

TMVW 15 december 2011

Integrale duurzame keuze van vloeren

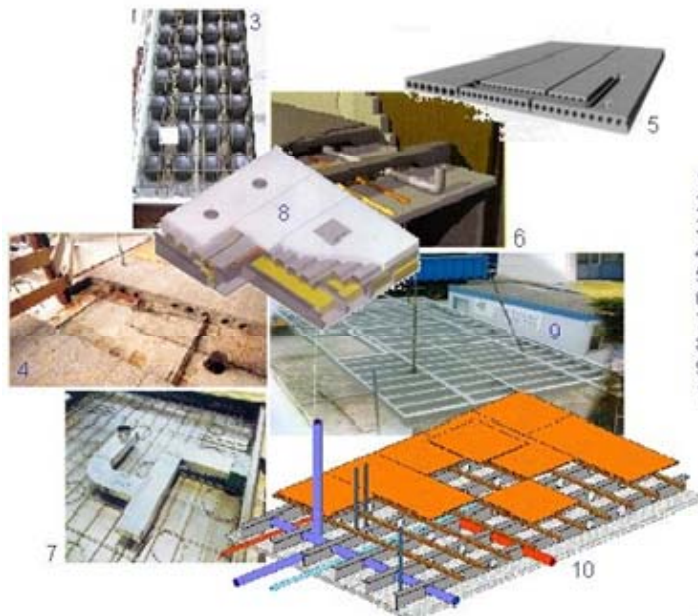
SLIMLINE®  
BUILDINGS

Ger van der Zanden

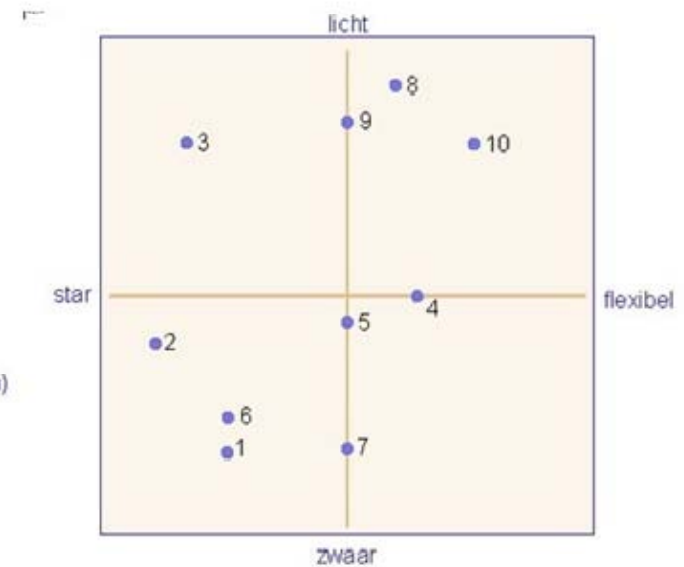
# Wat is er veranderd in de wereld van de vloeren?

## positioneringskaart vloeren

*licht - zwaar* *star - flexibel*



1. breedplaatvloer
2. kanaalplaatvloer
3. Bubble-deck
4. Wingvloer
5. VBI-leidingvloer
6. Nehobo-vloersysteem
7. Orion/IBC
8. IDES (Cepezed/Corus/VanDam)
9. Steefframe
10. Infra+

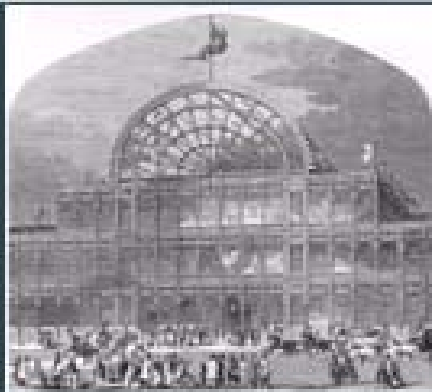


# Wat is er veranderd in de wereld van de vloeren?

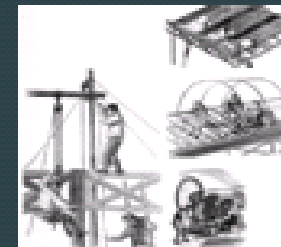
## Functies van een vloer

- dragen van verticale belasting
- onderdeel hoofddraagconstructie, schijfwerking
- juridische,- akoestische en brandwerende scheiding
- herbergen installaties
- thermisch comfort verzorgen

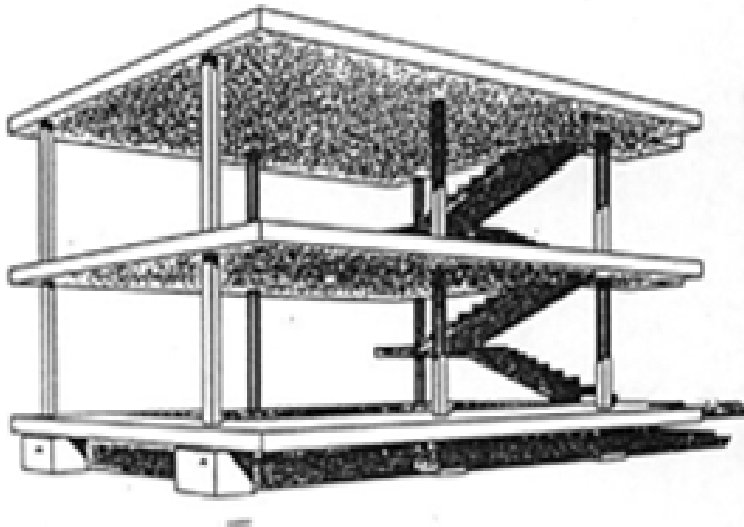
# Wereldtentoonstelling 1851



Crystal Palace  
1851



## Dominohuis - 1914

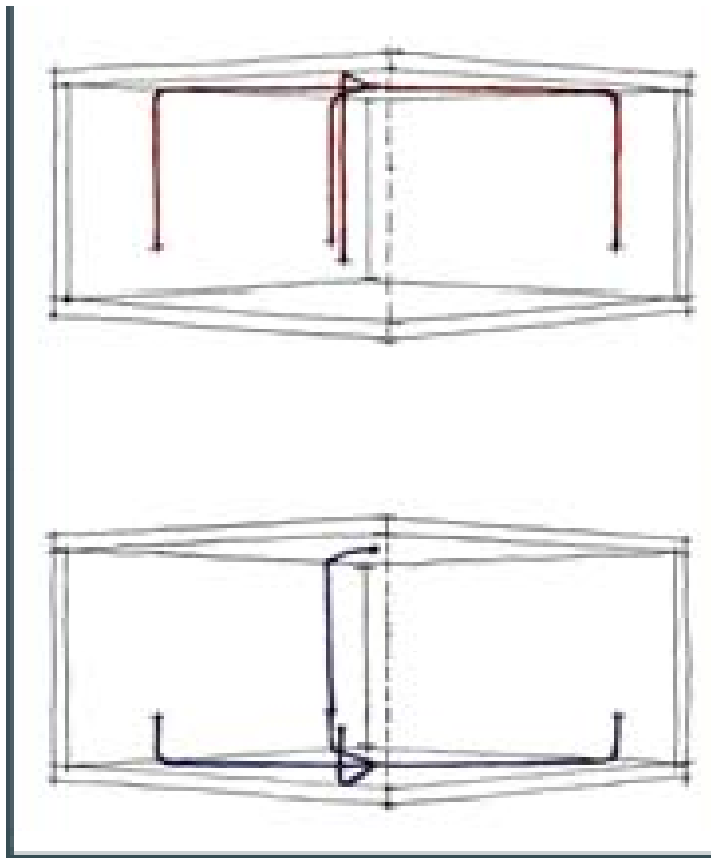


CONSTRUCTION OF THE HOUSE  
BY THE CONCRETE WORKERS  
OF THE DOM-INO HOUSE, PARIS, 1914



Le Corbusier

## Waar komen de leidingen?



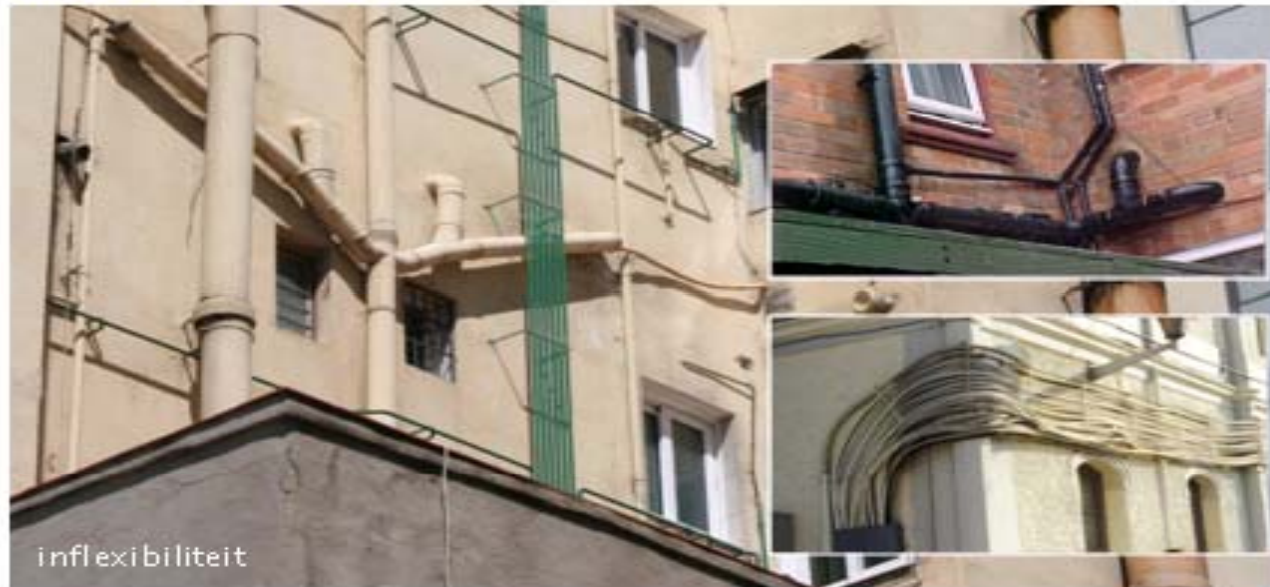
# Centre Pompidou





# Oplossingen bij 'herbestemming'

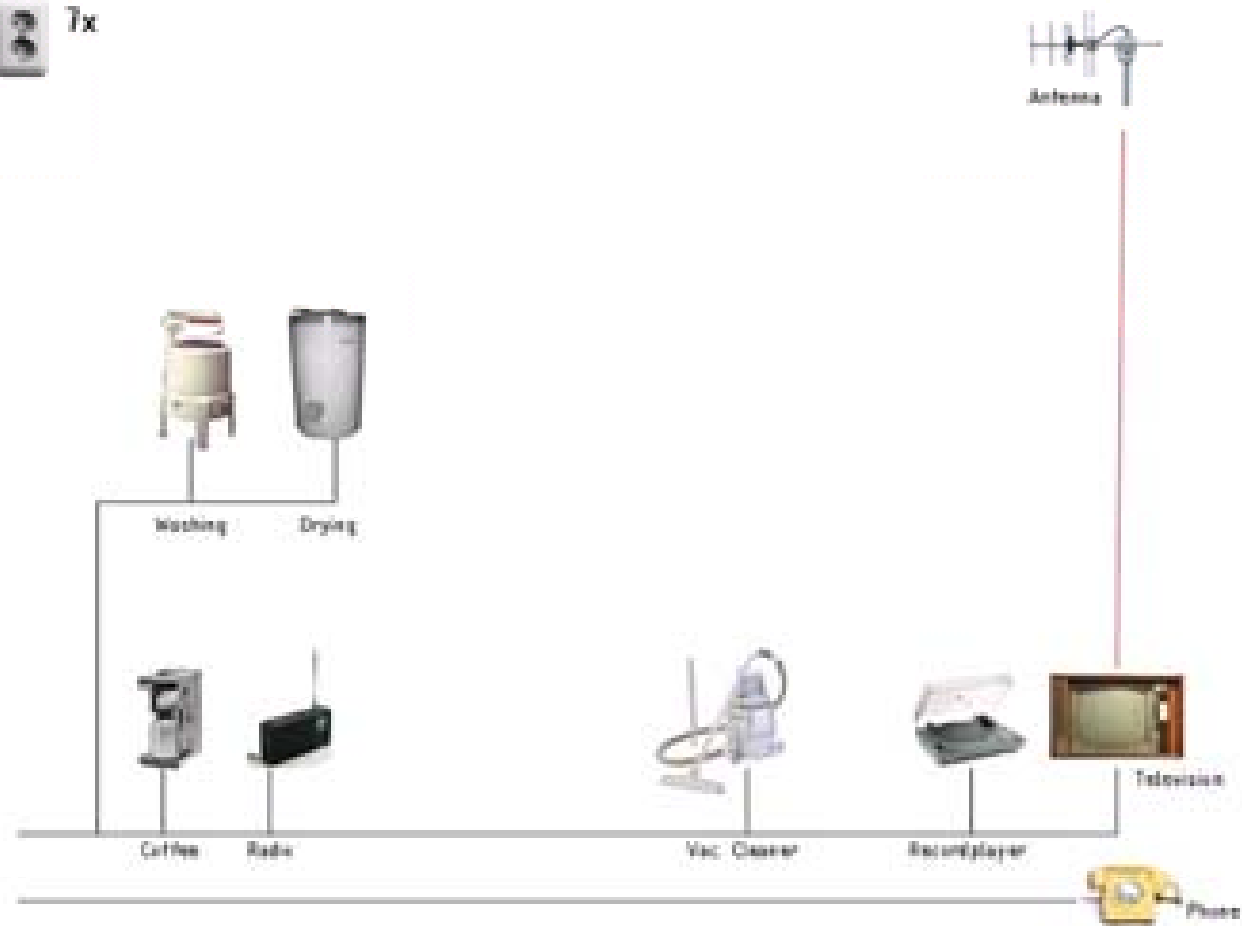
## Centre Pompidou?



inflexibiliteit



# 50 jaar geleden



# Nu



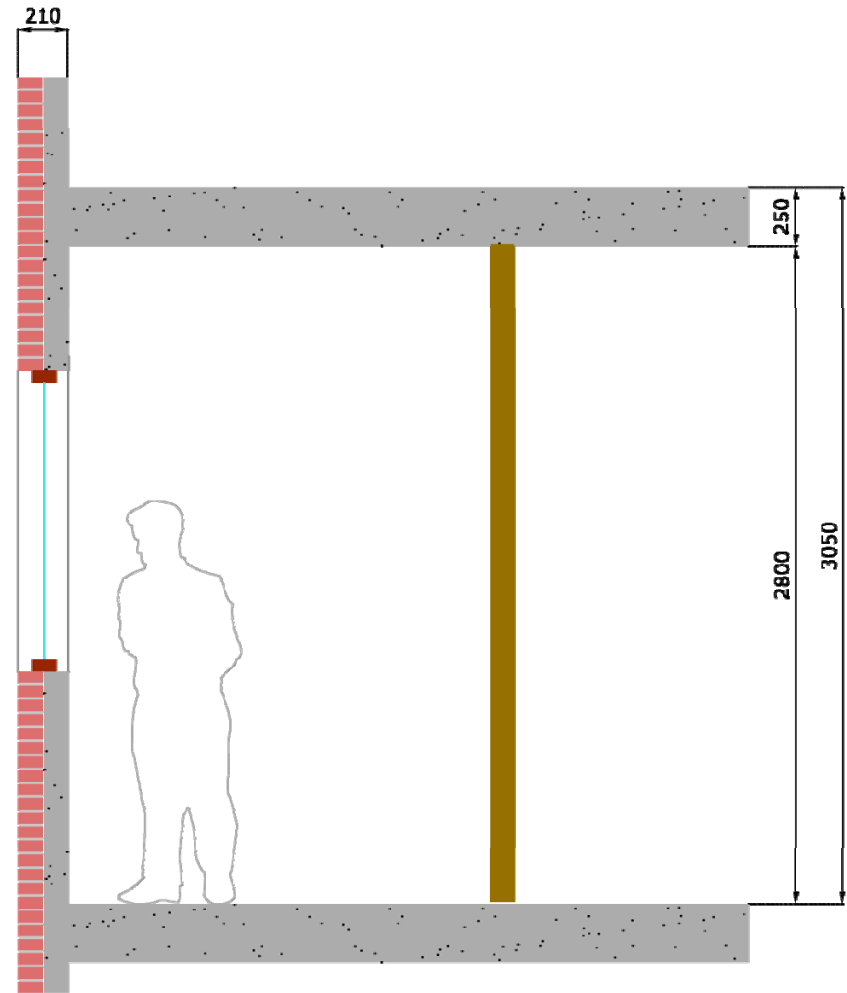
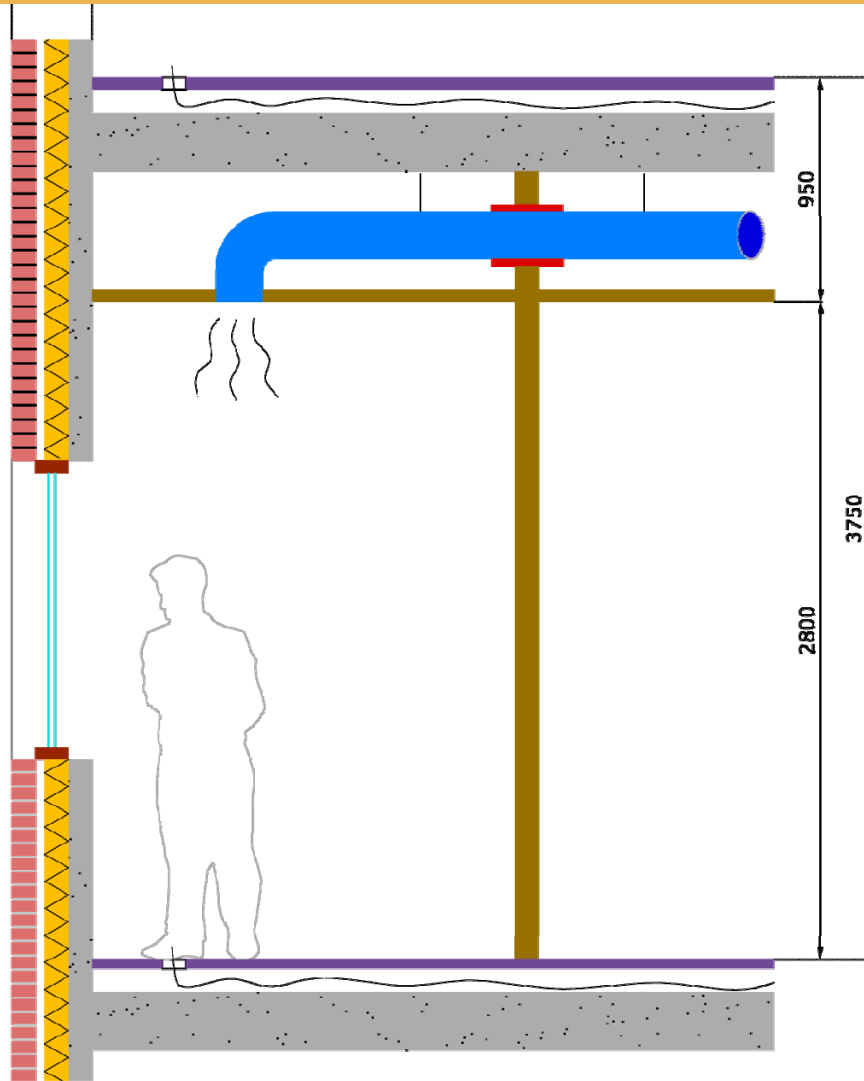
## Herbergen installaties



## Herbergen installaties



Toename bouw volume > 20 %





# Slimmer ?





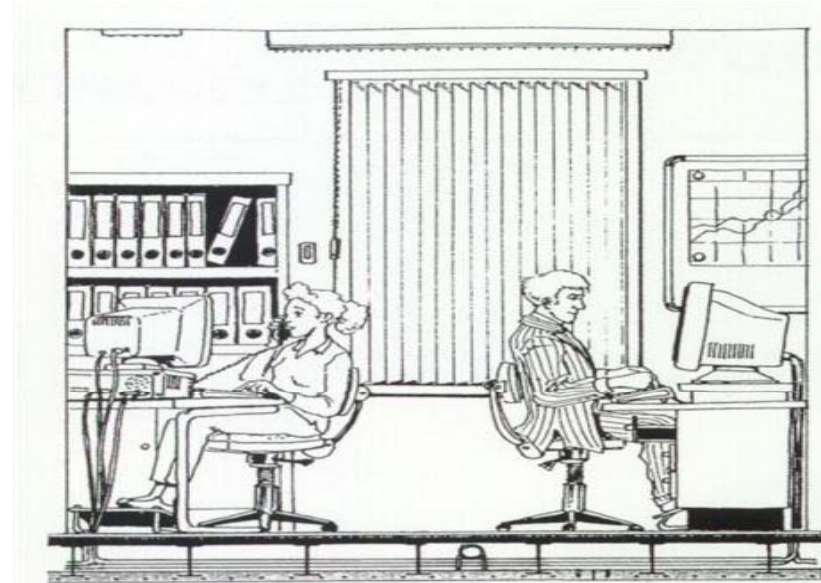
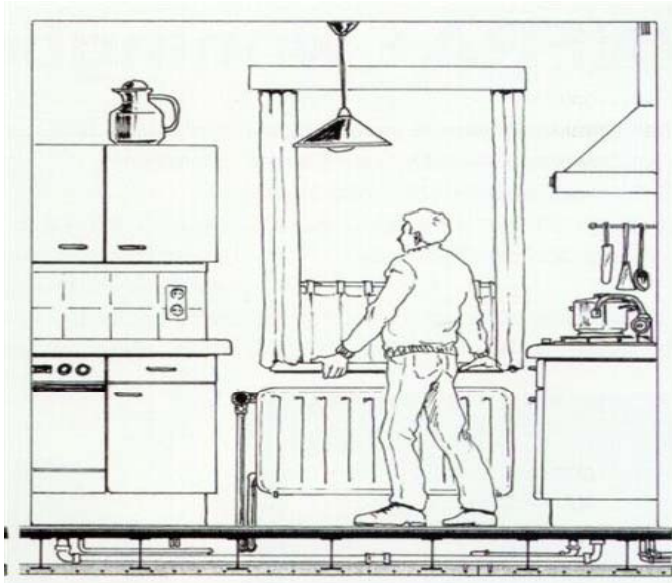
De laatste keer

„bereikbaar“

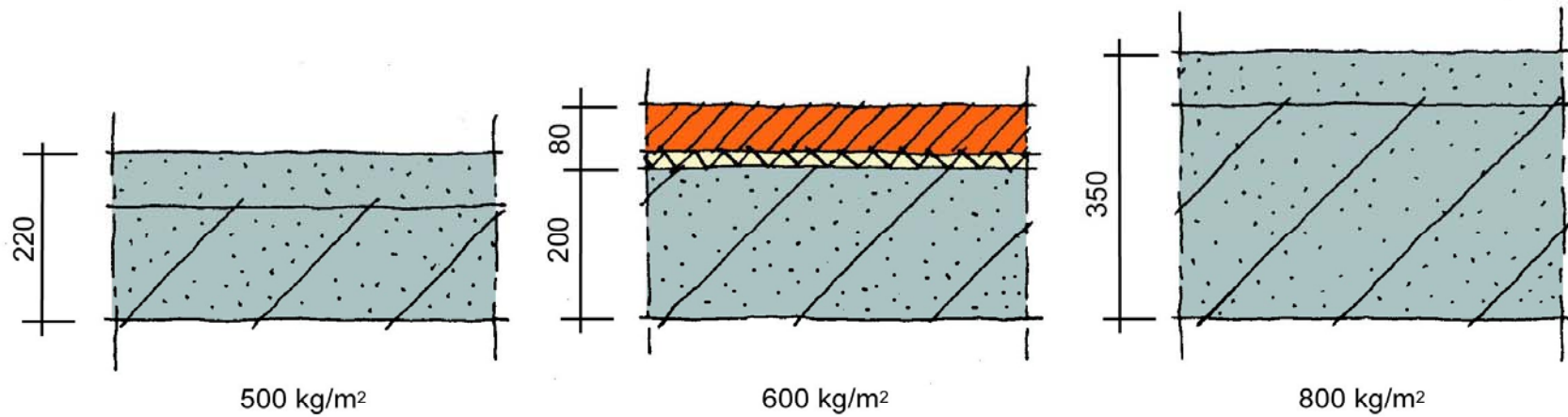




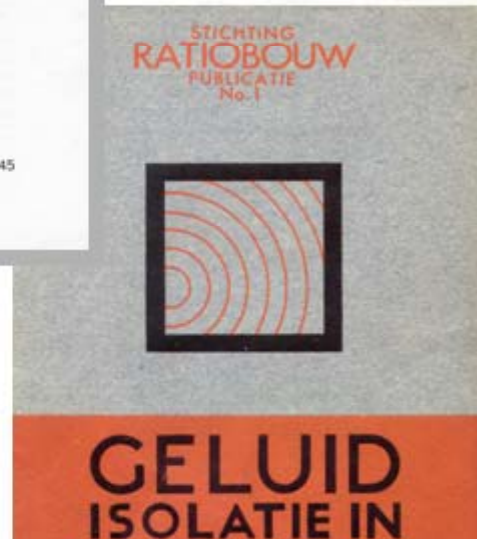
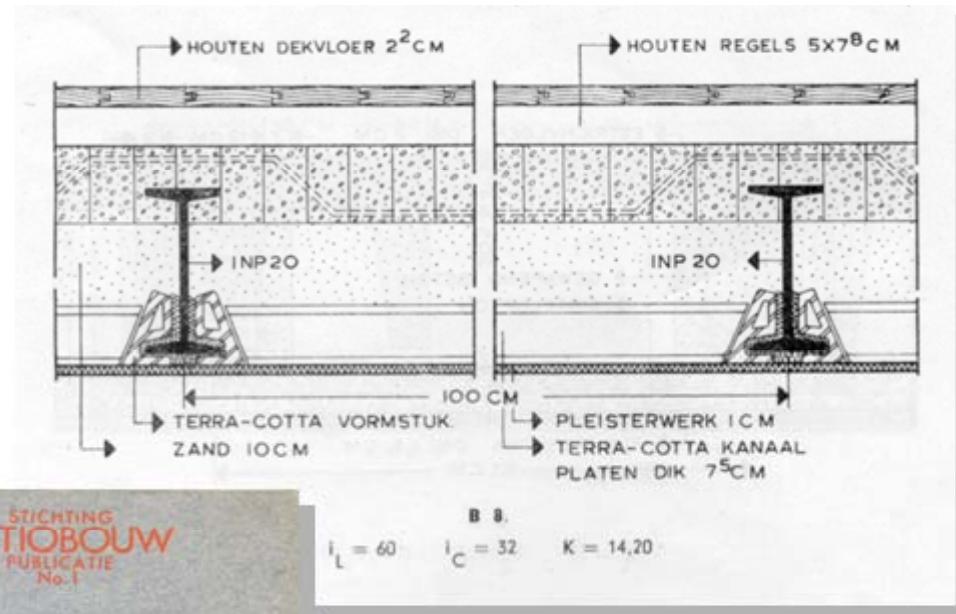
# Wonen of werken ?

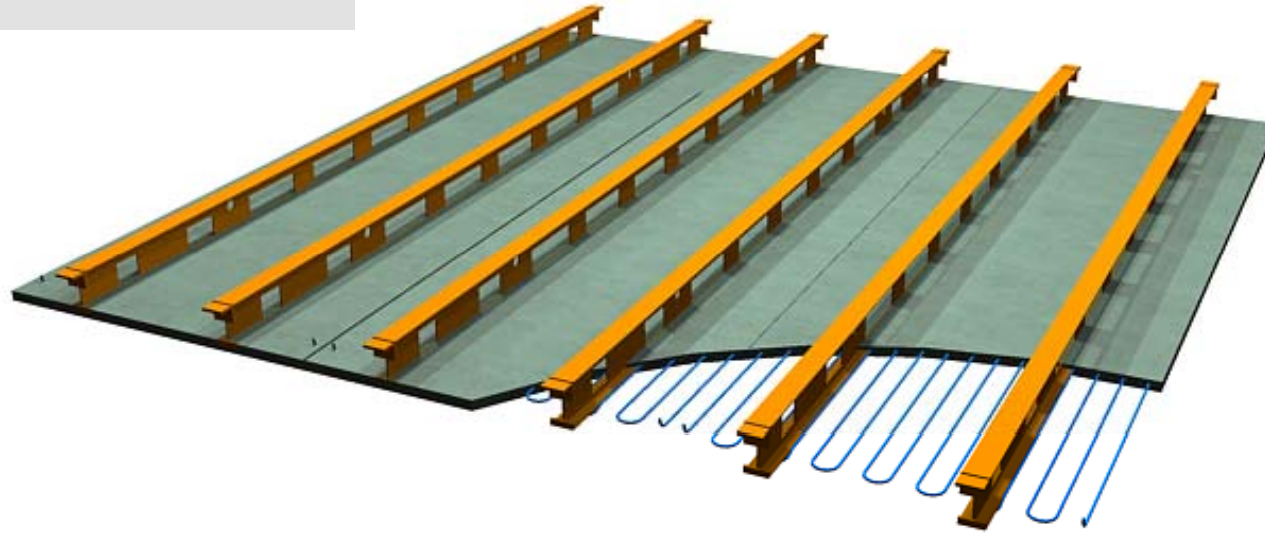


# Akoestische scheiding



# Akoestische scheiding anno 1938





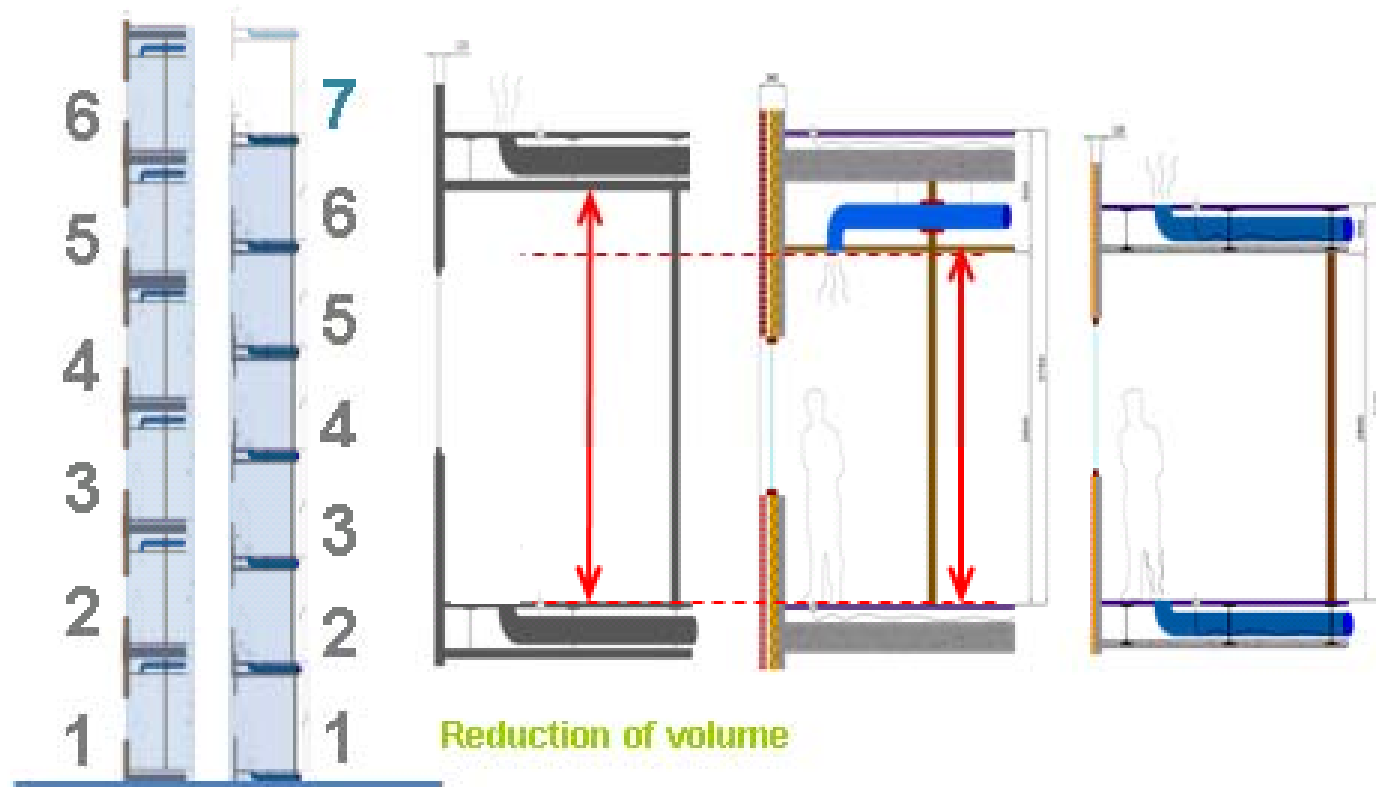
## SLIMLINE OPLOSSING

- Betonschil 70 mm
- Toepassing op dragende gevels of skeletstructuur ook 'herbestemming'

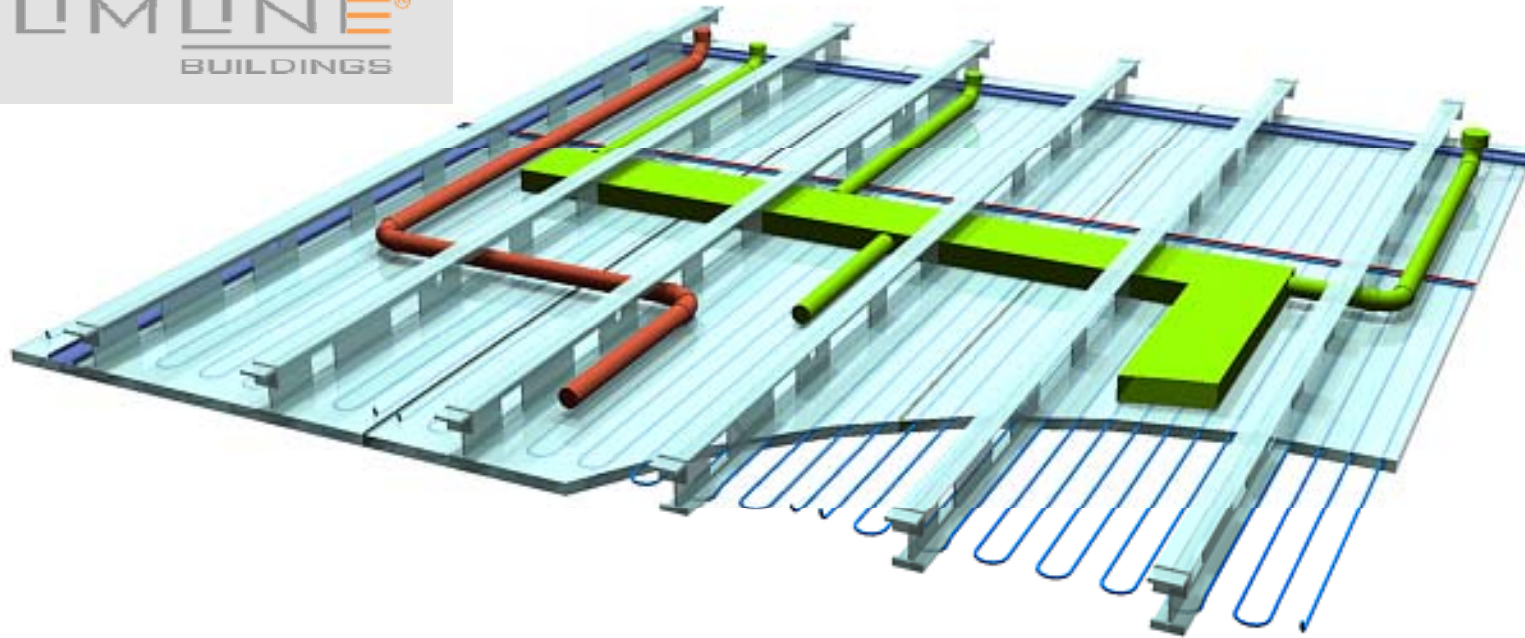


# 7 in plaats van 6 verdiepingen

## Smart Construction





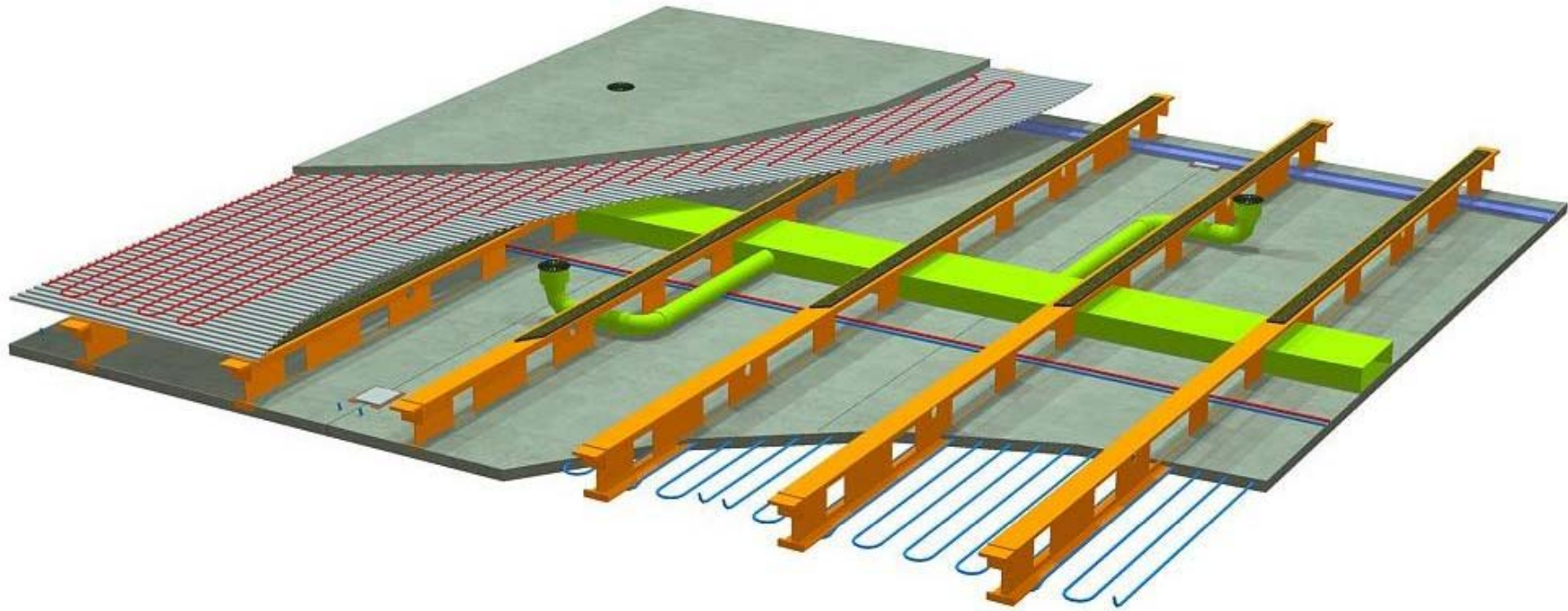


## Alle leidingen in de vloer

- Bereikbaar binnen eigen juridische ruimte
- Door toepassing 'bouwdeelactivering' minder en kleinere luchtkanalen.

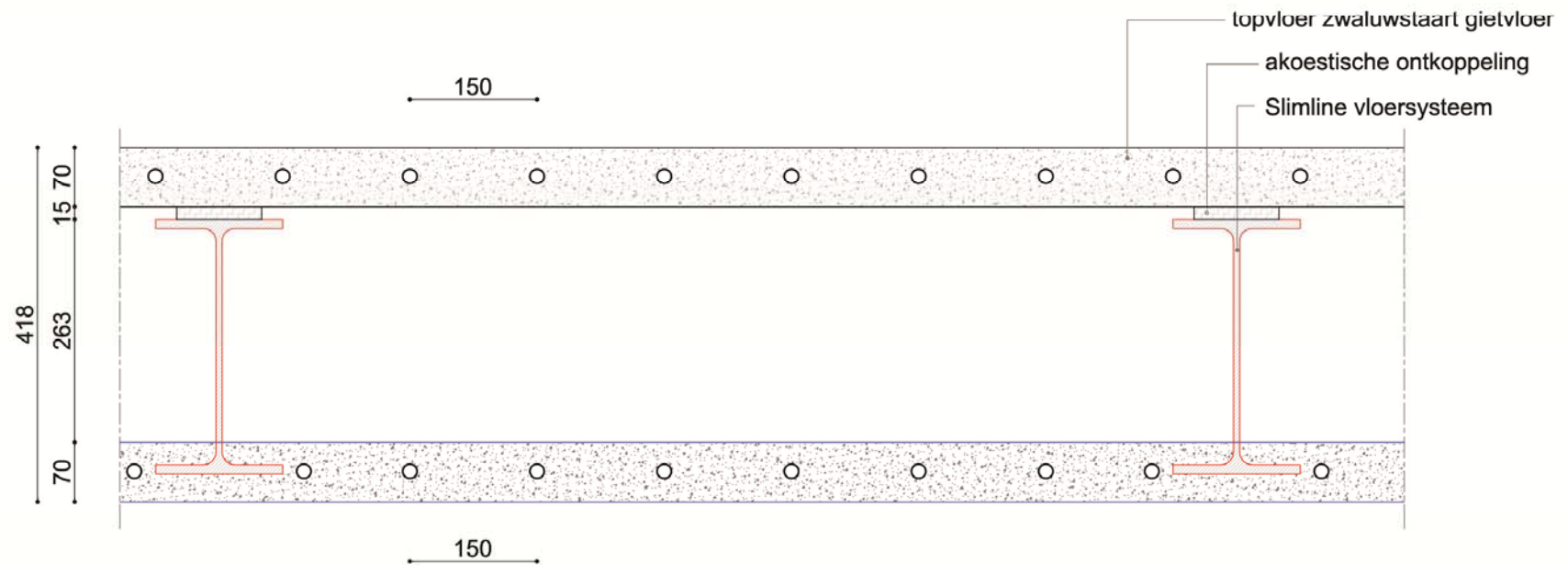


# Thermisch Comfort





# Thermisch comfort



# Topvloer met 'flex zones'

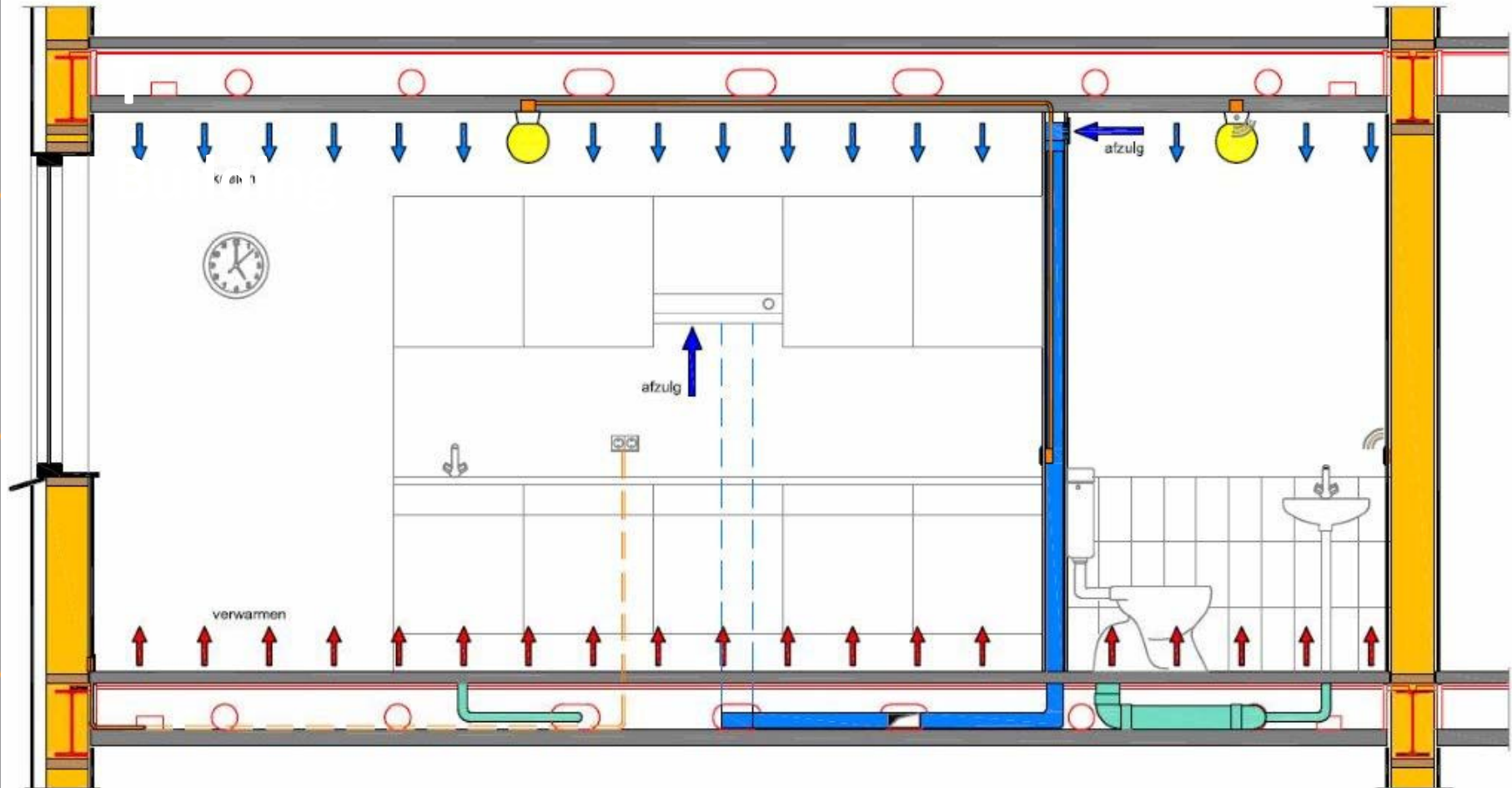


# Topvloer als 'computervloer'





## Optimale integratie van installaties



# Project Kraanspoor

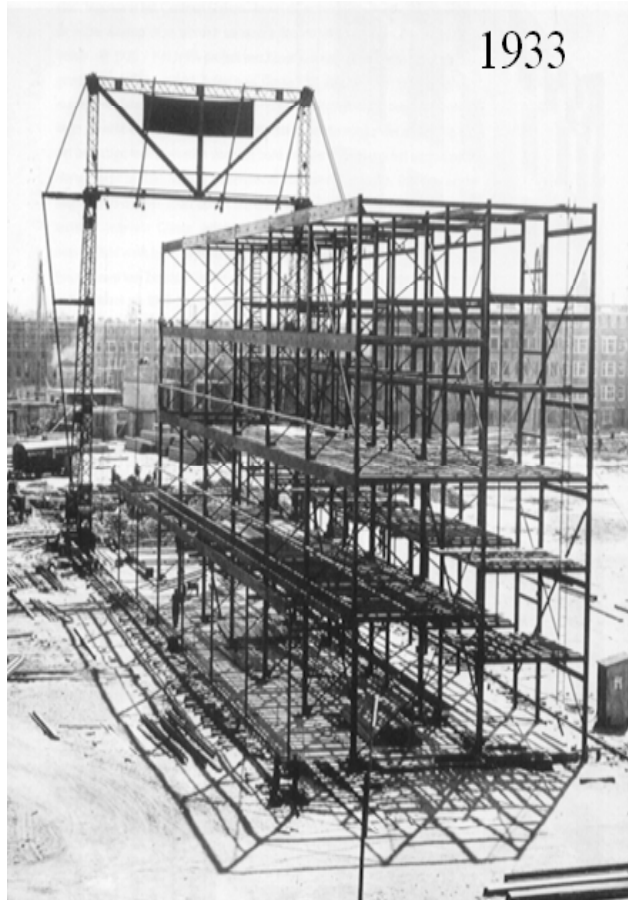


# Project Kraanspoor





# Project; La Fênetre





# Project Het Funen

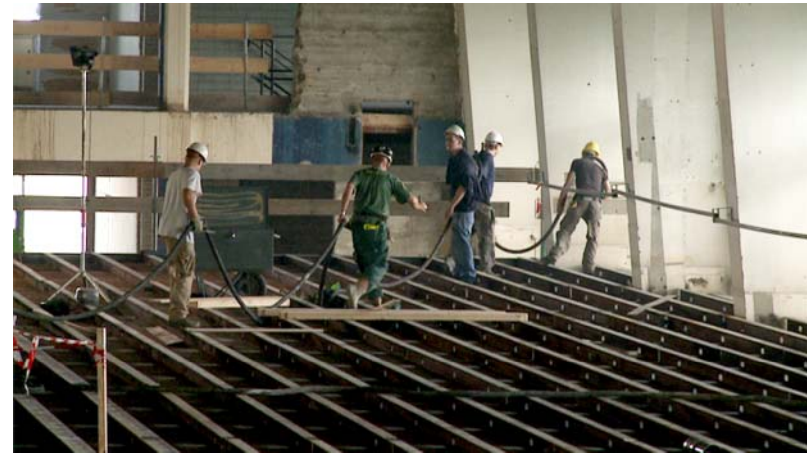


# Project; Rabobank de Lier





# Project; Central Post Rotterdam



## Project; Tasmantoren





## Project; Crystal Court



# Project; Crystal Court





# Project: TMVW Gent



Slimline met IPE 600  
overspanning 16.2 meter

# Project: Politiecommissariaat Brugge



Opdrachtgever: Stad Brugge  
Ontwerper: Lieven Achtergael i.s.m. Stéphane Beel  
Studiebureau: Technum Tracebel  
Aannemer: Wyckaert Bouwonderneming  
Afwerking: Wycor  
Gebouwentechneken: Cegelec

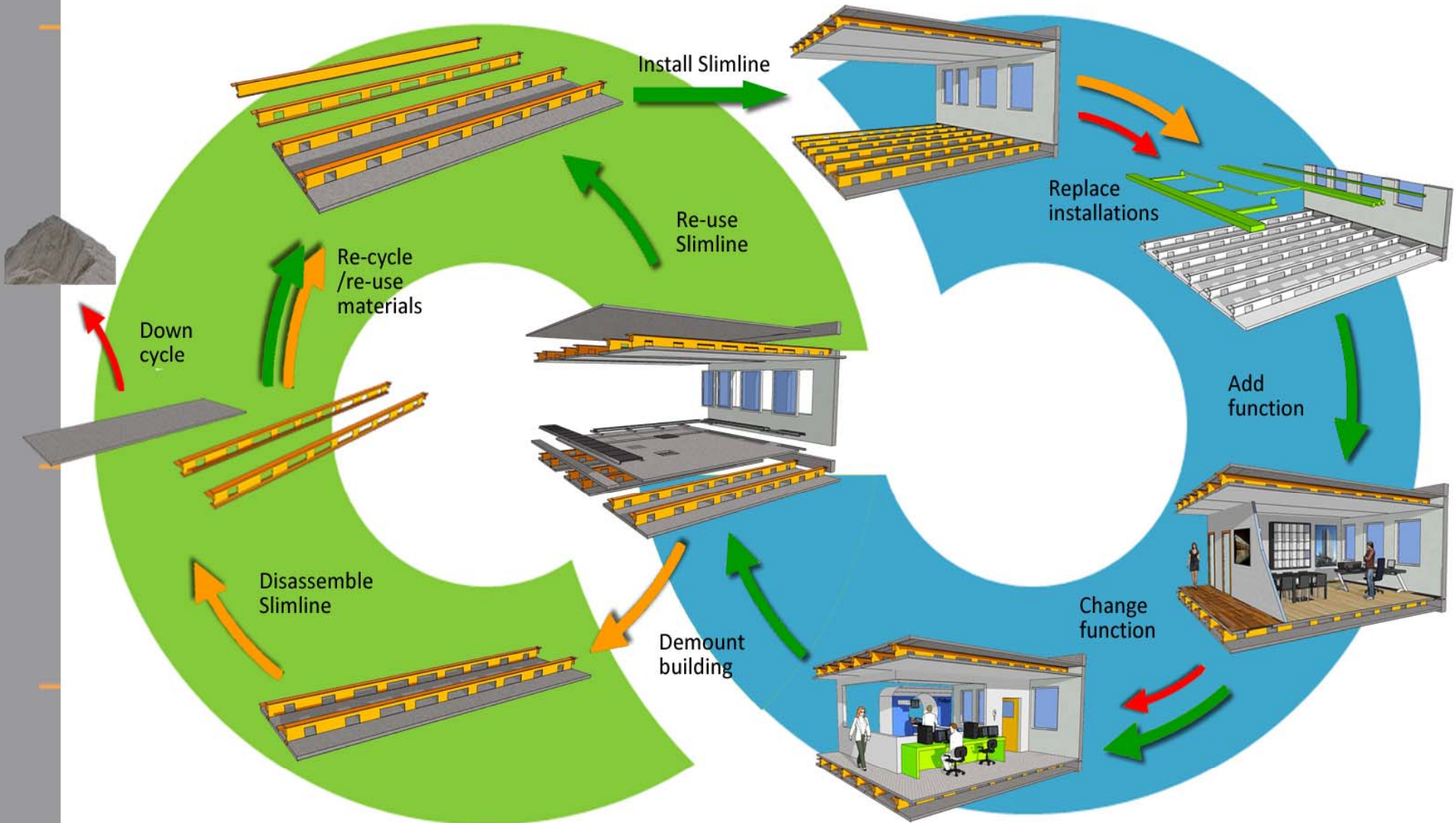
## Park 20/20 Bosch Siemens



Architect : Mc Donough & Partners  
Eerste Cradle to Cradle Project in NL  
Delta Project Development – IBB Kondor  
Slimline met ‘bouwdeelactivering’



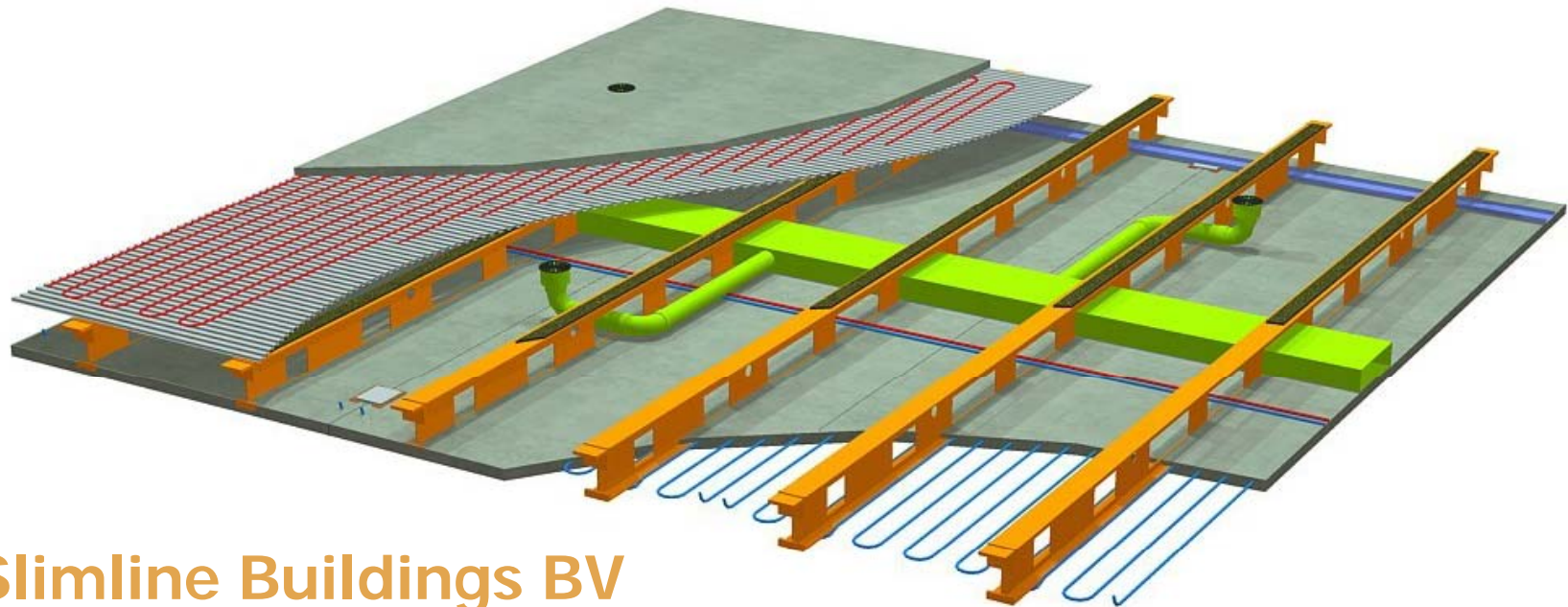
Sustainability vision Slimline Buildings: combine Cradle to Cradle with CO<sub>2</sub> reduction



■ Re-use     
 ■ Re-cycle     
 ■ Down-cycle / waste disposal



Dank voor uw aandacht



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