

RESPACE

sustainable construction technology

Massa maatwerk in remontabele transformatie projecten



“Van het totale vastgoedoppervlak stond 2 procent administratief leeg op 1 januari 2019. Dit komt neer op ruim 30 miljoen vierkante meters die niet in gebruik waren.”

Centraal Bureau voor de Statistiek



leegstaand vastgoed



industriële hallen



loodsen



kerken



monumenten



kantoren

scholen

gymzalen



potentie



wonen



werken



horeca



hospitality

zorg



Gebouwen transformeren met een prefab bouwsysteem

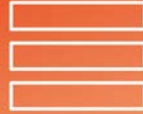


haalbaarheidsstudie

het
60x60cm
grid



het
programma
van eisen



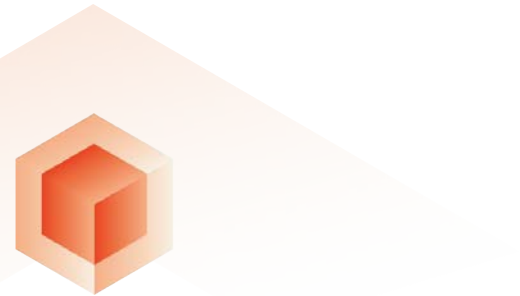
het
brand
concept



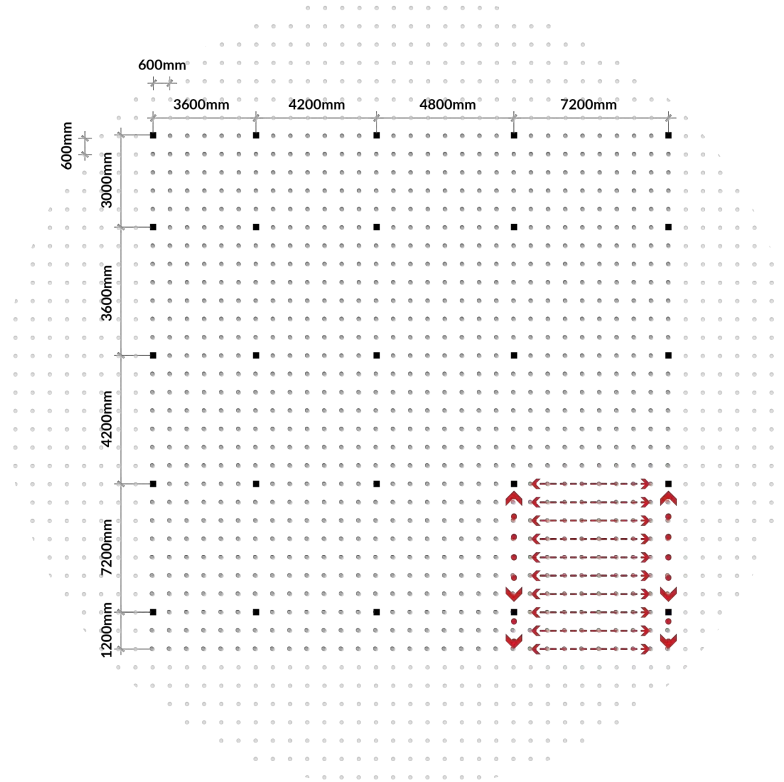
het
daglicht
concept



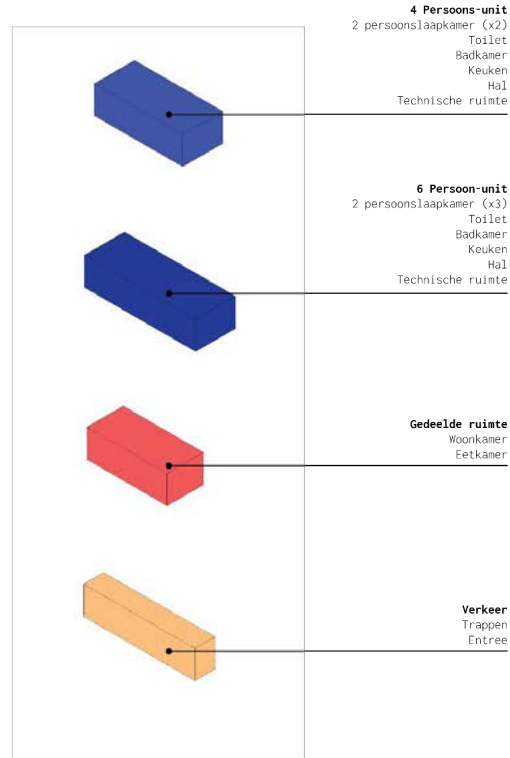
extra
daglicht



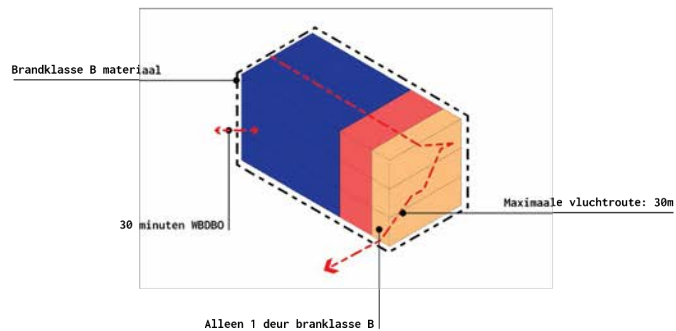
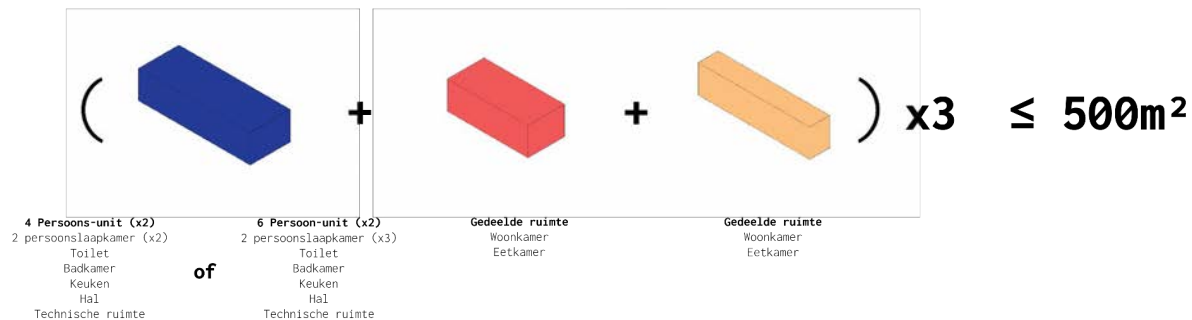
grid



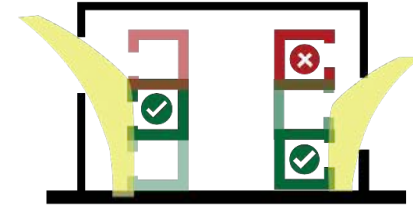
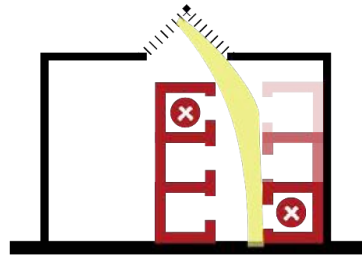
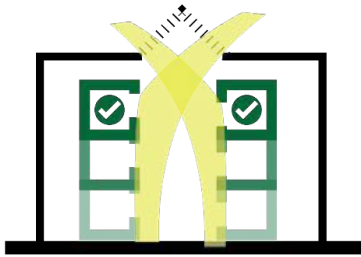
programma van eisen



brand concept



daglicht concept



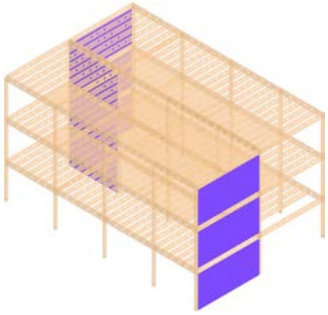
VOLDOENDE



ONVOLDOENDE



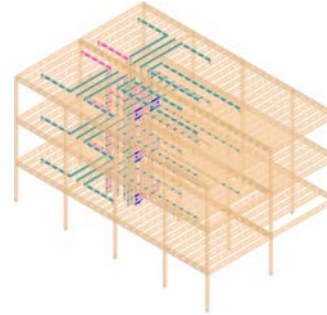
bouwkundige detaillering



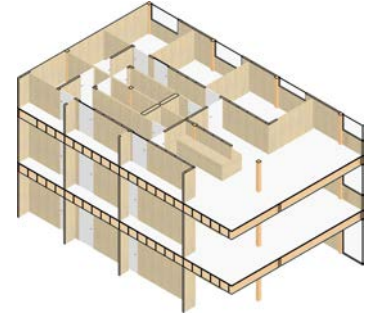
constructie



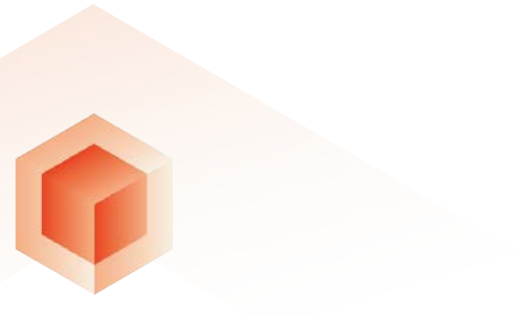
brandveiligheid



installaties

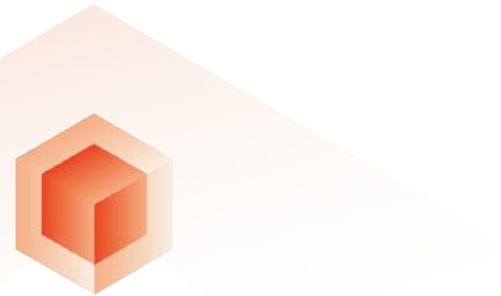


akoestiek



"Met deze systemen kunnen we een hele nieuwe vorm van woningbouw toevoegen. Goedkoper, flexibeler en sneller in te zetten."

Floris Alkemade - Rijksbouwmeester 2015-2021



prefab en circulair



CNC



bouwpakket



circulair



flexibel



details



schroefloze wanden



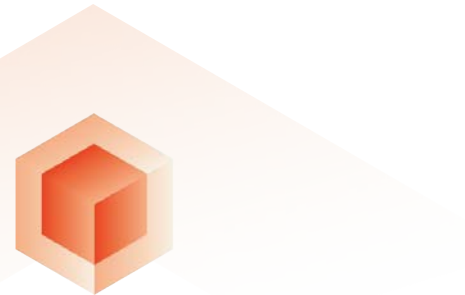
Japanse houtverbindingen



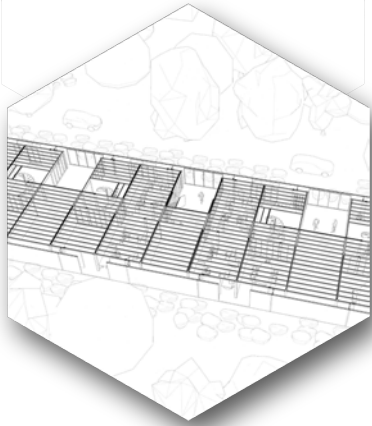
andreaskruizen



trillingsvrije vloer



parametrisch en industrie 4.0



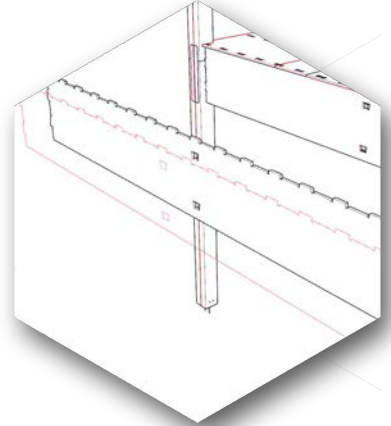
digital twins



materialenpaspoort



massa maatwerk
(parametrisch)



file2factory

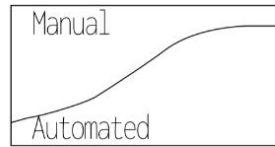


Global planning

Workflow
over
time



Element generation
Count & Price calc
CnC Nesting
etc.



Specials

Manual



Grasshopper automated

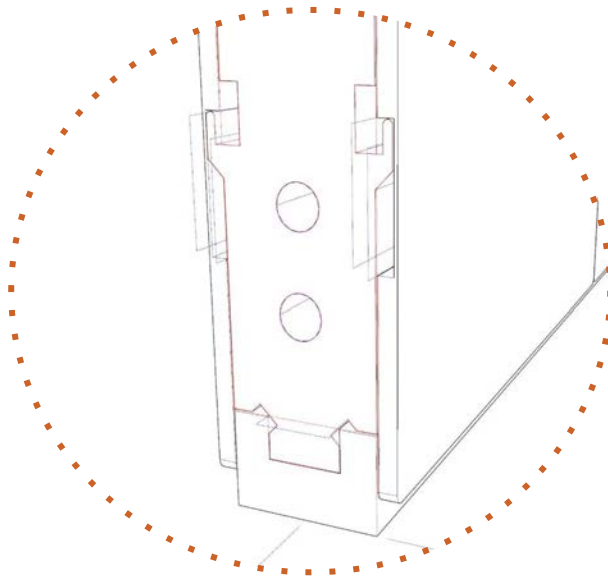
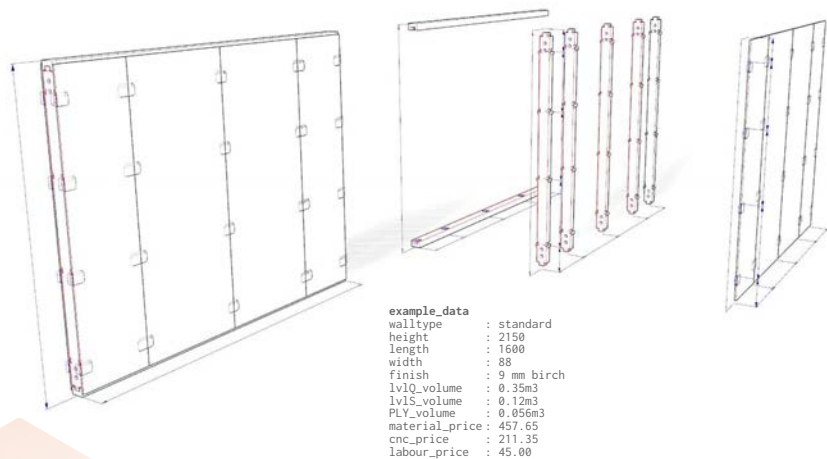


Agnostic engine

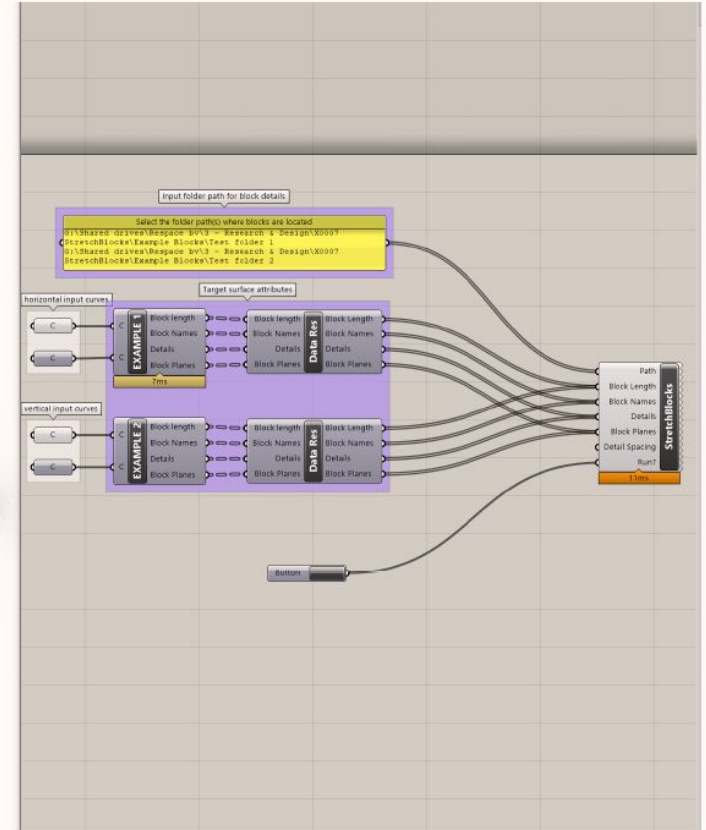
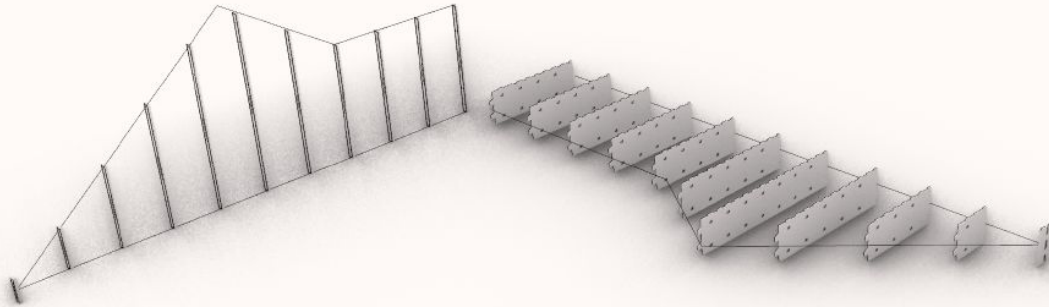
C#
Python

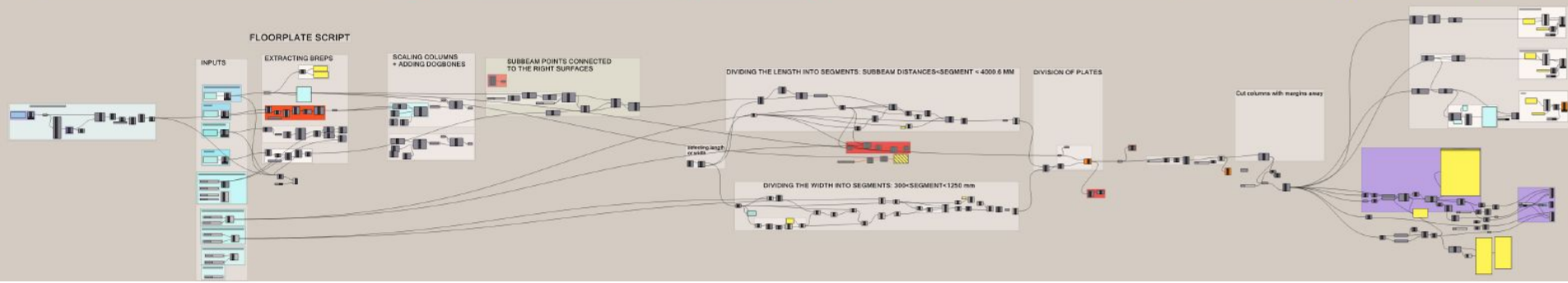


Embedded data & relational complexity



Stretchblock script





Voorbeeld projecten



KD Lab Delft



werken - 2.000 m²

hightech campus voor start-ups & scale-ups - wordt over 10 jaar vervangen door woningen - in 3 maanden geassembleerd



The New Farm Den Haag

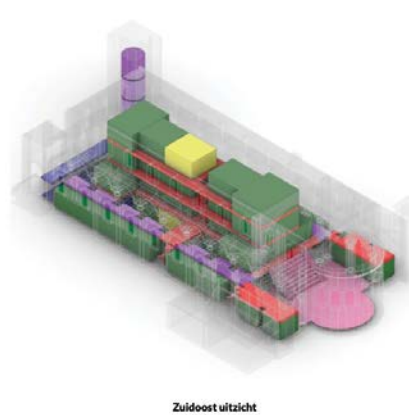


werken - 1.900 m²

split level - geen aanpassingen in de schil - 3 maanden assemblage op locatie



Steentjeskerk Eindhoven



werken of short stay - 1.500 m2

geen aanpassingen in de schil - 3 maanden assemblage op locatie



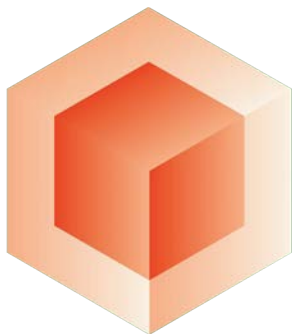
Werkspoorfabriek Utrecht



werken - 3.500 m²

werkruimten voor 40 start-ups - genomineerd voor gebouw van het jaar 2020





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`respace.nl // eldin@respace.nl`

