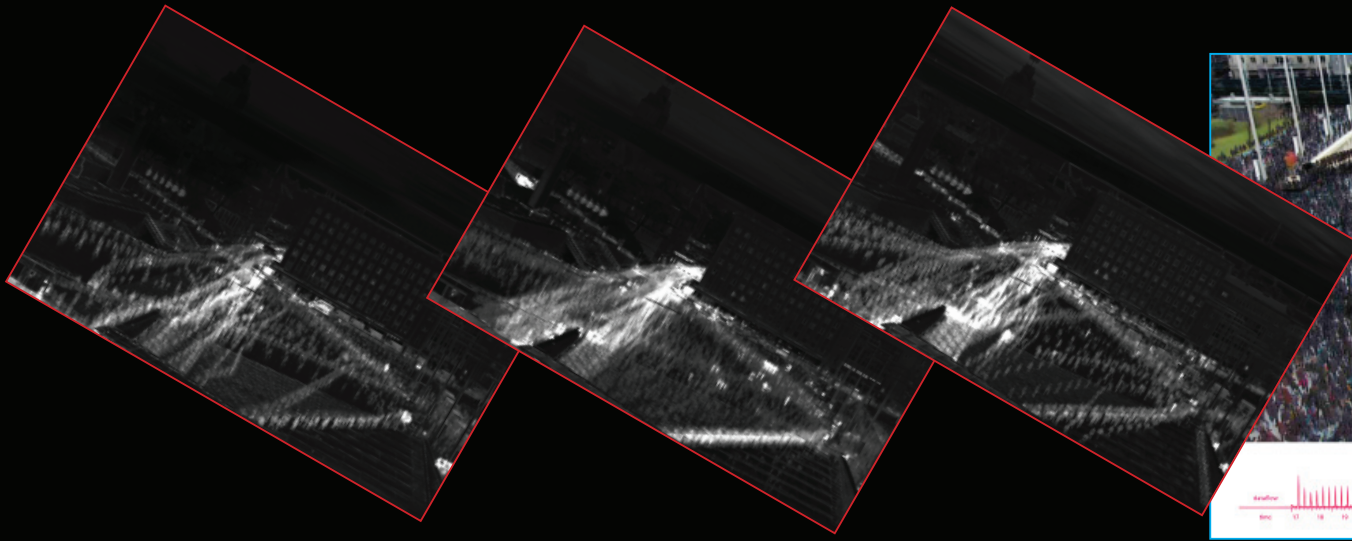
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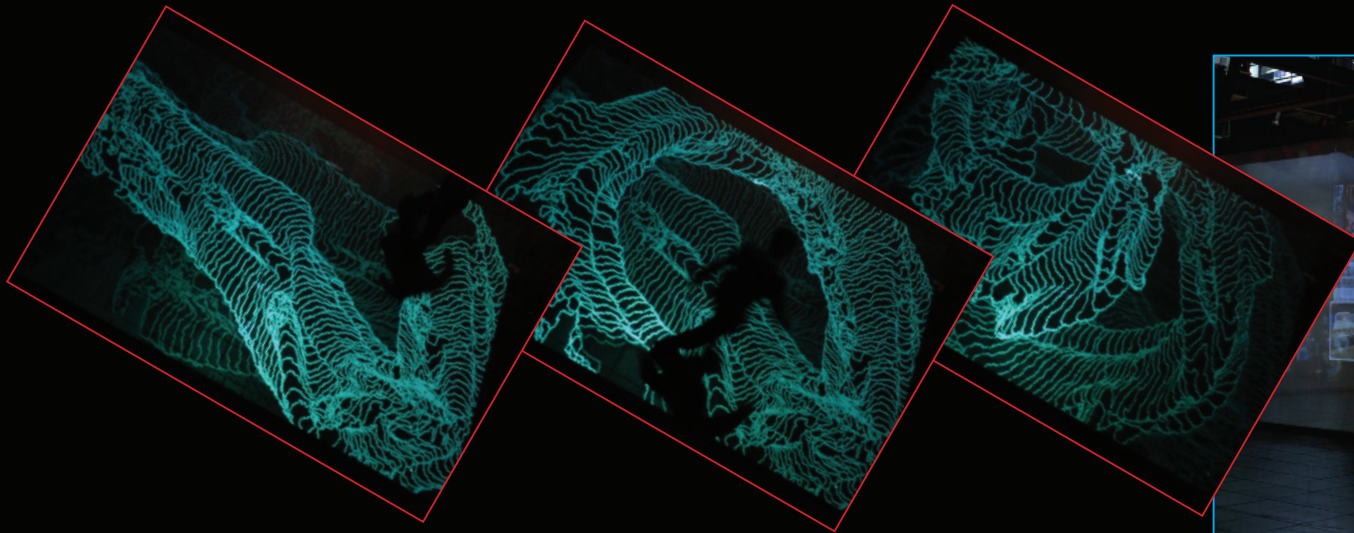


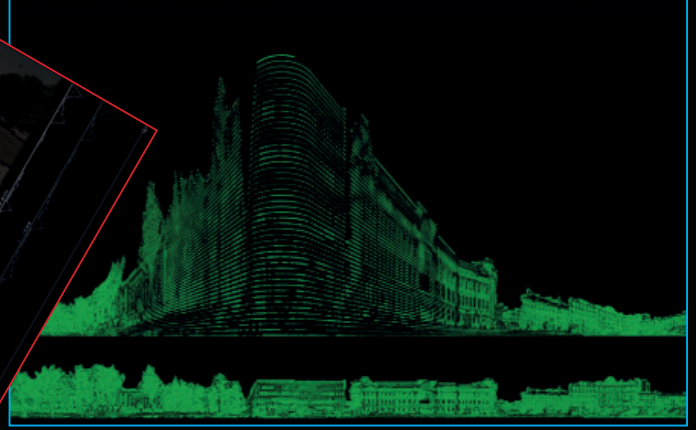




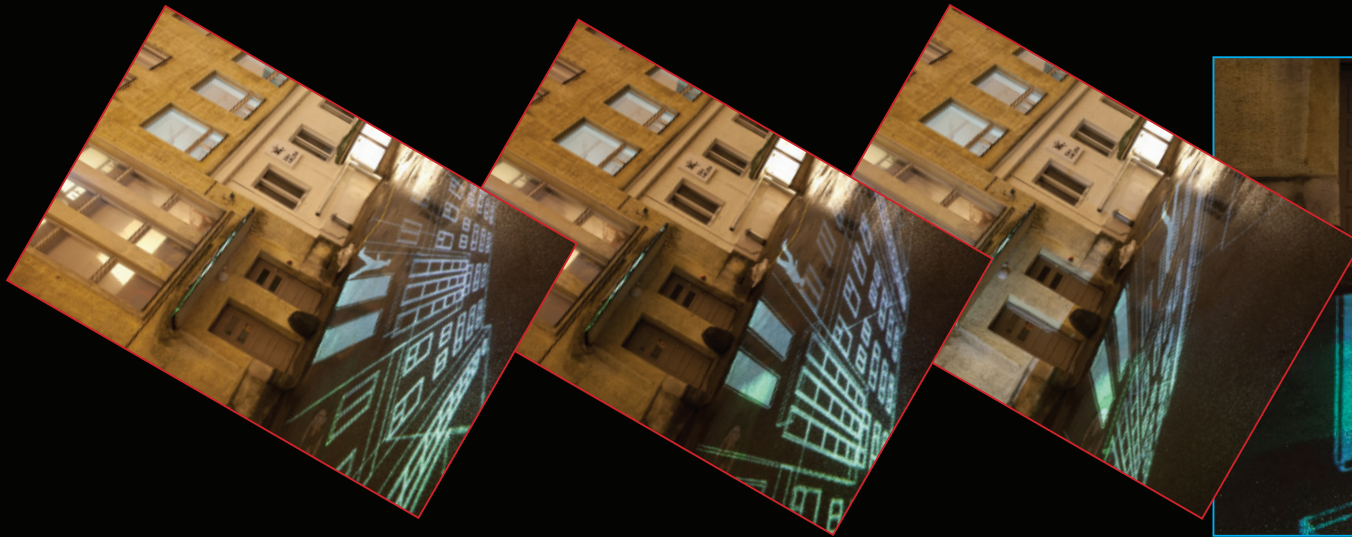


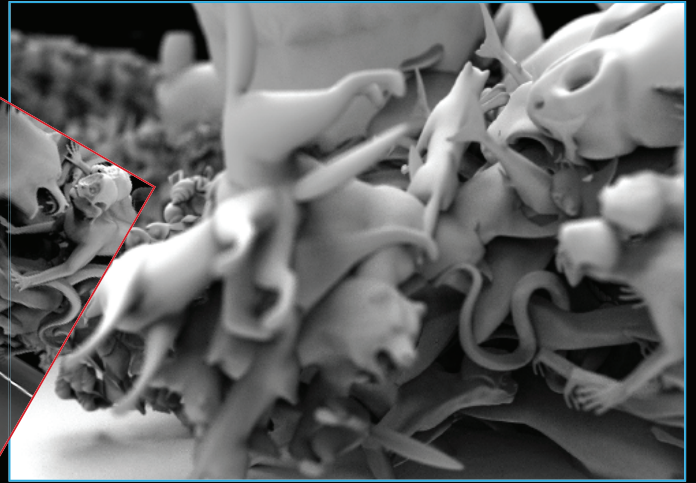
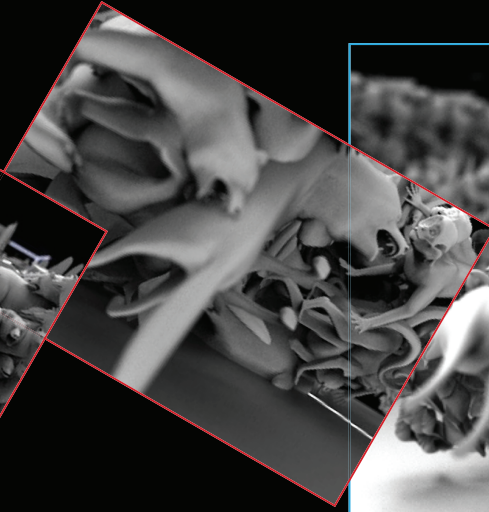
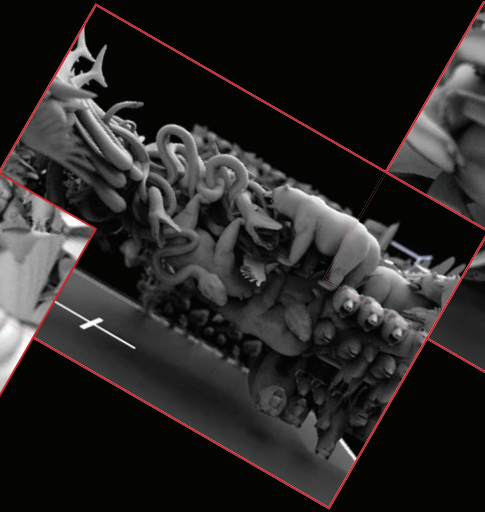
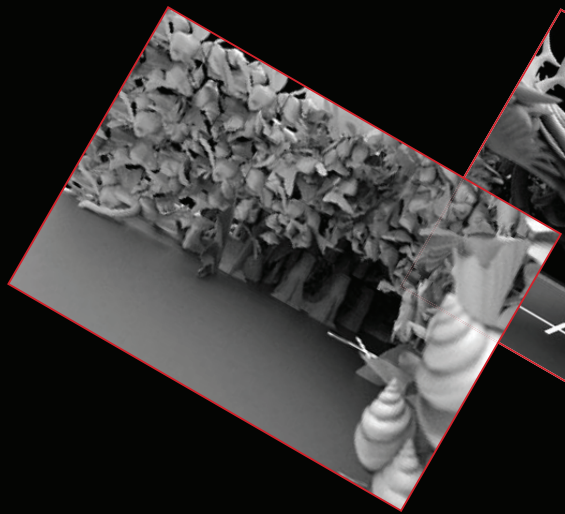


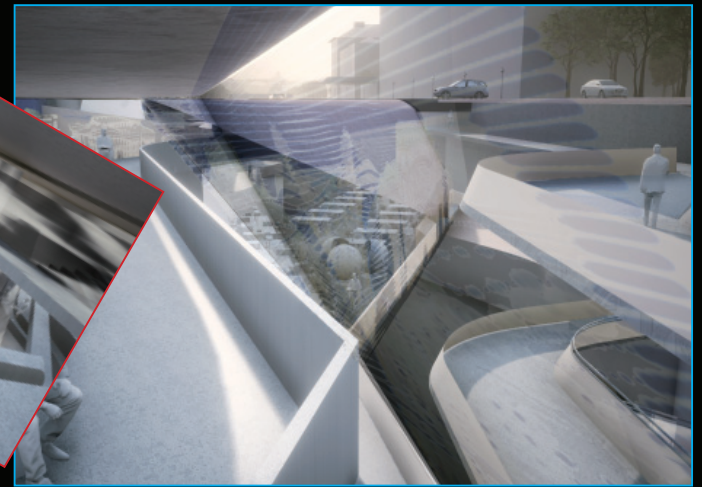
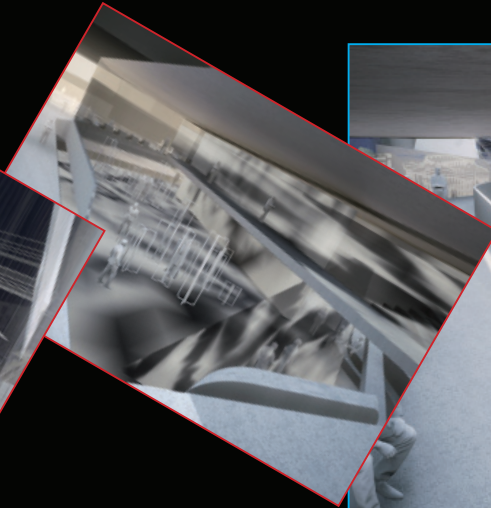
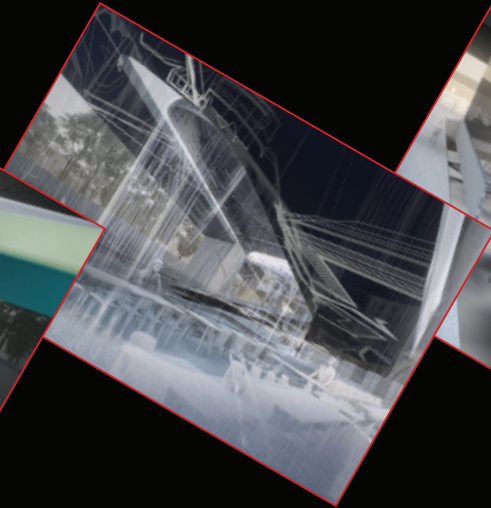
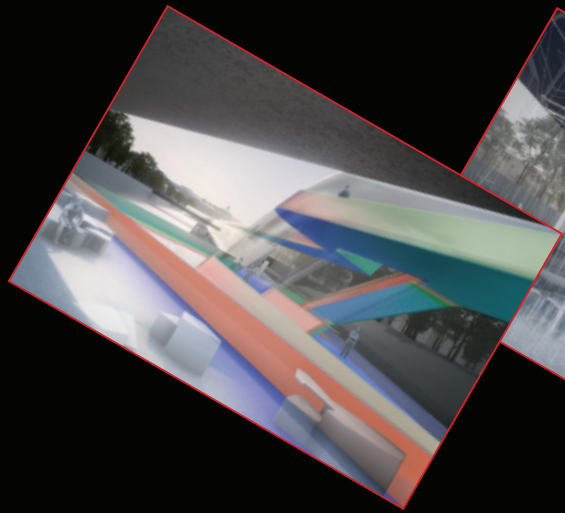


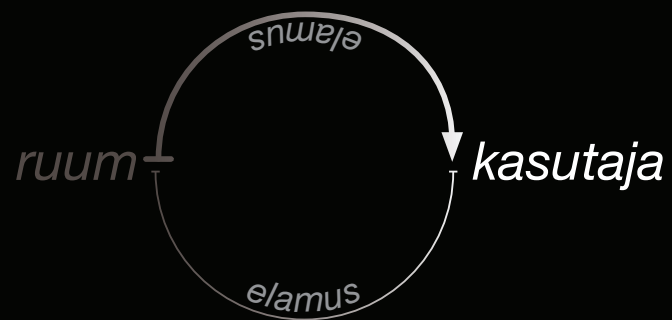


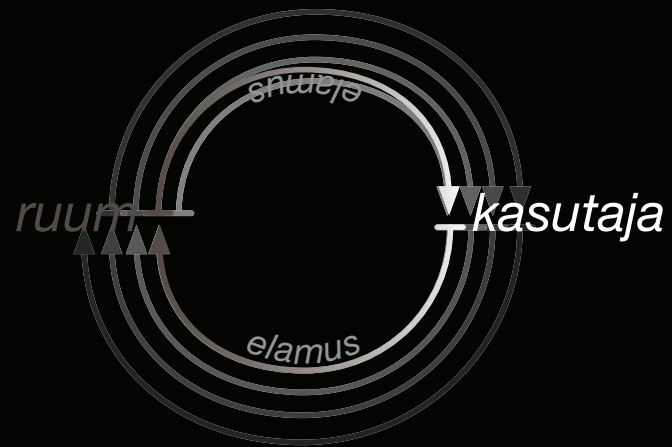


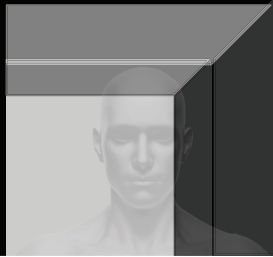








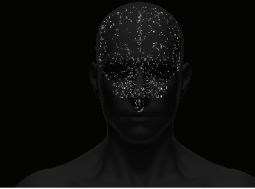




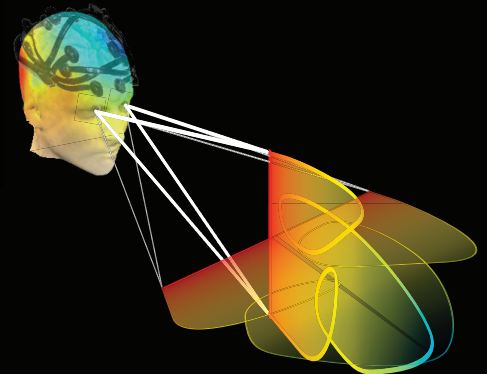
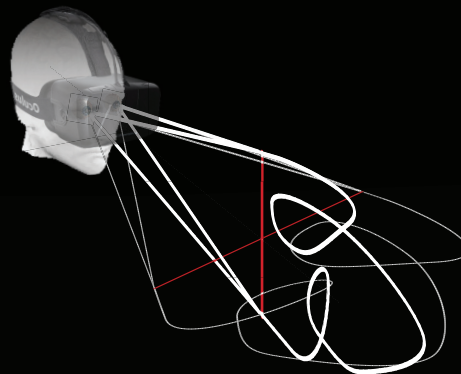
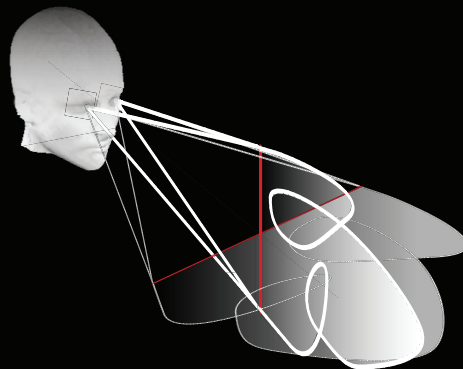
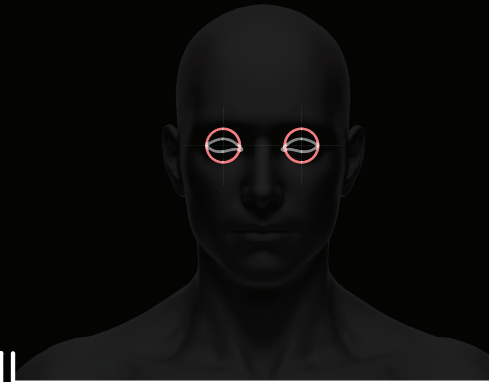
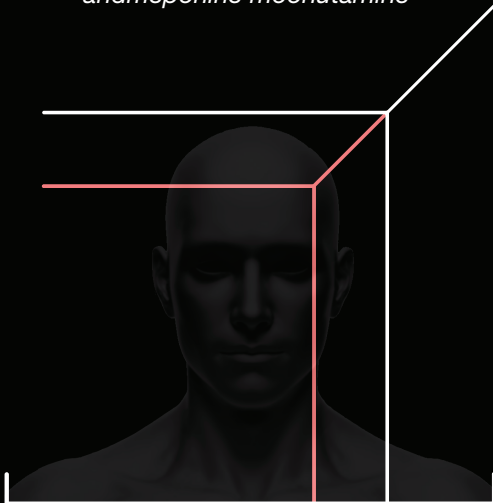
*ruumi omaduste
andmepõhine moonutamine*



*ruumi vaadete
andmepõhine konstrueerimine*



*ruumielamuse
andmepõhine defineerimine*



ruumi kujundamine

illusioonitehnikate kaasabil

elamuse tõlgendamine

illusioonitehnikate abil ruumitoomiseks



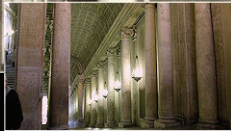
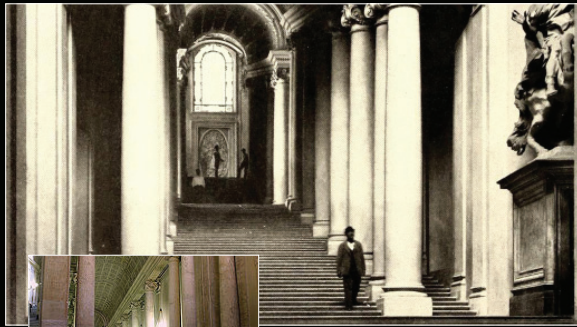
SCALA REGIA VATICAN

Gian Lorenzo Bernini 1660s



PALAZZO SPADA ROME

Francesco Borromini 1630s





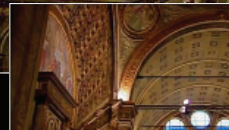
TEATRO OLIMPICO VICENZA

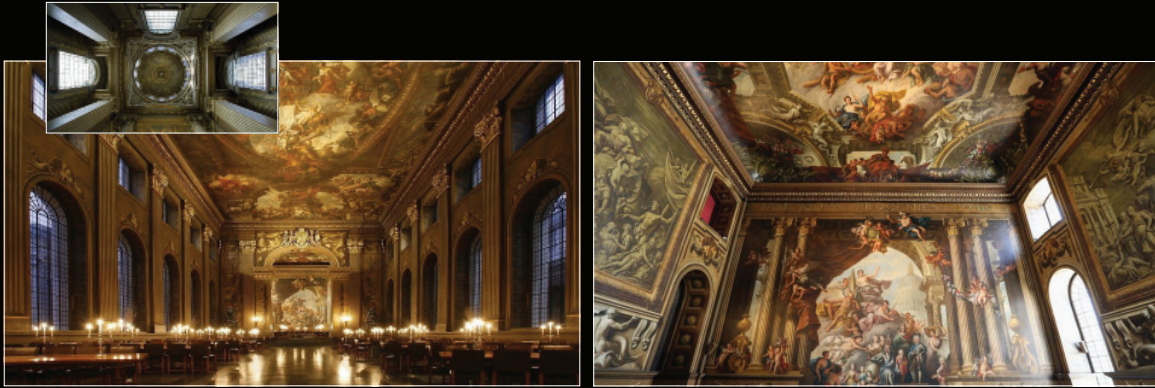
Andrea Palladio | Vincenzo Scamozzi 1580s



SANTA MARIA PRESSO SAN SATIRO MILAN

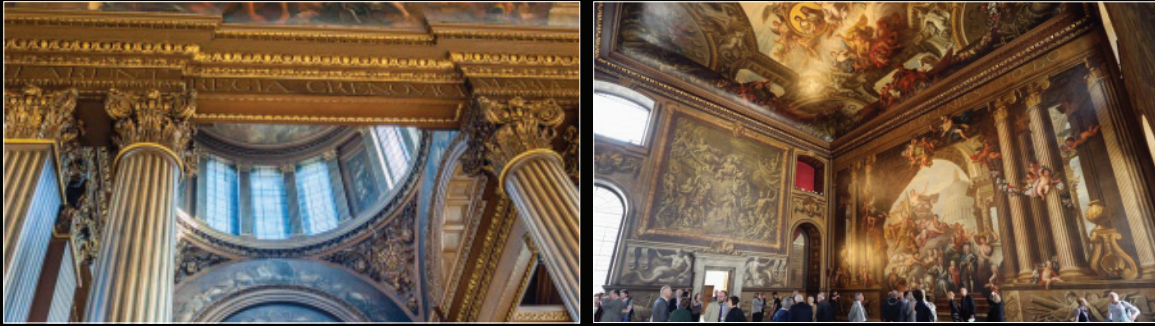
Donato Bramante 1470s-1480s





OLD ROYAL NAVAL COLLEGE (PAINTED HALL) LONDON

Sir Christopher Wren, Nicholas Hawksmoor | Sir James Thornhill 1690s-1710s





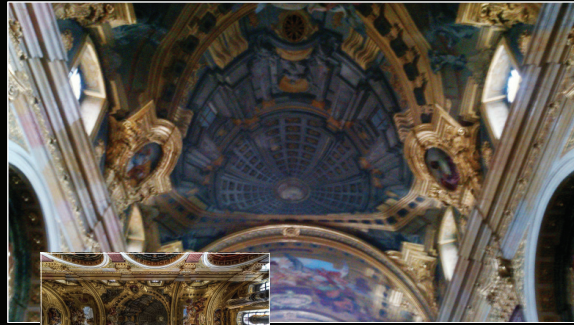
CHIESA DI SANT'IGNAZIO DI LOYOLA ROME

Orazio Grassi 1620s-1640s | Andrea Pozzo 1690s



JESUITENKIRCHE VIENNA

? | Andrea Pozzo 1620s (1700s)



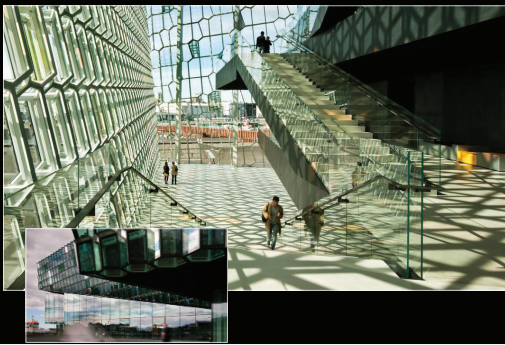
probleemid:

*ainult nägemismeelele orienteeritus
ainult ühest vaatepunktist toimimine*

lahendused:

*multimodaalse elamuse loomine
uue meedia tehnikate kaasamisel*

optika



HARPA CONCERT HALL AND CONFERENCE CENTRE (REYKJAVIK)
Henning Larsen Architects | Studio Olafur Eliasson

perspektiiv



CRYSTALS AT CITY CENTER (LAS VEGAS)
Studio Libeskind (+ Rockwell Group) | James Turrell

värv



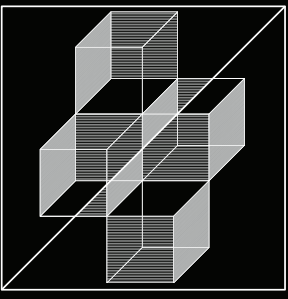
HOTEL SOFTEL VIENNA STEPHANSDOM (VIENNA)
Ateliers Jean Nouvel | Pipilotti Rist

valgus

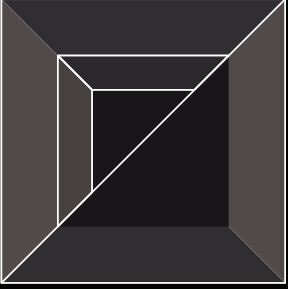


CLEVELAND CLINIC: LOU RUVO CENTER FOR BRAIN HEALTH (LAS VEGAS)
Gehry Partners | Jack Valencia

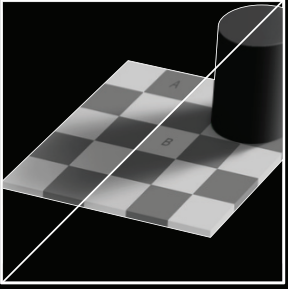
optika



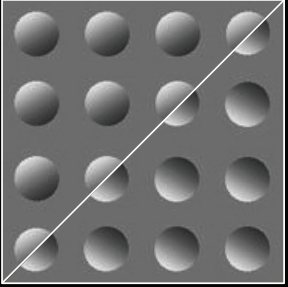
perspektiiv



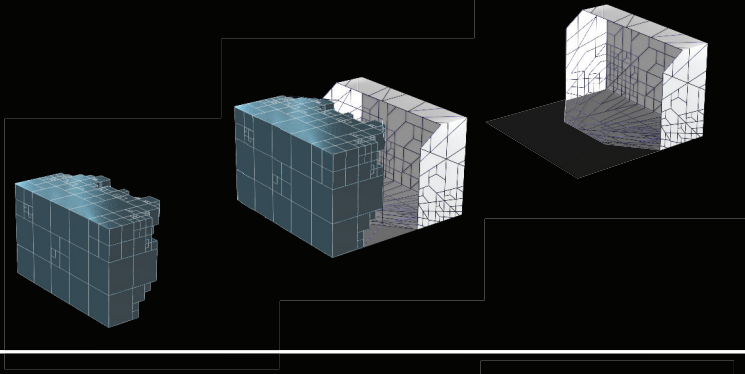
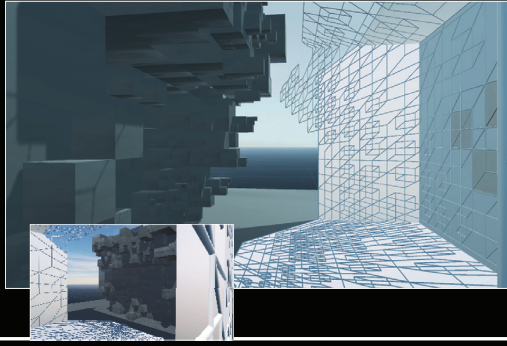
värv



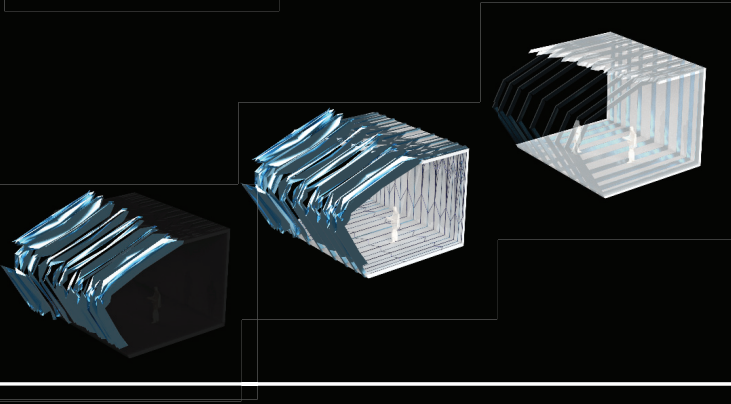
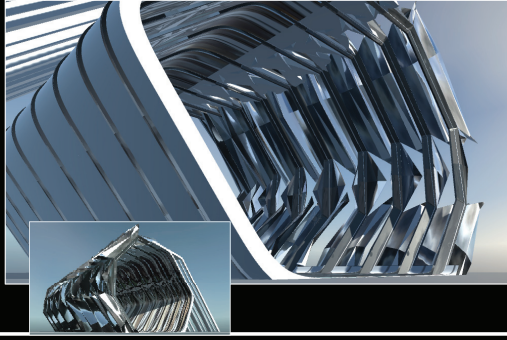
valgus



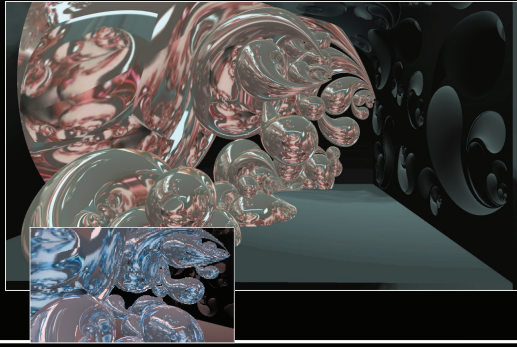
optika



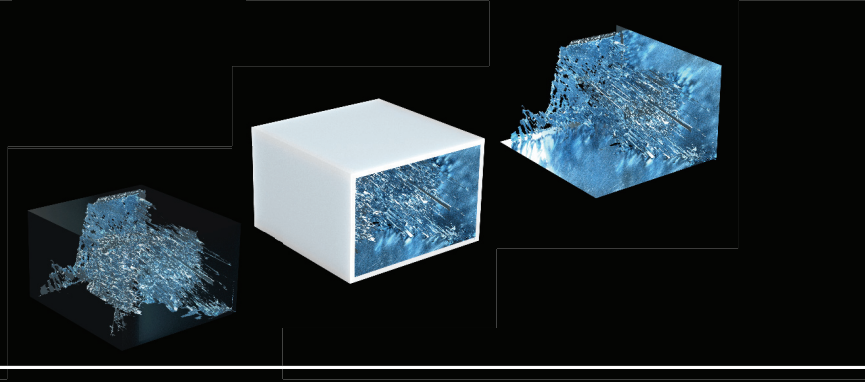
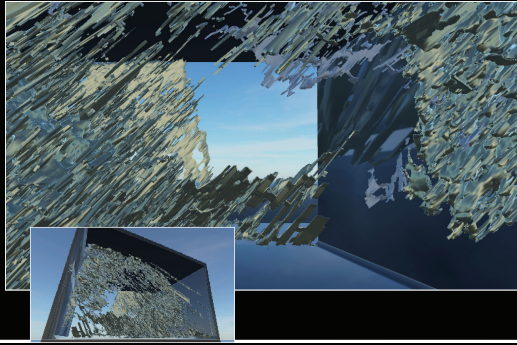
perspektiiv



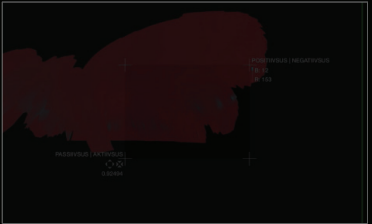
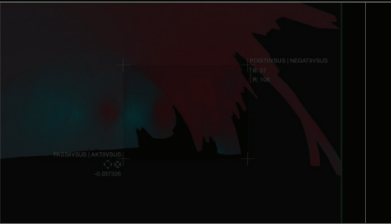
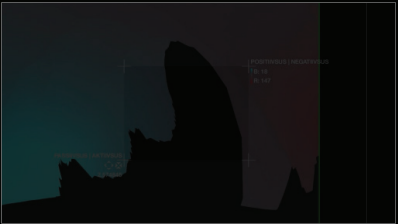
värv



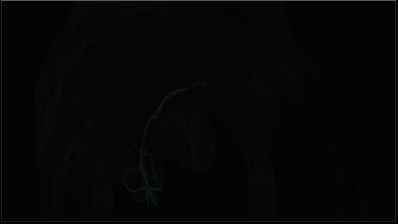
valgus

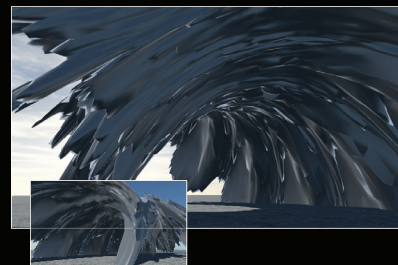
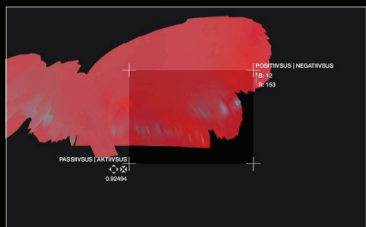
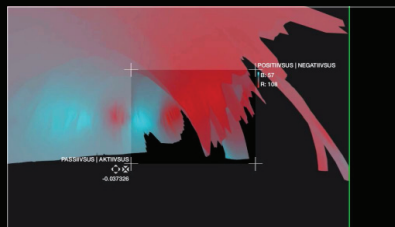


test - valentsus



test - virgus





ASUKOHT

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VAATESIHT

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VALENTSUS

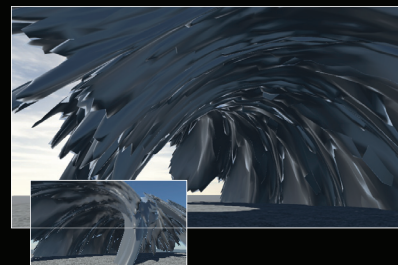
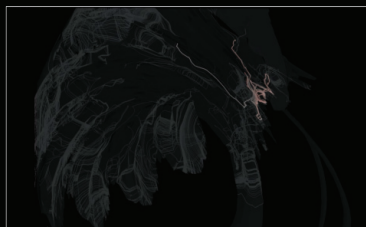
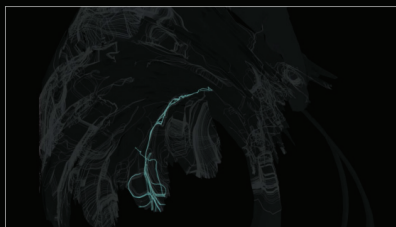
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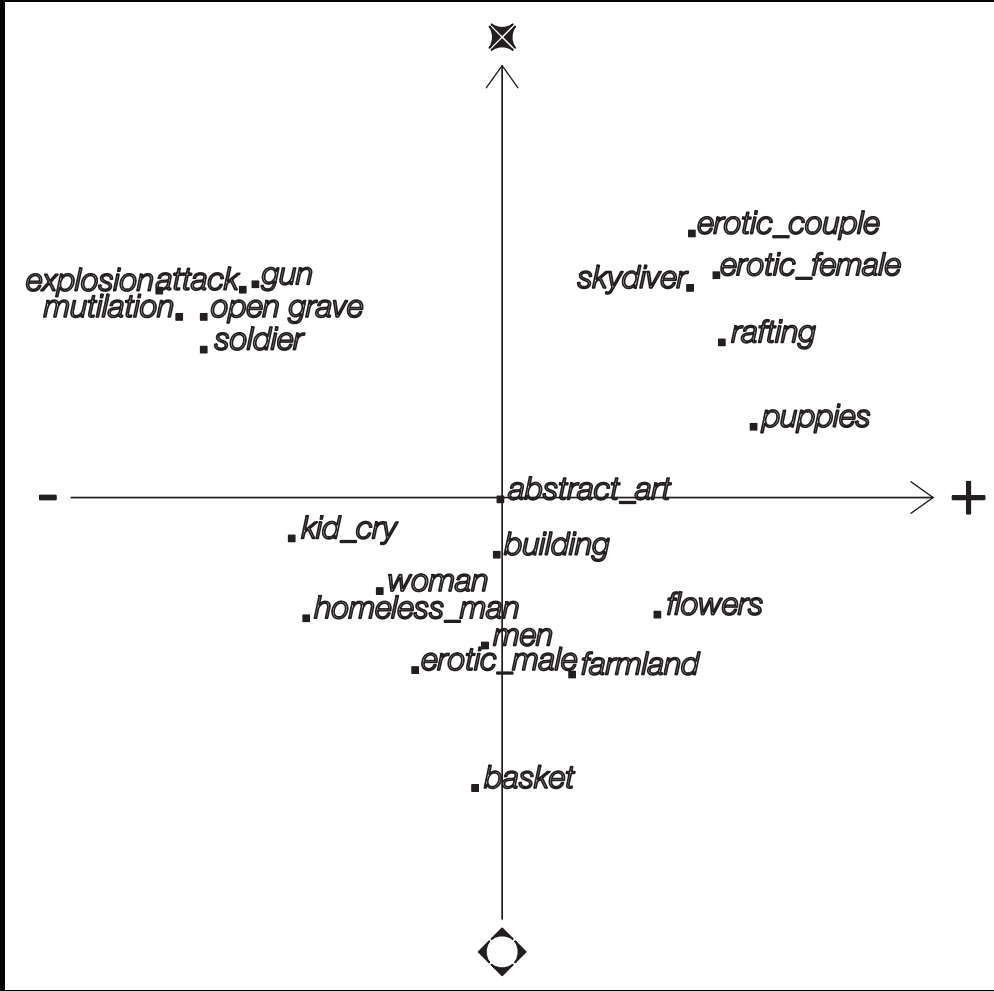
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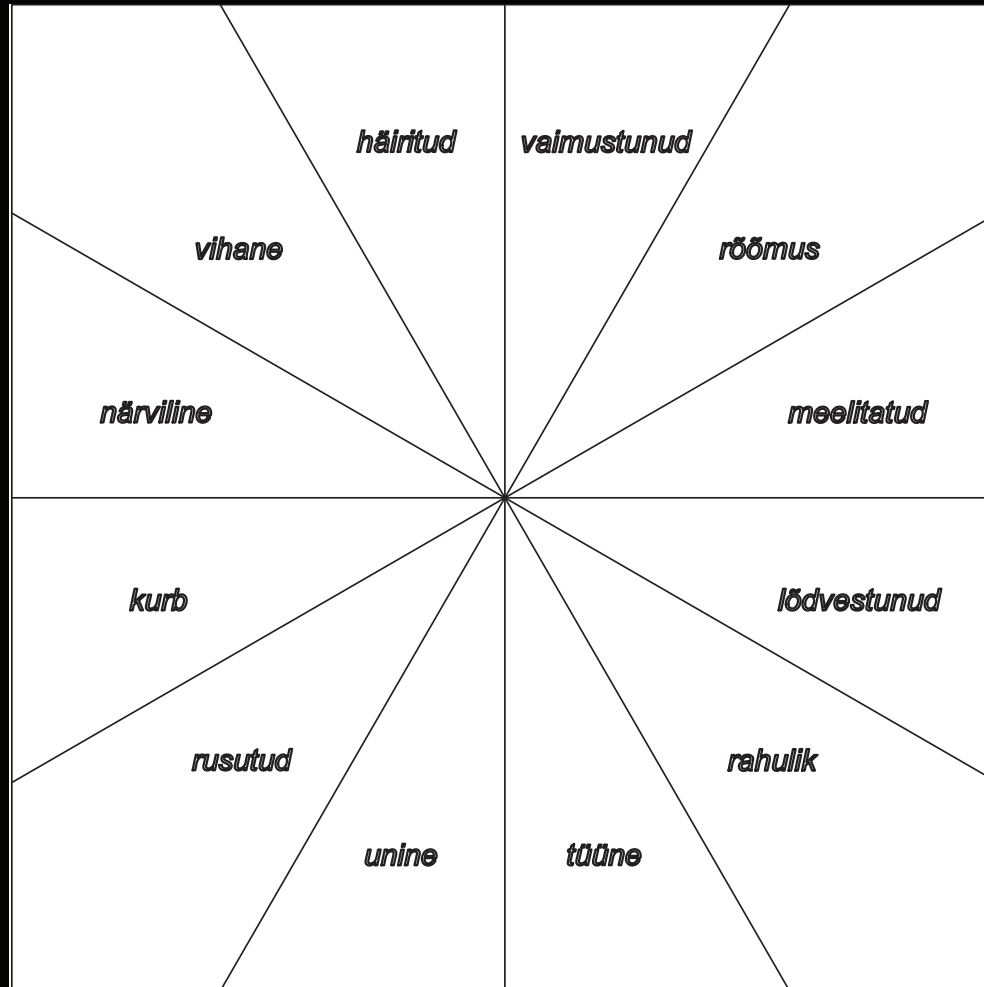
VIRGUS

(14-13)/(14+13)

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aktiivsus

hääntud

vaimustunud

vihane

rõõru

närviline

naelitatud

negatiivsus

positiivsus

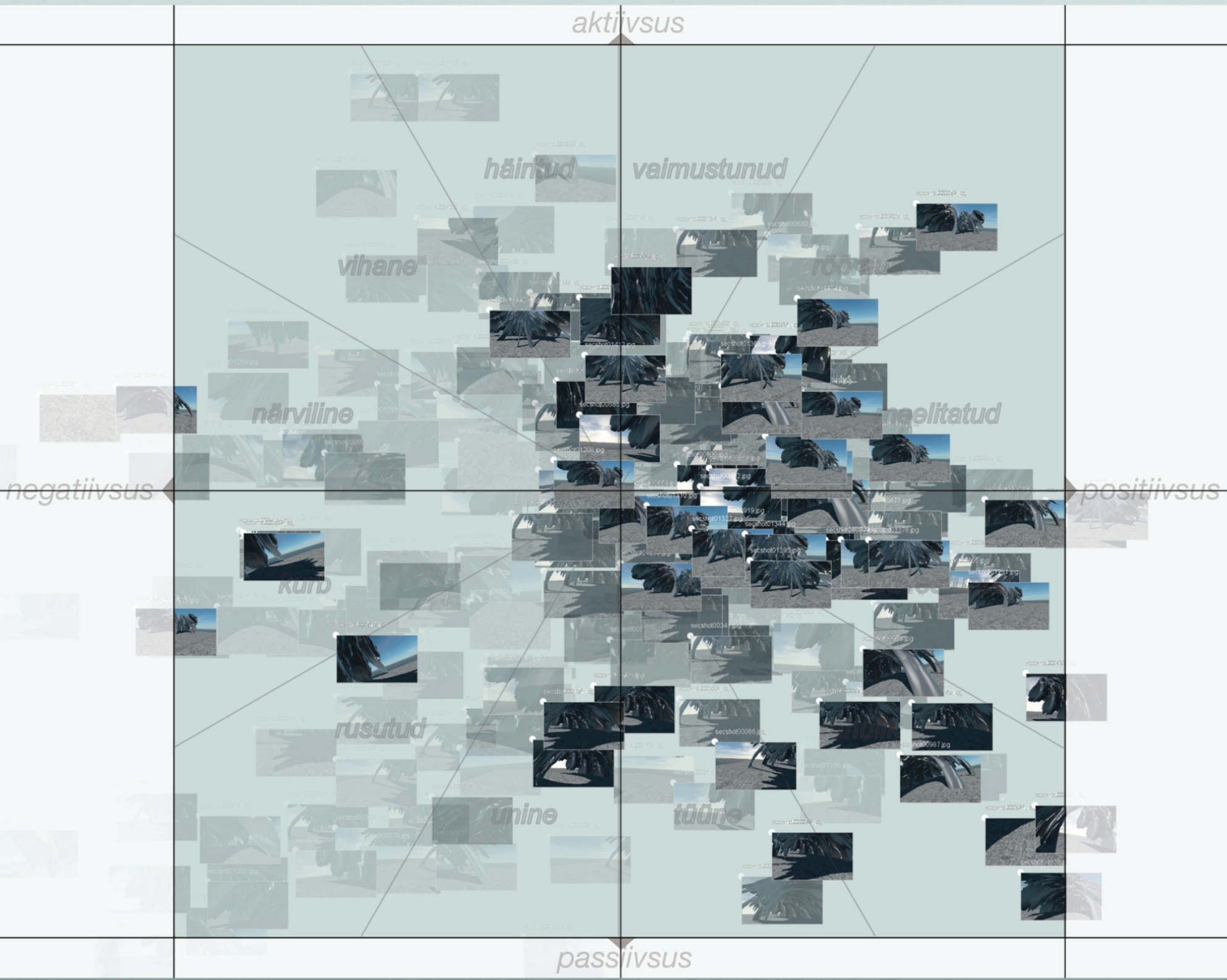
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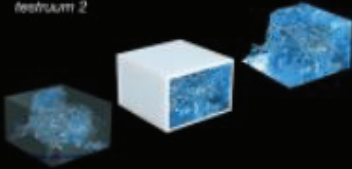
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tüüne

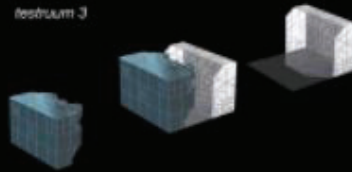
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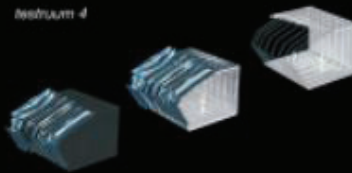
fostruum 2



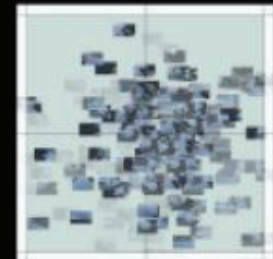
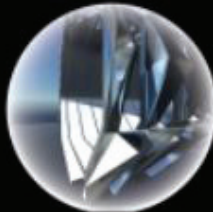
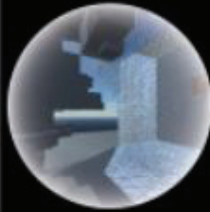
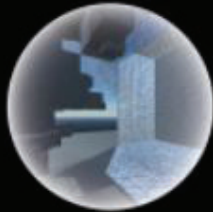
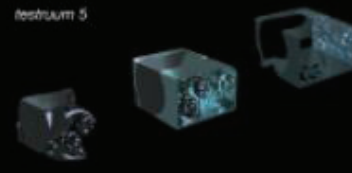
fostruum 3

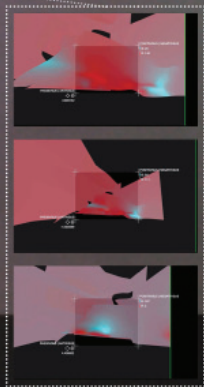
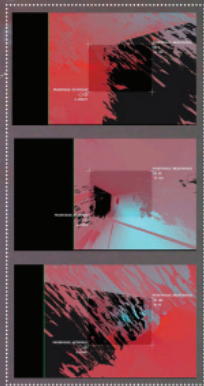
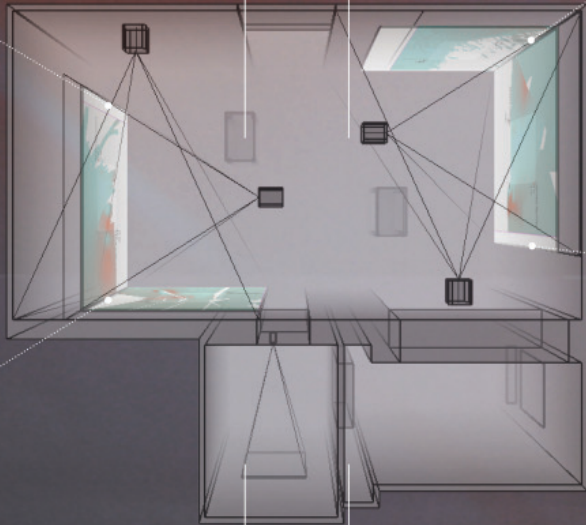
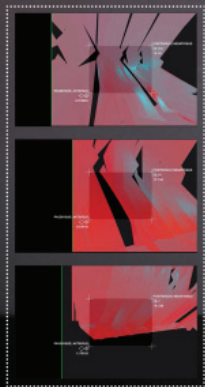


fostruum 4



fostruum 5





POSITIVSUS | NEGATIVSUS

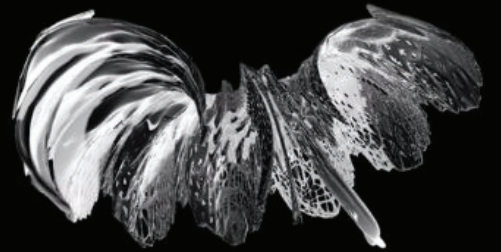
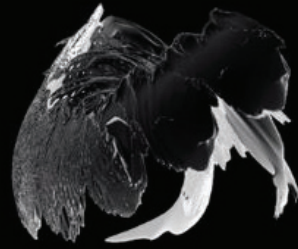
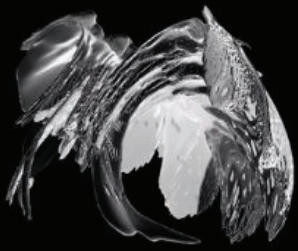
B: 10

R: 1

POSITIVSUS | NEGATIVSUS

B: 82

R: 83



ruum:

*3d-modelleerimine ja
virtuaalse reaalsuse keskkonnas esitamine*

meeled:

*asukoha ja vaatesuundade
salvestamine ja rekonstrueerimine*

aju:

*ajukoore bioelektrilise aktiivsuses
väljenduv virgus-valentsus info*

scatterplottimine

võimaldamaks mustrituvastuse põhimõttel ruumi mõjudes seaduspärasid leida

rekonstrueerimine

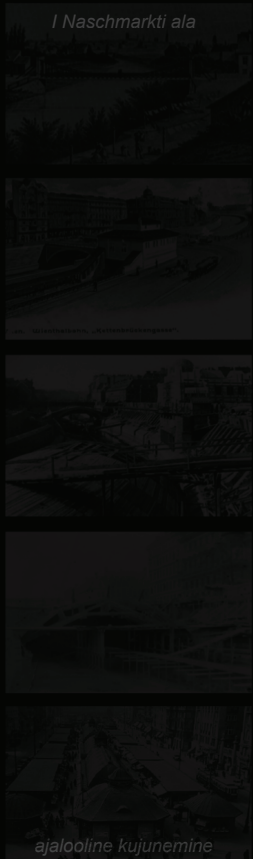
võimaldamaks uurimise või augmenteerimise eesmärgil ruumi elamusinfot visualiseerida

deformeerimine

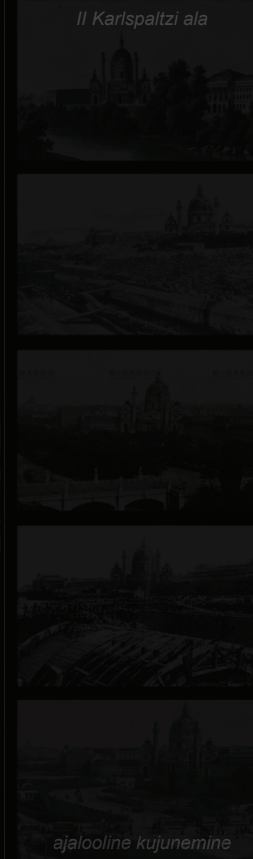
võimaldamaks tööprotsessis kogutud andmeid vormi edasisel kujundamisel ära kasutada



I Naschmarkt ala



II Karlsplatz ala



ajalooline kujunemine

ajalooline kujunemine



Wienflussportal Stadtpark
Ohmann, Hackhofer

Kleine Ungarbrücke
Ohmann, Hackhofer

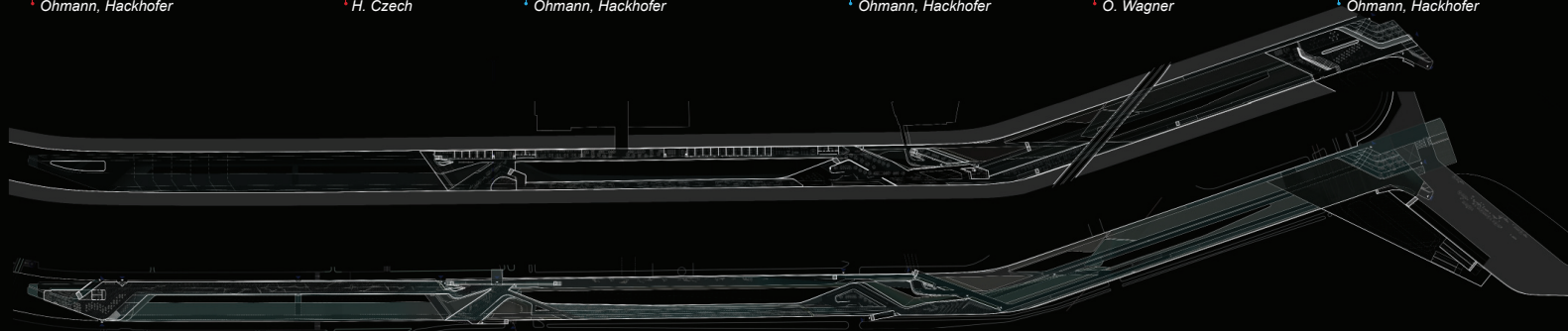
Stadtparksteg
H. Czech

Stubentorbrücke
Ohmann, Hackhofer

Kleine Marxerbrücke
Ohmann, Hackhofer

Zollamtssteg
O. Wagner

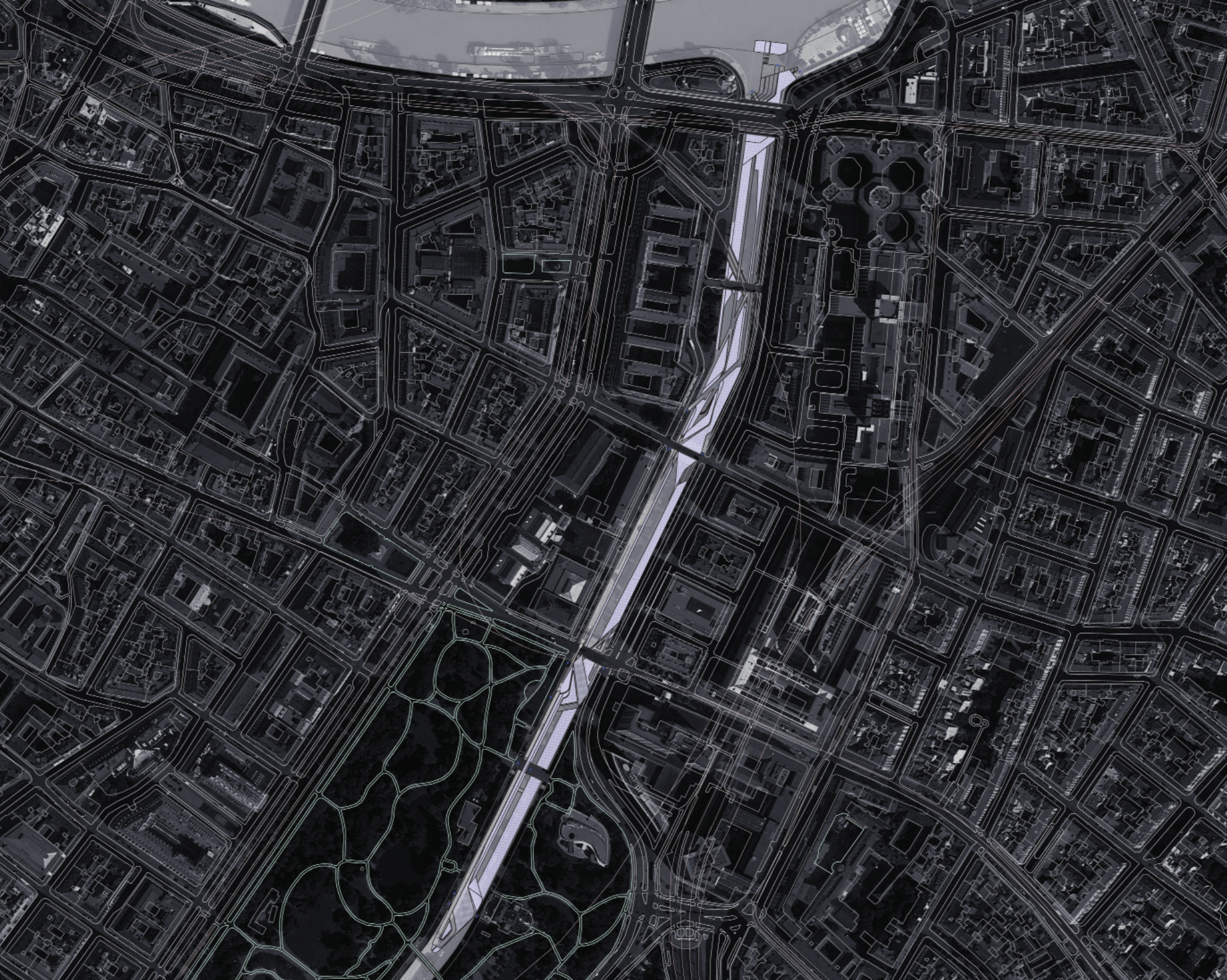
Radetzkybrücke
Ohmann, Hackhofer

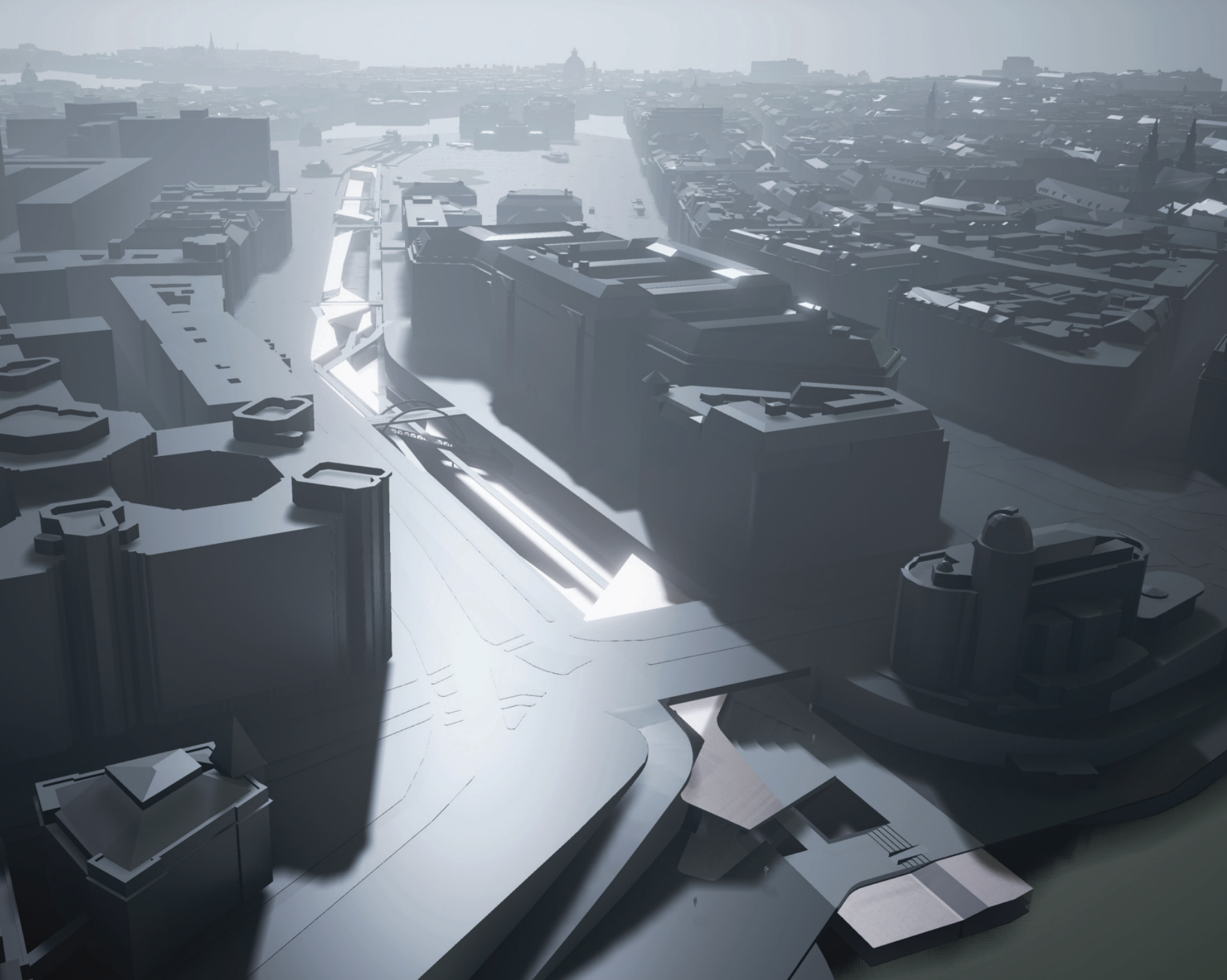


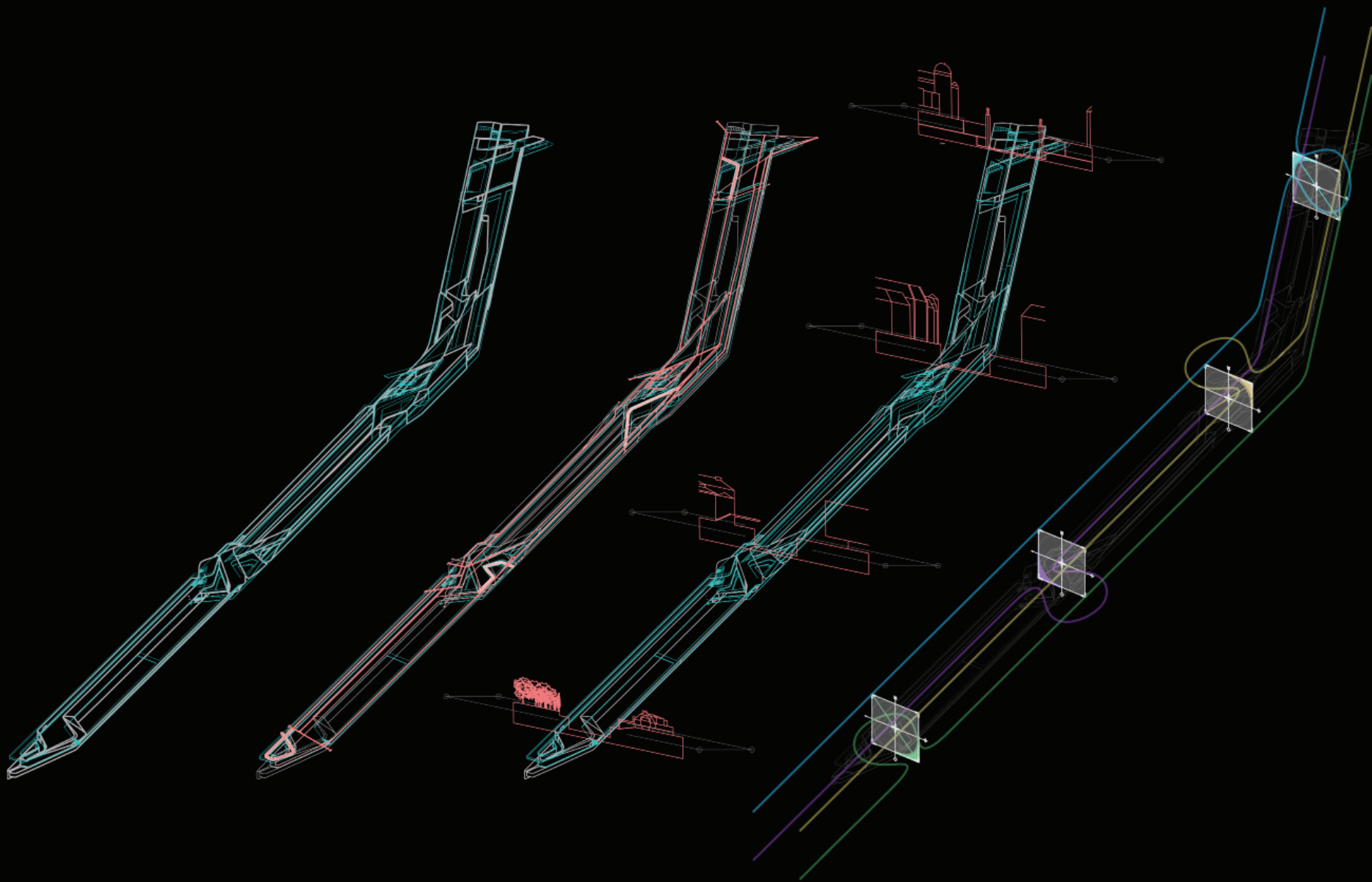








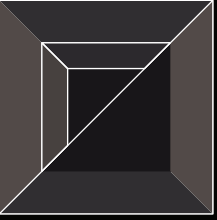




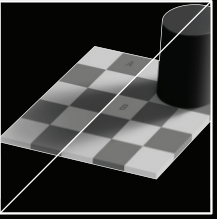
optika



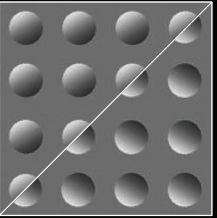
perspektiiv



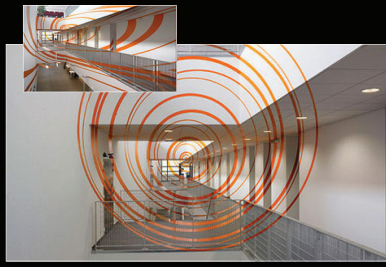
värv



valgus



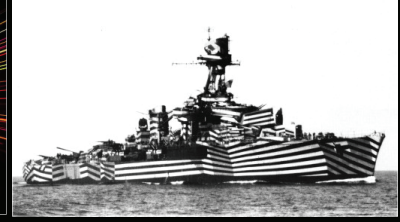
optika



Felice Varini **Seventeen Orange Eccentric Circles**

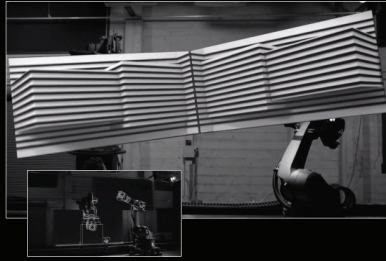
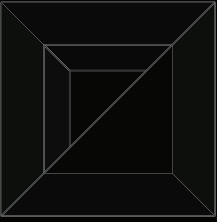


Jüri Okas **Perspective**

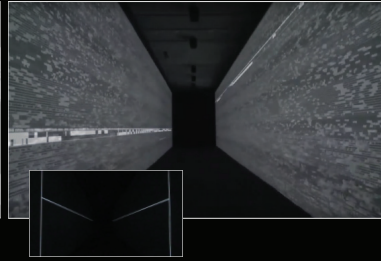


Norman Wilkinson **Razzle Dazzle**

perspektiiv



Bot & Dolly Box

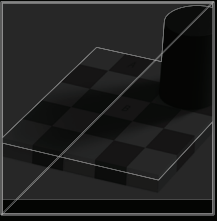


Ryoji Ikeda **Data Path**

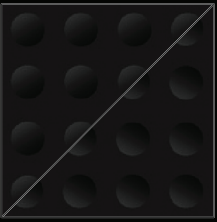


Atelier Brückner **CERN visitor centre**

värv



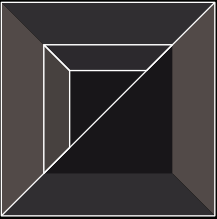
valgus



optika



perspektiv



Zaha Hadid Architects **WU Library and Learning Centre**

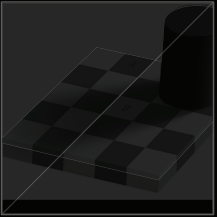


Edgar Mueller **The Crevasse**

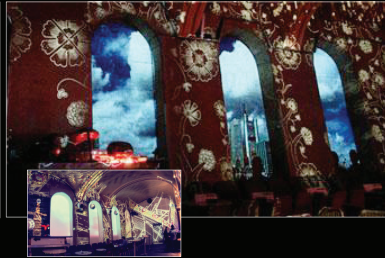


? **Venus Fort (Palette Town)**

värn



Daisuke Moriuchi **Tokyo Station Vision**

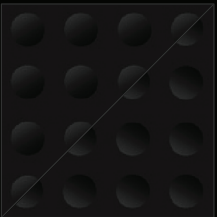


? **Club Donau**



Irina Nakhova **The Video Room**

valgus



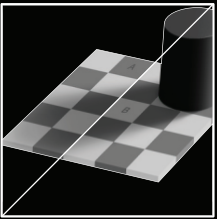
optika



perspektiiv



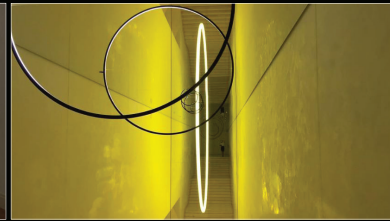
värv



Olafur Eliasson Studio *Your Rainbow Panorama*

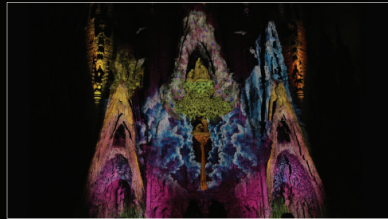


Olafur Eliasson Studio *Your Uncertain Shadow*



Olafur Eliasson Studio *The Gravity Stairs*

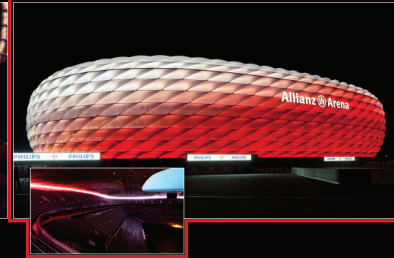
Moment Factory *Ode à la Vie Light & Sound Show (Sagrada Família)*



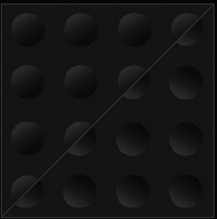
Yann Kersale *In Out (Sony Center)*



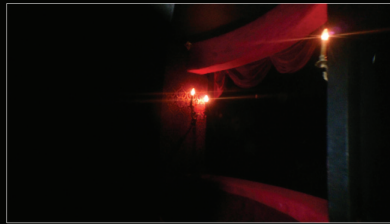
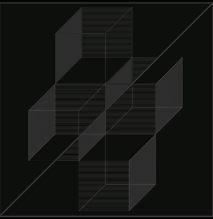
? *Allianz Arena*



valgus



optika



Jaanus Samma *NSFW. A Chairman's Tale*

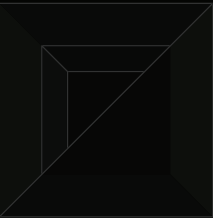


Paul Kuimet *Horizon*

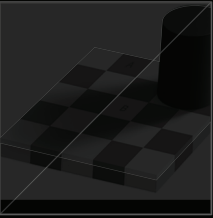


Anish Kapoor *Descent into Limbo*

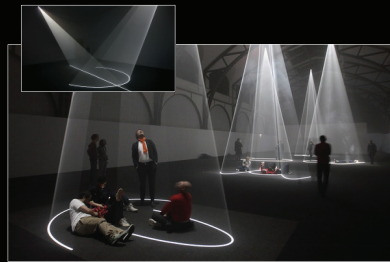
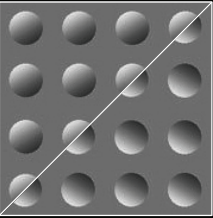
perspektiiv



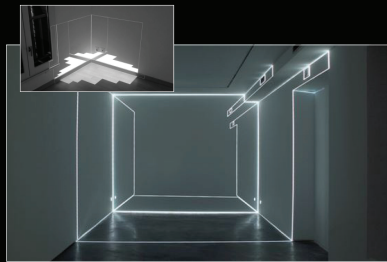
värv



valgus



Anthony McCall *Five Minutes of Pure Sculpture*

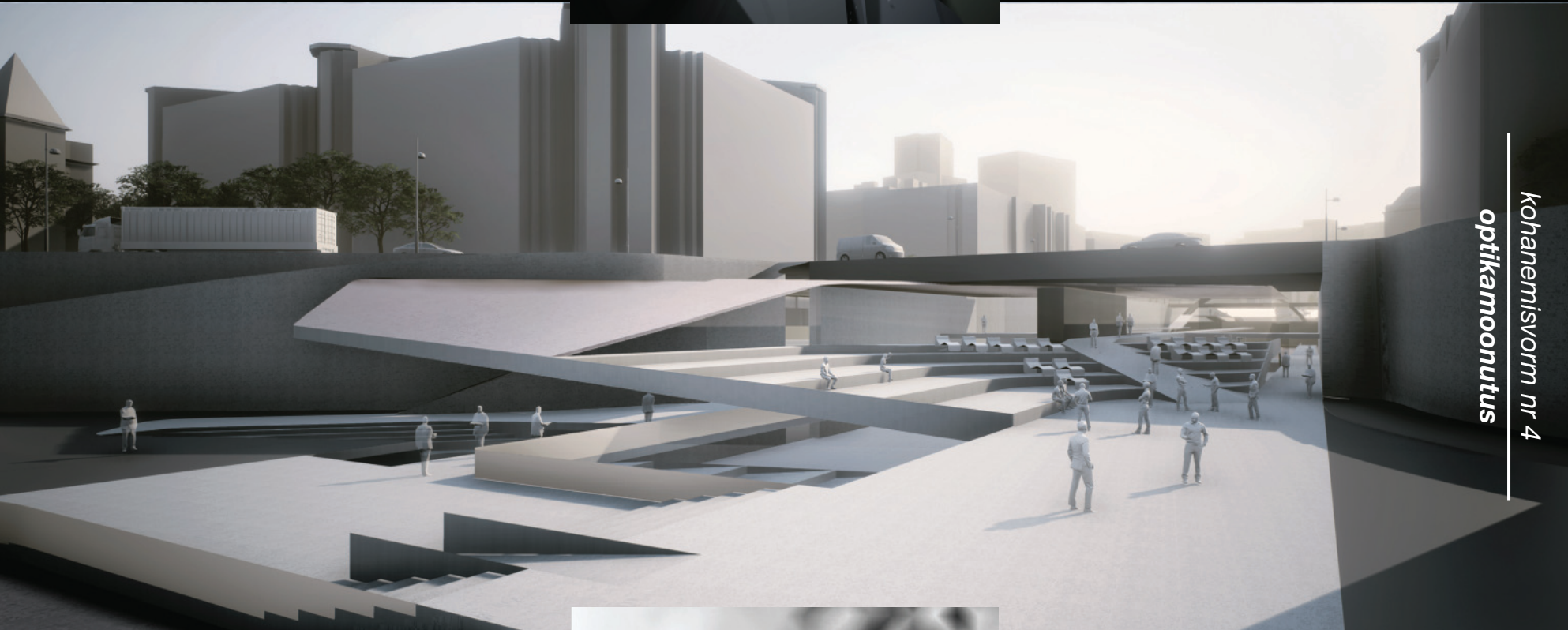
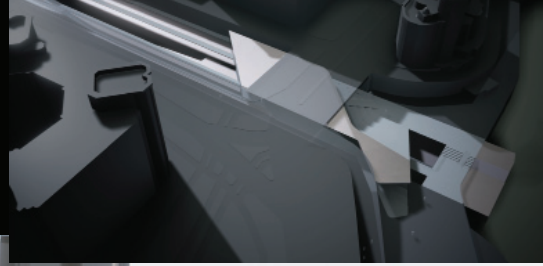


Pablo Valbuena *Extension Series*



? *OMV Raffinerie Schwechat*

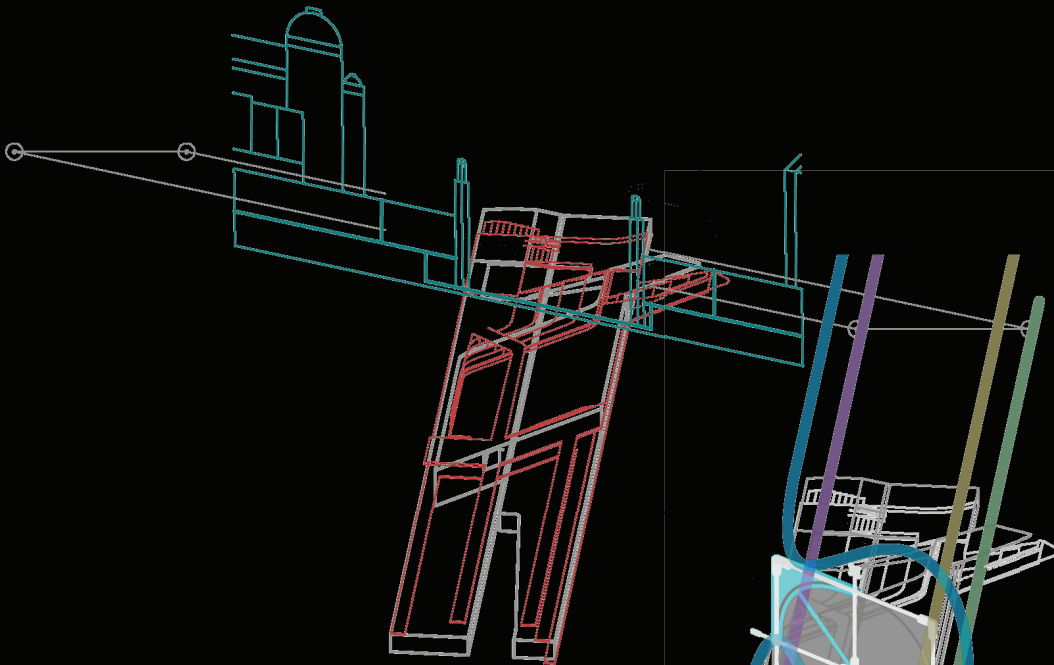
*laiendamaks Donaukanali äärsete festivalide ala,
sildab hoone (Wienflussi poolt katkestatud) Donaukanali promenaadid üritustealaga*



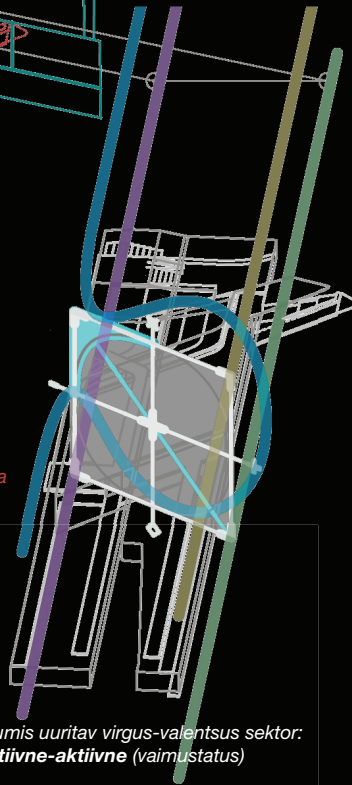
*kohanemismvorm nr 4
optikamoonutus*



ruumi näiliseid omadusi moonutatakse elamusandmetest lähtuva optikainstallatsiooniga



hoone maapealsed ja maa-alused ühendused
Urania hariduskeskuse ja Donaukanali promenaadidega



lähtestaadiumis uuritav virgus-valentsus sektor:
positiivne-aktiivne (vaimustus)



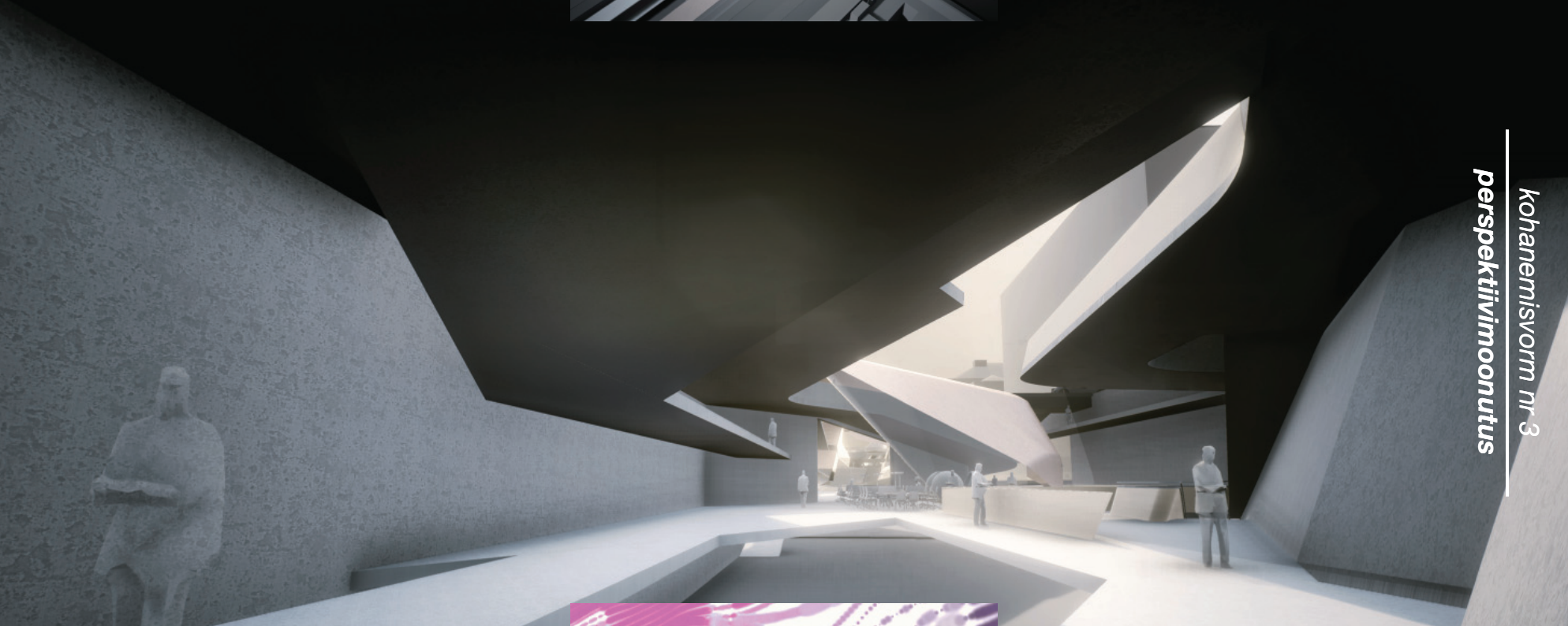
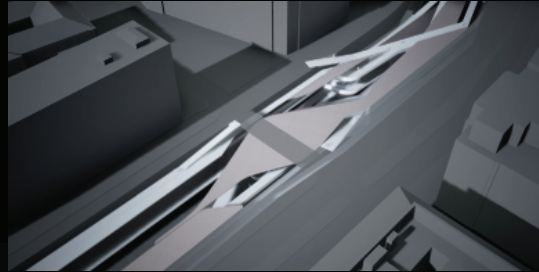
hariduskeskust, üritusteala, näitusepinda ja väliala
siduv tsirkulatsioonidiagramm

*vormide resolutsiooni muutmine teostatakse projektsioonimäpingutega
visuaalse lahenduse aluseks on optilise voo algoritm*

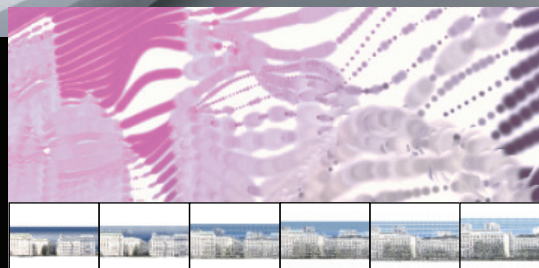


kohanemismuoto nr 4
optikamoouutus

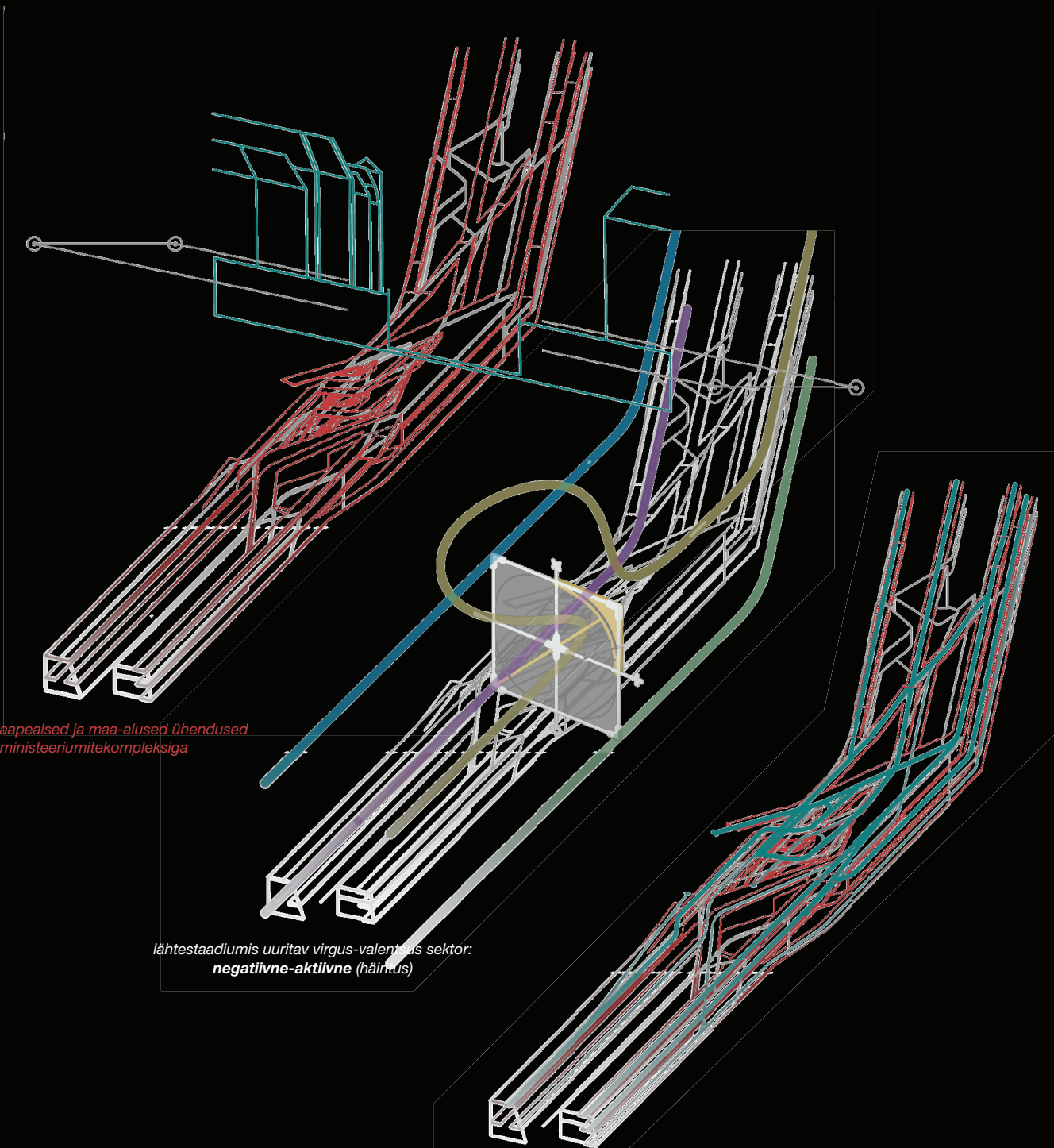
*peitmaks hoone üllinearse ülesehitust,
rõhutab hoone sisestruktuur diagonaalsihtidega vaateid külgnvatele tänavafontidele*



*kohanemismvorm nr-3
perspektiivimoonutus*



ruumi näiliseid omadusi moonutatakse elamusandmetest lähtuva perpektiivinstallatsiooniga

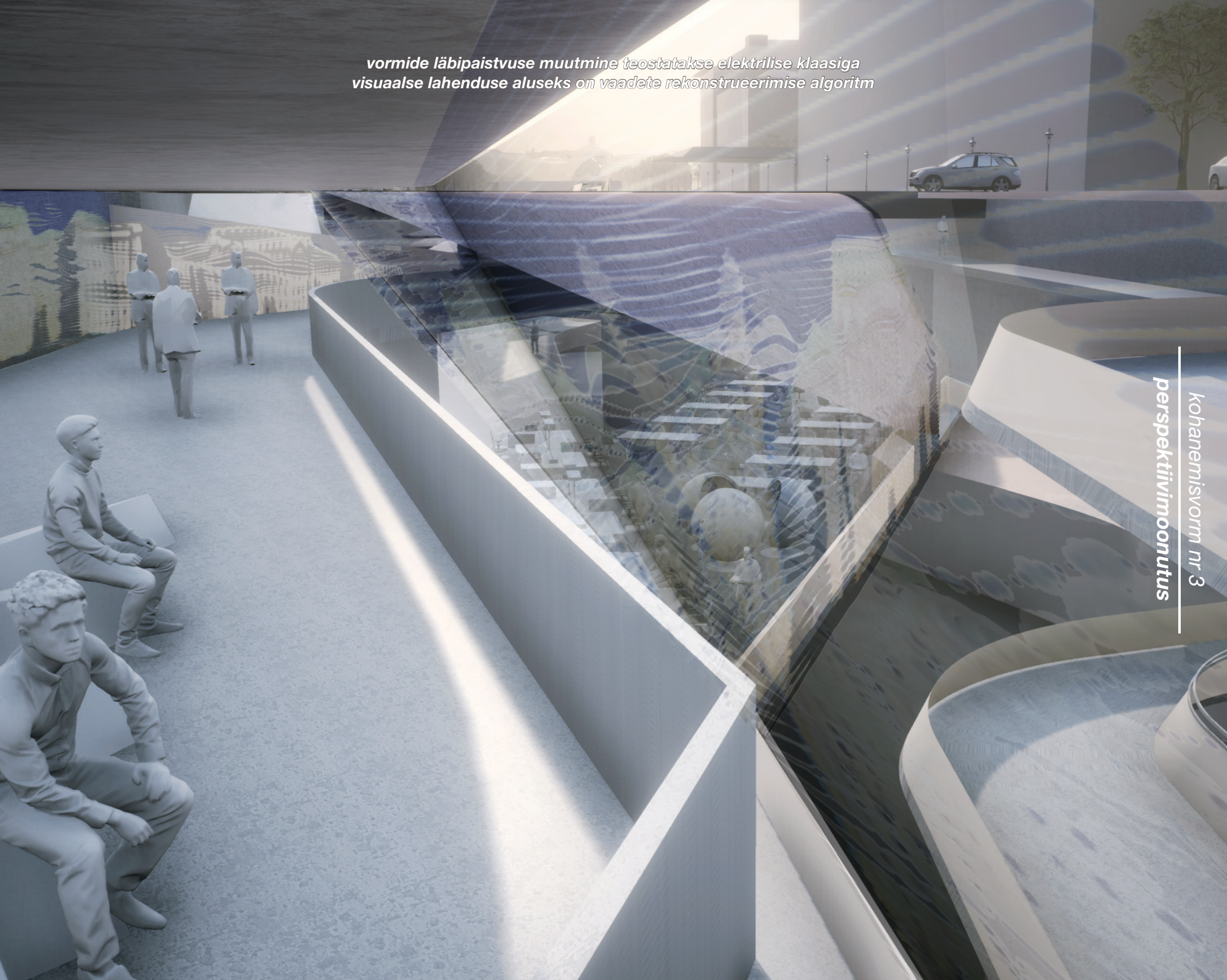


hoone maapealsed ja maa-alused ühendused
ministeeriumitekompleksiga

lähtestaadiumis uuritav virgus-valentus sektor:
negatiivne-aktiivne (häinrus)

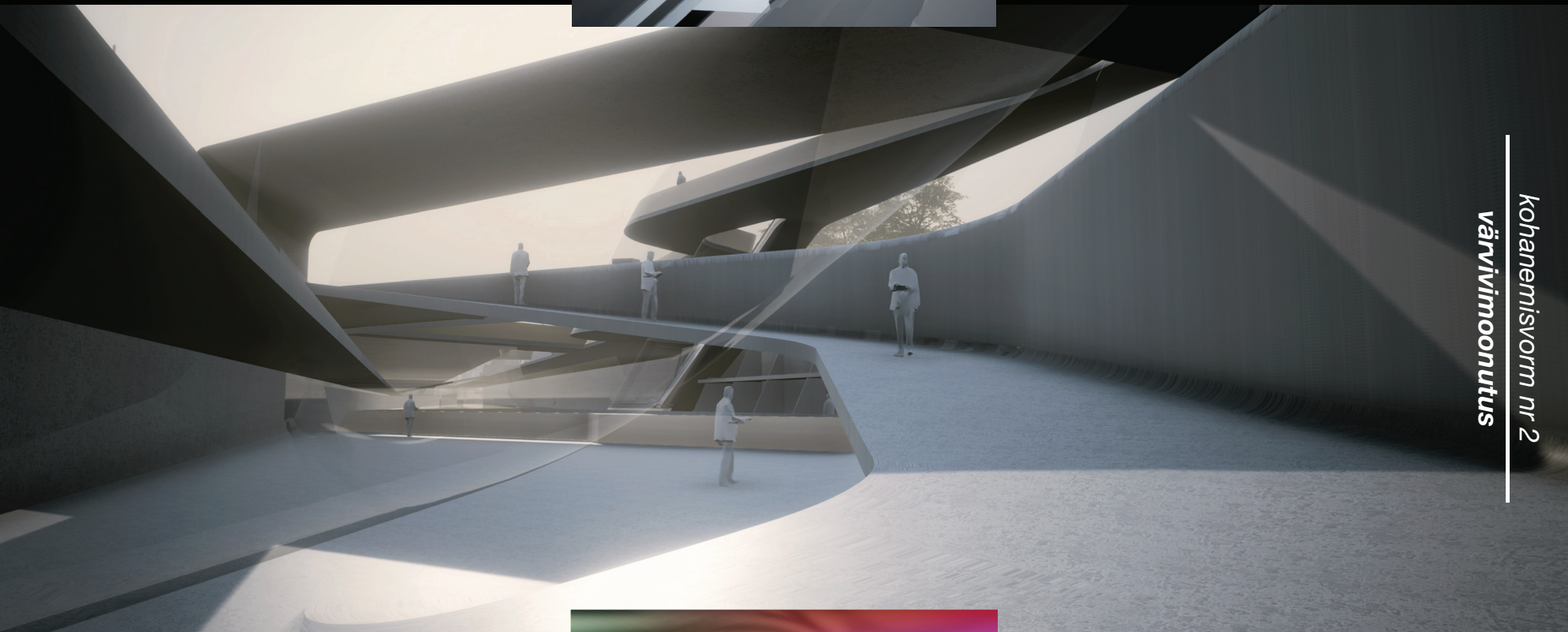
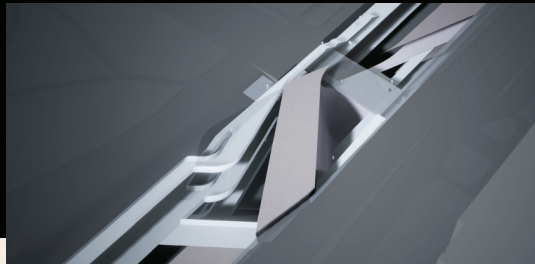
näitusepinda, ühistööala, uurimiskeskuse tööruume ning mediateeki ja väliala
siduv tsirkulatsioonidiagramm

*vormide läbipaistvuse muutmine teostatakse elektrilise klaasiga
visuaalse lahenduse aluseks on vaadete rekonstrueerimise algoritm*

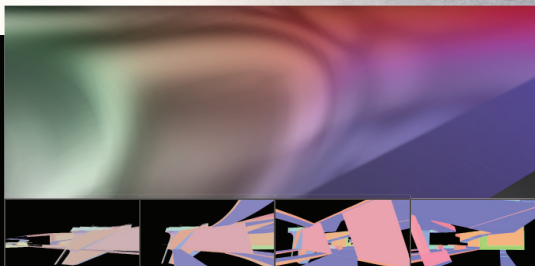


kohanemismuoto nr 3
perspektiivmuoto

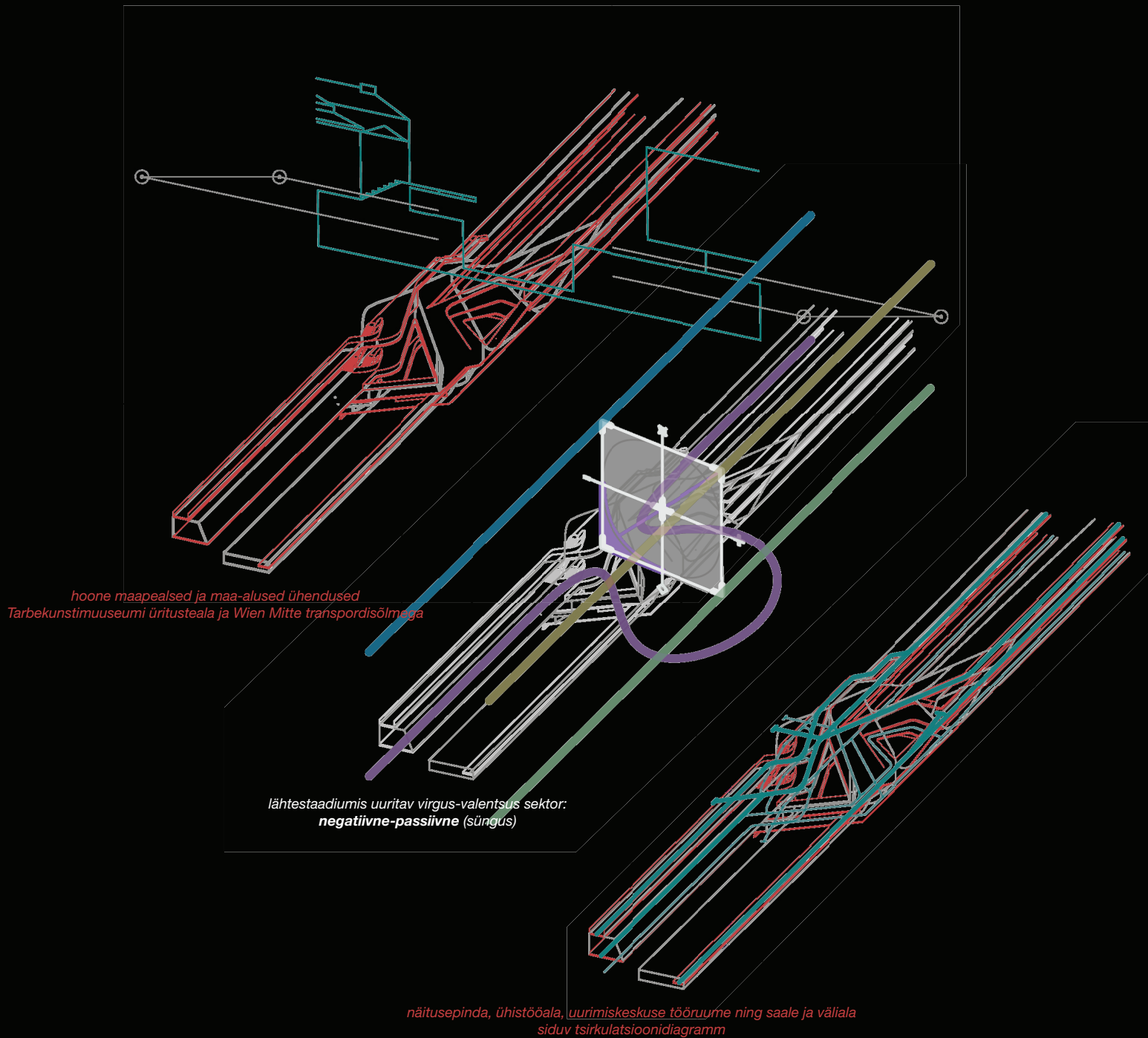
haaramaks innovatsioonilabori uurimiskeskonda maksimaalselt ristmikku läbivaid inimesi,
toimib hoone olemasoleva tänavastruktuuri kolmemõõtmelise jätkuna



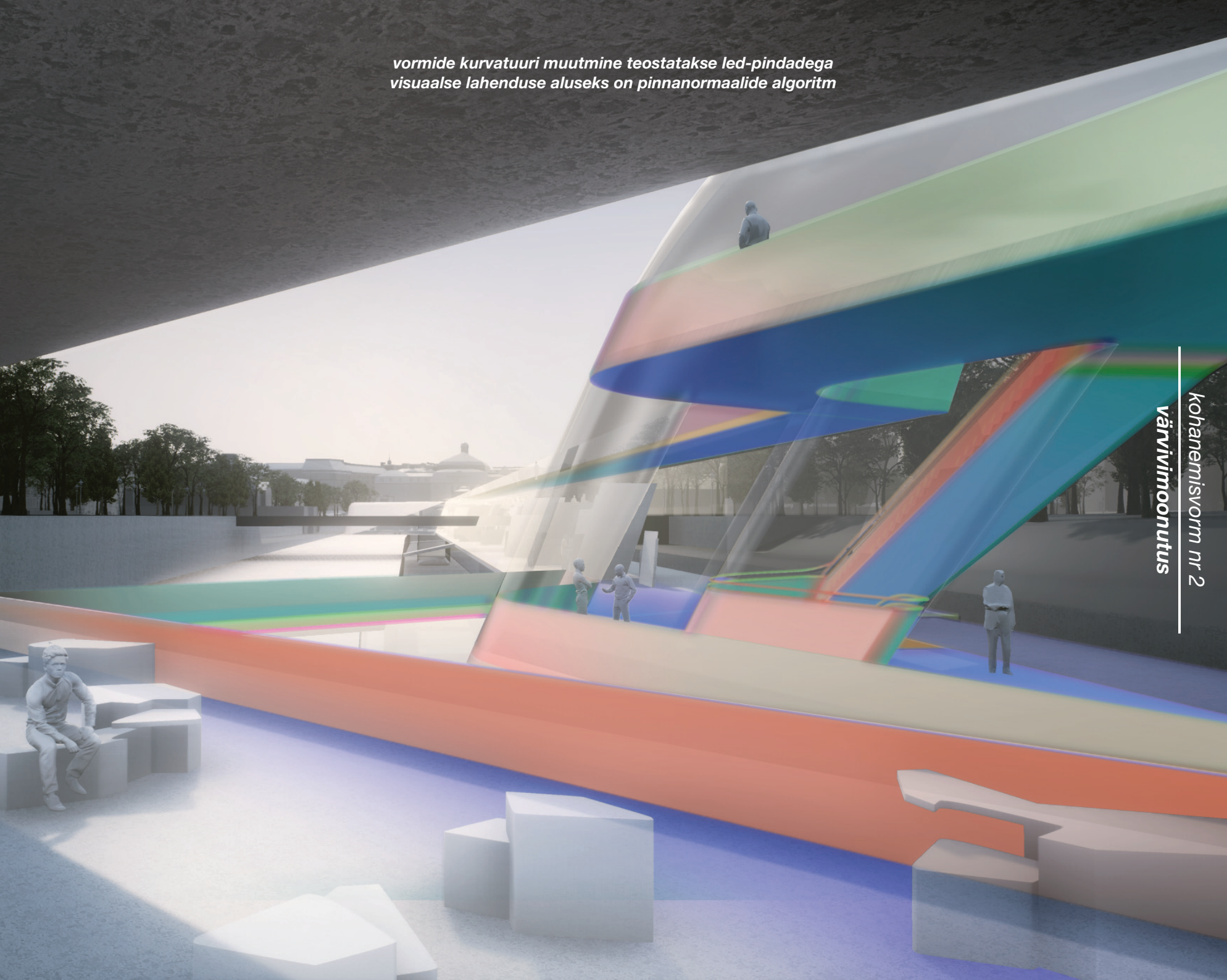
kohanemismvorm nr 2
värviinstallatsioon



ruumi näiliseid omadusi moonutatakse elamusandmetest lähtuva värviinstallatsiooniga

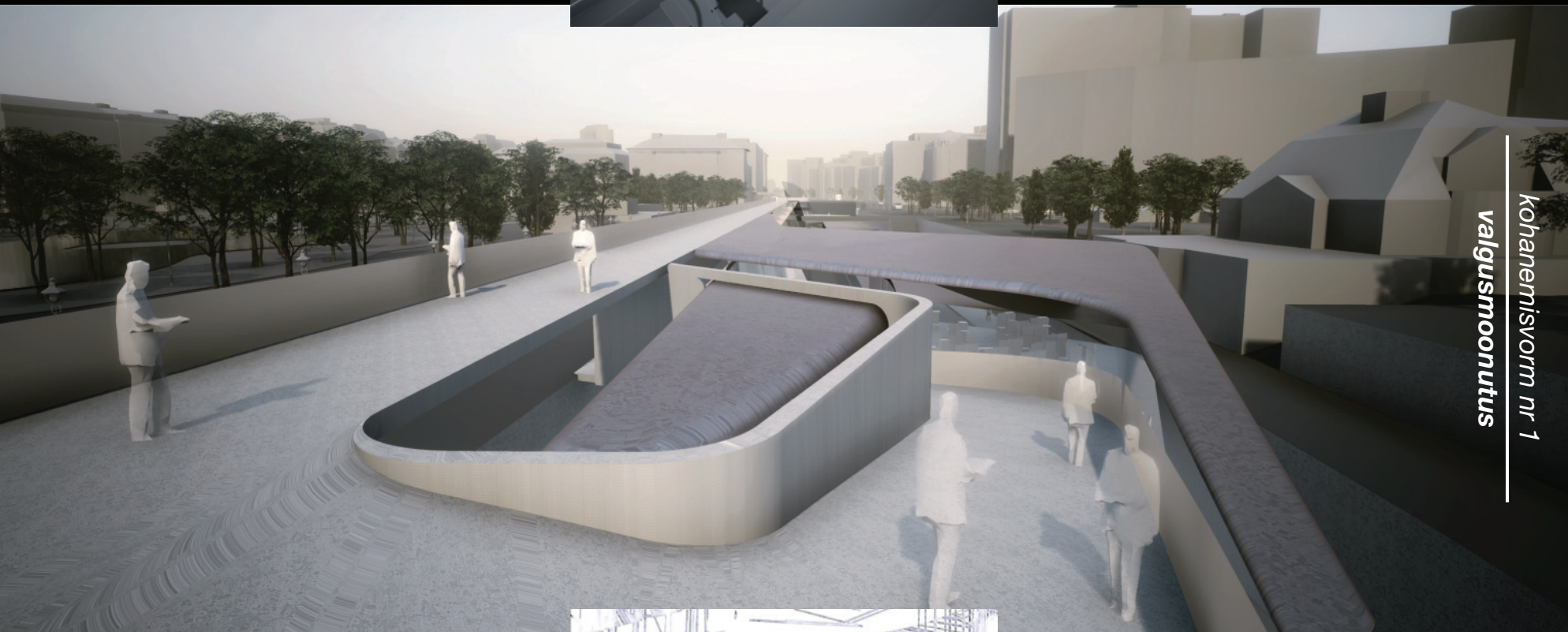
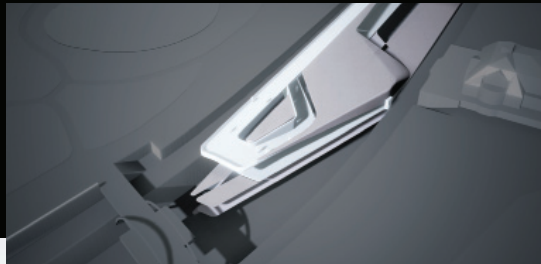


vormide kurratuuri muutmine teostatakse led-pindadega
visuaalse lahenduse aluseks on pinnanormaalide algoritm

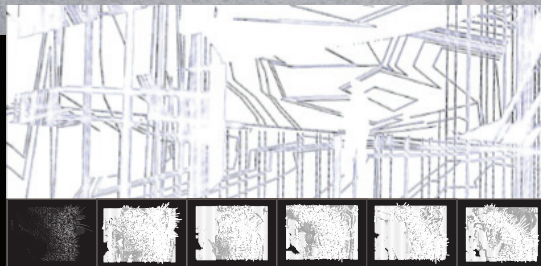


kohanemismvorm nr 2
värvimoonutus

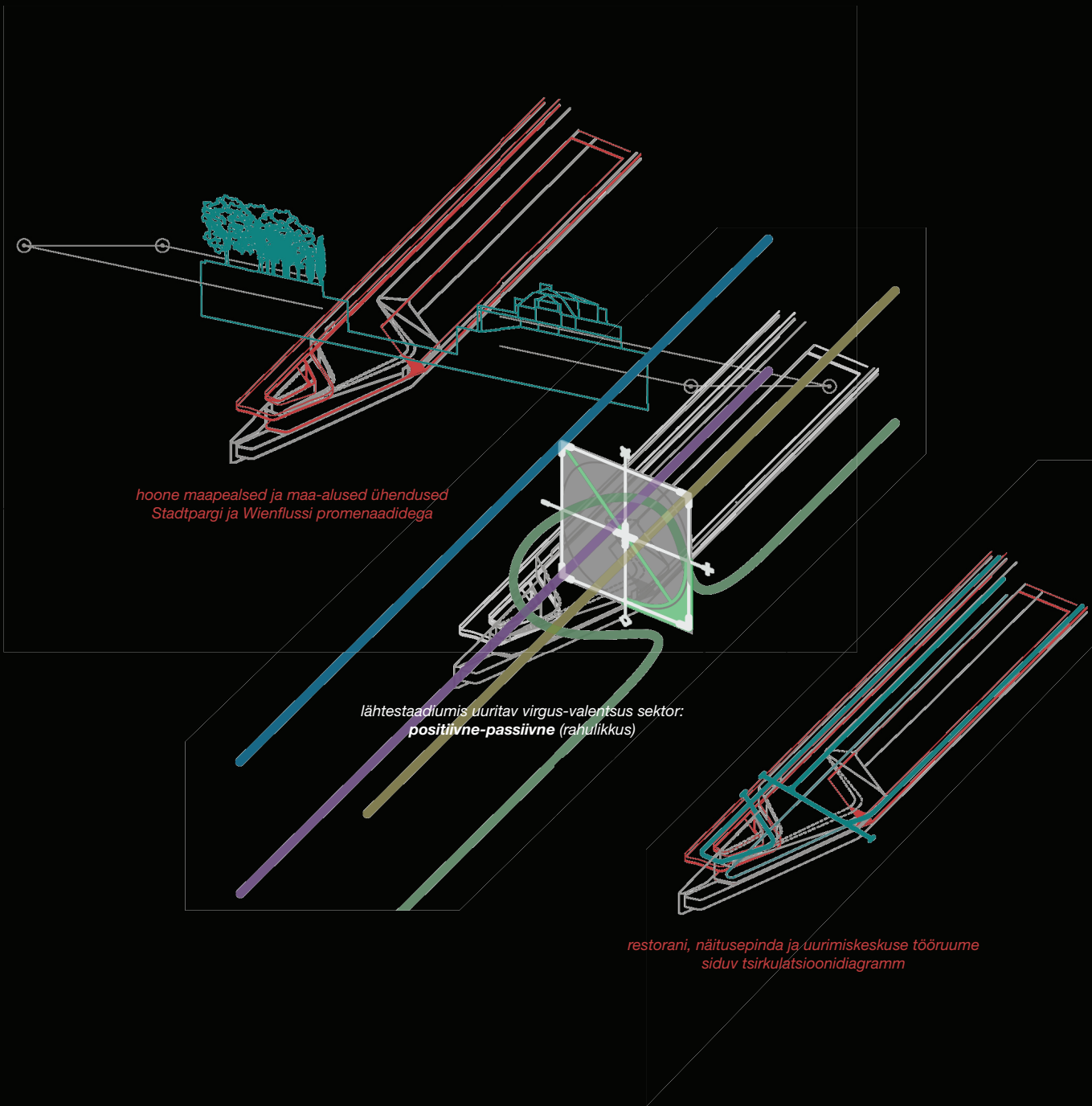
*ühendamaks Wienflussi ja Donaukanali katkevad promenaadid,
toimib hoone Stadtparki jätkava lineaarpargina*



*kohanemismuoto nr 1
valgusmuoto*



ruumi näiliseid omadusi muudetakse elamusandmetest lähtuva valgusinstallatsiooniga



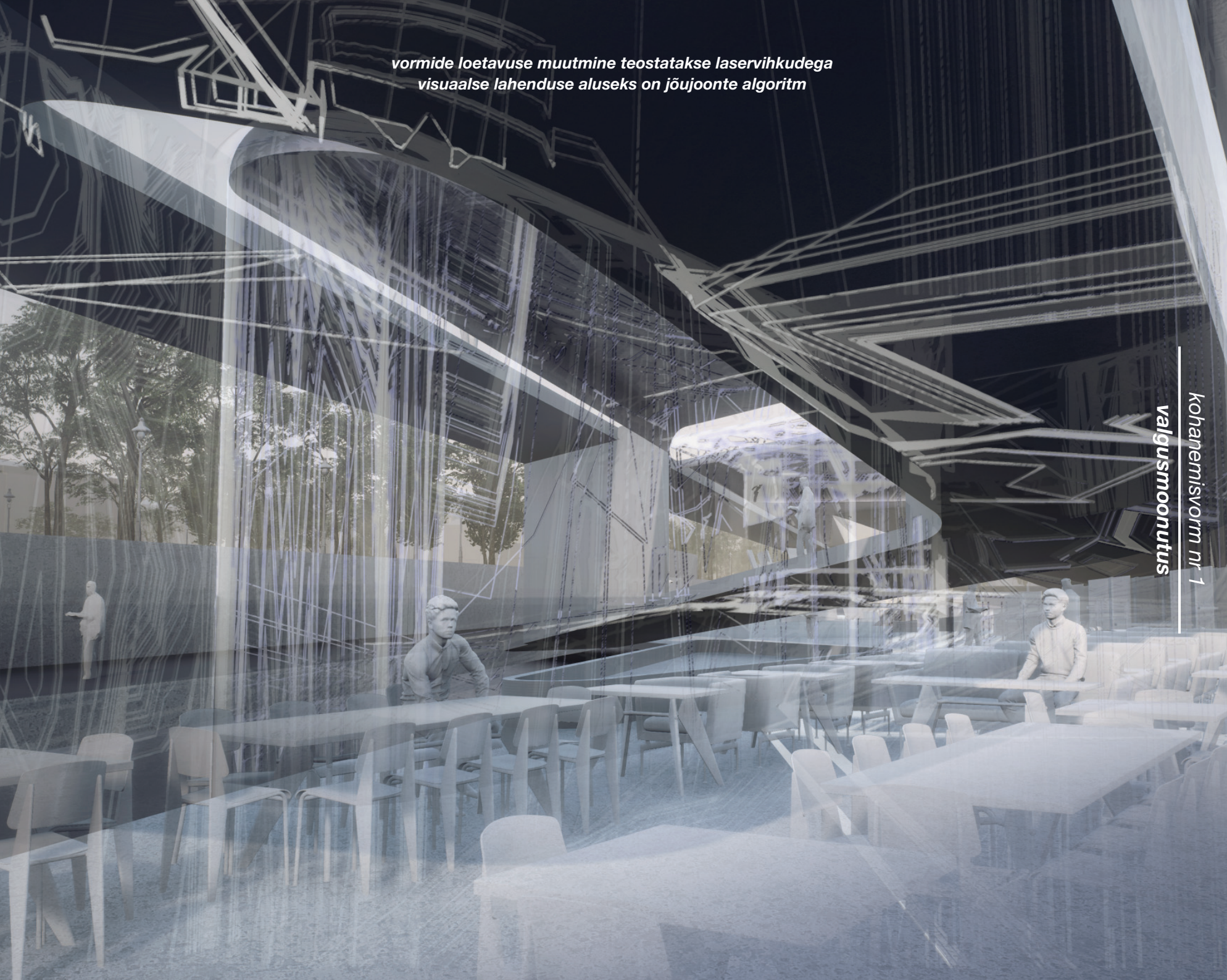
hoone maapealsed ja maa-alused ühendused
Stadtpargi ja Wienflussi promenaadidega

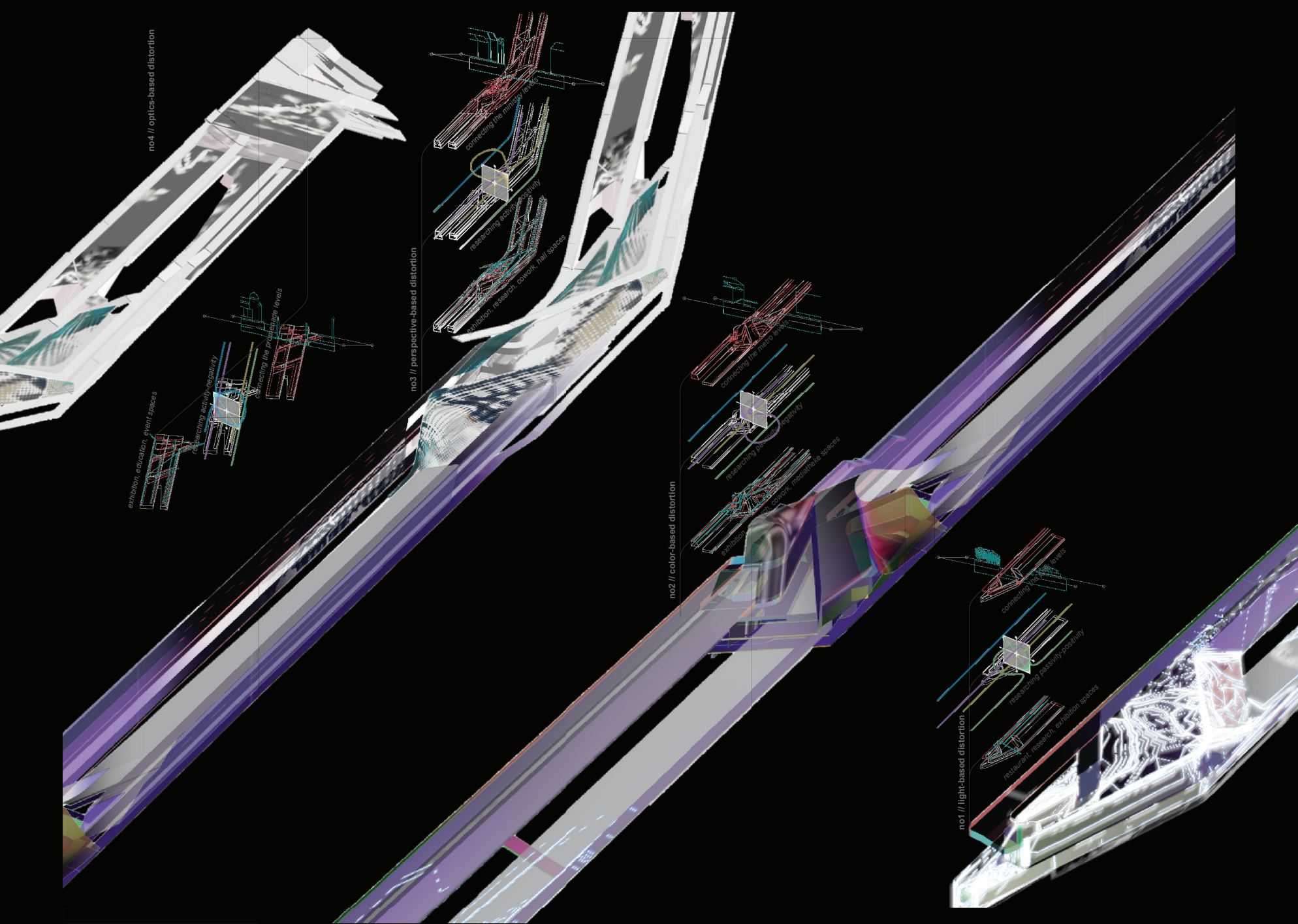
lähtestaadiumis uuritav virgus-valentsus sektor:
positiivne-passiivne (rahulikkus)

restorani, näitusepinda ja uurimiskeskuse tööruume
siduv tsirkulatsioonidiagramm

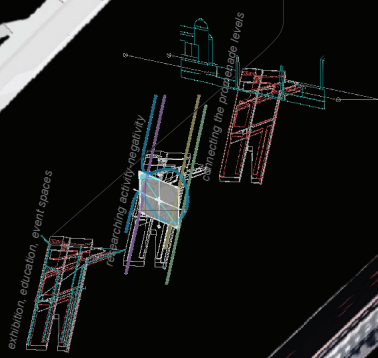
*vormide loetavuse muutmise teostamiseks laservihkudega
visuaalse lahenduse aluseks on jõujoonte algoritm*

*kohanemismuutmuud nr 1
valgusmuutmuud*

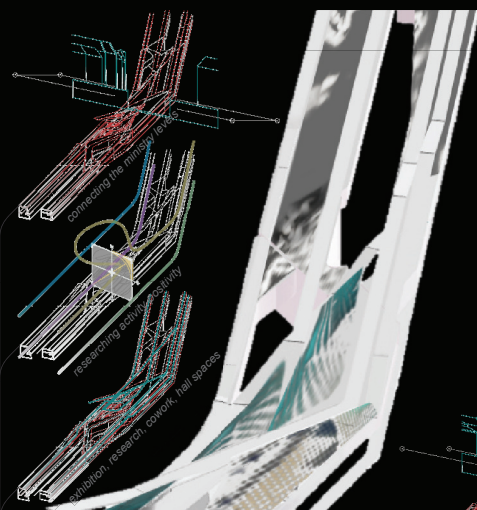




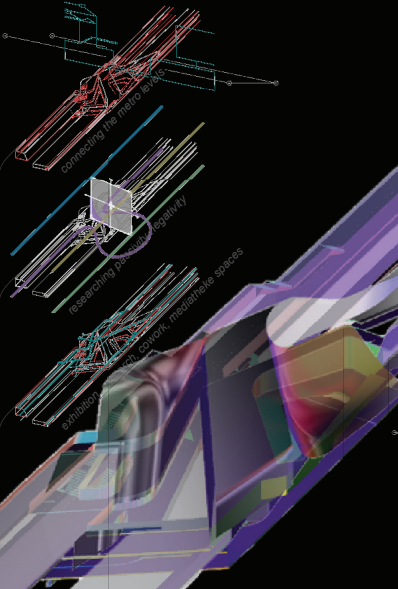
no4 // optics-based distortion



no3 // perspective-based distortion



no2 // color-based distortion



no1 // light-based distortion

