

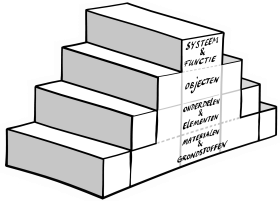
Regisseur
Team Circulair Ontwerpen

Jack van der Palen

CIRCULAIR ONTWERPEN

Remaking the Way We Make Things

- 1. SYSTEEM DENKEN**
- 2. WAARDECREATIE**
- 3. PROCES VAN EEN BOUWWERK**
- 4. HET REGISSEREN VAN ELEMENTEN**
- 5. ORGANISEREN VAN VERTROUWEN**

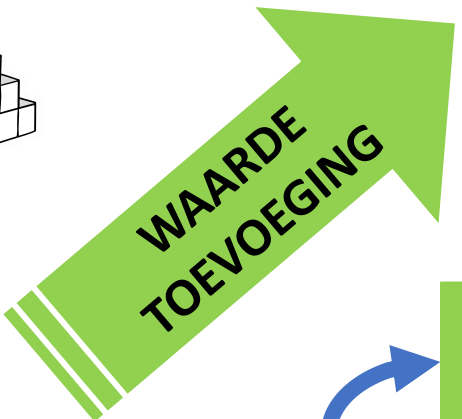
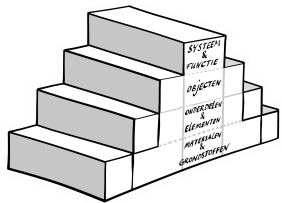


CIRCULAIR BOUWEN AAN DE TOEKOMST



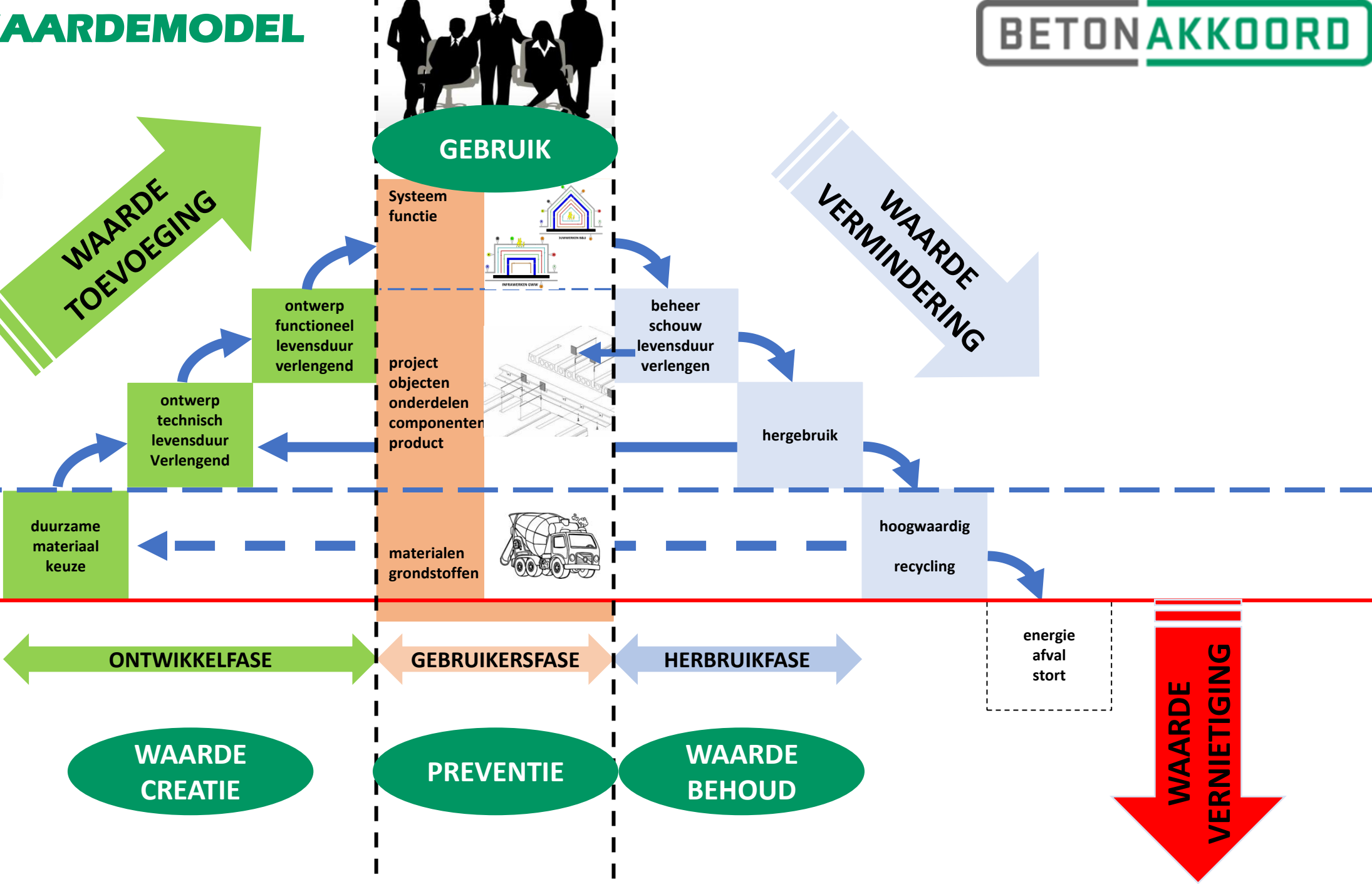
BOUWWAARDEMODEL

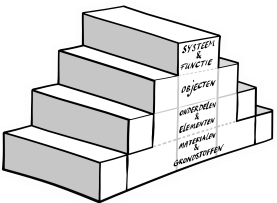
BETONAKKOORD



FOCUS OP
ONTWERP

FOCUS OP
MATERIAAL



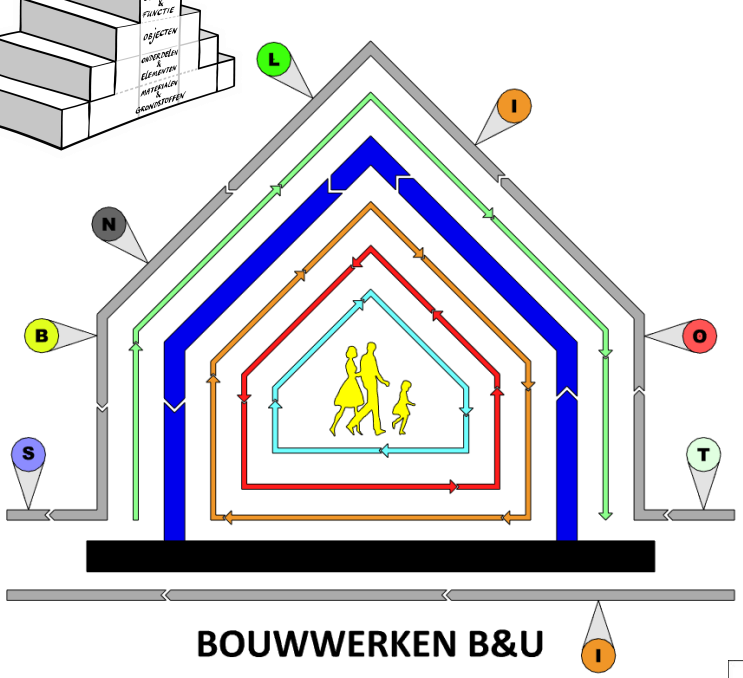
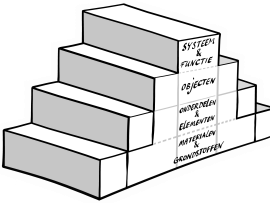


MODEL CIRCULAIR ONTWERPEN

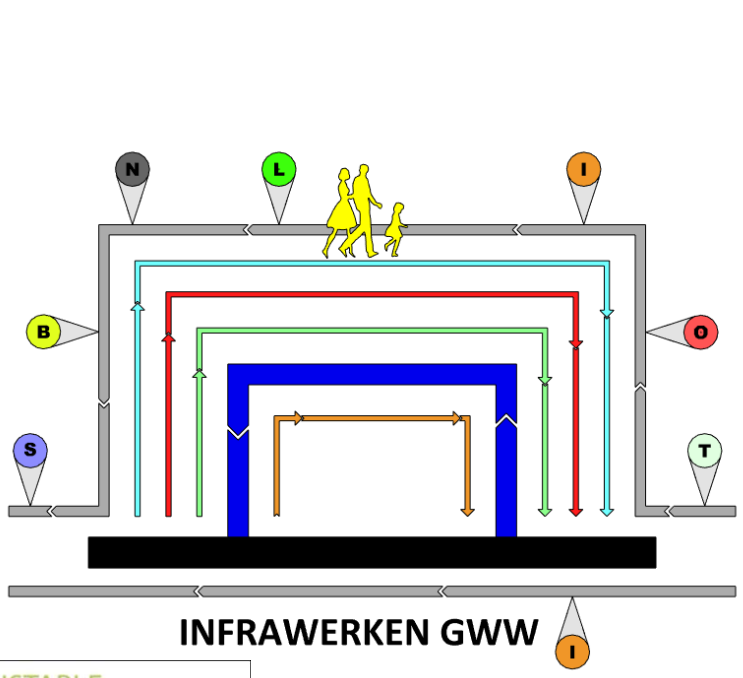


1. **VALUE HILL (GROENE BREIN)**
2. **BOUWWAARDEMODEL (GEMEENTE ROTTERDAM)**
3. **10 R - MODEL**
4. **FUNCTIELOOS BOUWEN**
5. **BOUWLAGENMODEL STEWART BRAND EN ROBERT SCHMIDT**

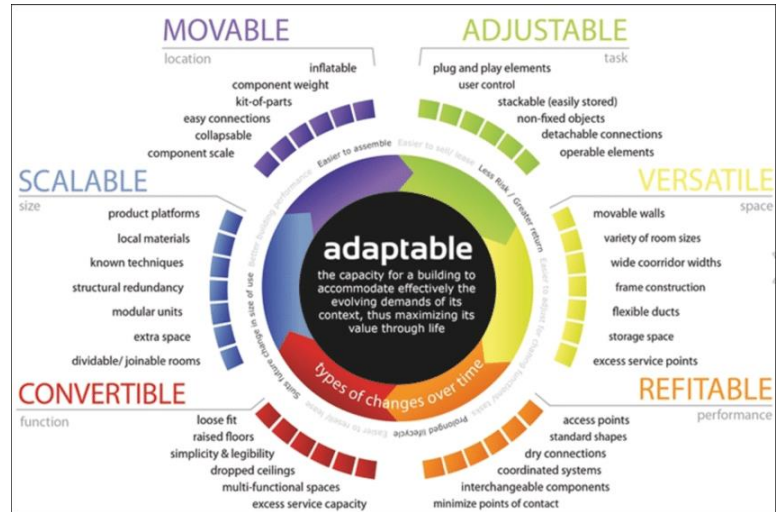
SCHEIDING IN LEVENSDUUR MAAKT LOSMAAKBAAR EENVOUDIGER

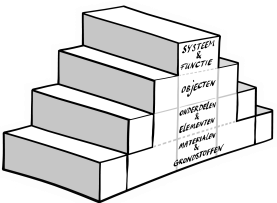


- FAST
- S Streetfurniture
 - B Buildings
 - N Natural elements
 - L Landmarks
 - I Service infrastructure
 - O Open (public) space
 - T Transportation links
- SLOW
- Social (15 yrs - eternal)
 - Stuff (05 - 15 yrs)
 - Space plan (05 - 30 yrs)
 - Services (05 - 30 yrs)
 - Skin (30 - 60 yrs)
 - Structure (60 - 200 yrs)
 - Site (eternal)
 - Surroundings

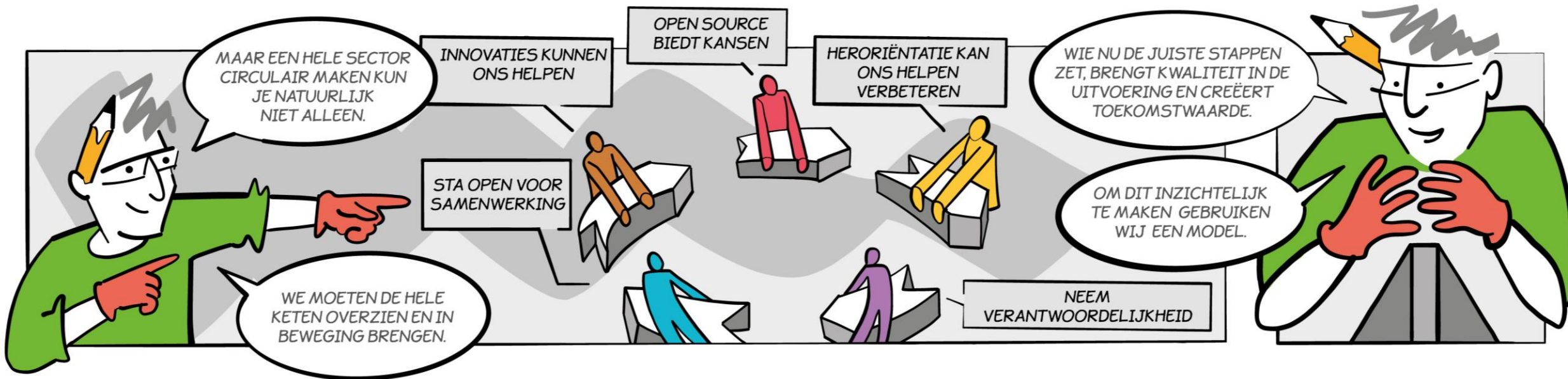


- FAST
- S Streetfurniture
 - B Buildings
 - N Natural elements
 - L Landmarks
 - I Service infrastructure
 - O Open (public) space
 - T Transportation links
- SLOW
- Social (15 yrs - eternal)
 - Stuff (01 - 15 yrs)
 - Space plan (05 - 30 yrs)
 - Services (08 - 20 yrs)
 - Skin (07 - 15 yrs)
 - Structure (50 - 150 yrs)
 - Site (eternal)
 - Surroundings



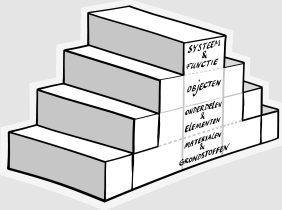


CIRCULAIR BOUWEN AAN DE TOEKOMST



- 1. HET GAAT OM OVER GRENZEN KIJKEN**
- 2. SAMEN WAARDE CREËREN VOOR U EN ANDEREN**
- 3. VERANTWOORDELIJKHEID VOOR JOUW HANDELEN NEMEN**
- 4. OUT – OF – THE – BOX DENKEN**
- 5. KWALITEIT BOVEN GELD ZETTEN**

KIJK NAAR DE BOVENZIJD
VAN HET 10 R-MODEL



GEbruik

ROBUUST,
MODULAIR,
DEMONTABEL,
LOSMAAKBAAR

ONTWERP
FOCUS OP
MATERIAAL

duurzame
materiaal
keuze

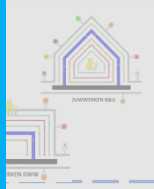
ADAPTIEF
FLEXIBEL
AANPASBAAR
VOOR MEERDERE LEVENSCYCLI
PRESTATIEGERICHT

ontwerp
technisch
levensduur
Verlengend

HERNIEUWBAAR
RECYCLEBAAR
REFURBISHED

ONTWIKKELFASE

verlengend
project
objecten
onderdelen
product



beheer
schouw
levensduur
verlengen

DE-/REMONTEER
PAS AAN
DEMONTAGE HANDLEIDING

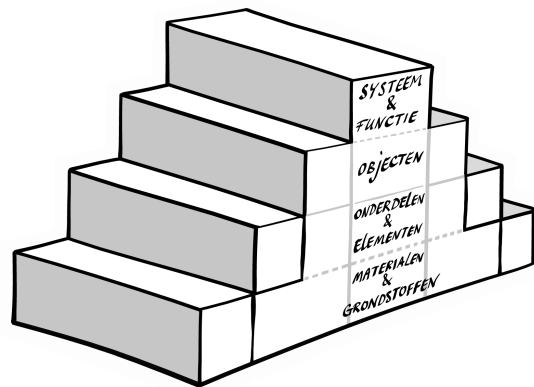
hergebruik

NAAR HOOGWAARDIGE
(MONO) STROMEN

energie
afval
stort

VOORKOM, COMBINEER OF INTENSIVEER
OPTIMALISEER EN ONTWERP SLANK
GEbruik WAT ER IS
REDUCEER EN OPTIMALISEER GRONDSTOFFEN

- 3 FASES
- 7 TAKTIEKEN
- 3 WAARDE STRATEGIEN

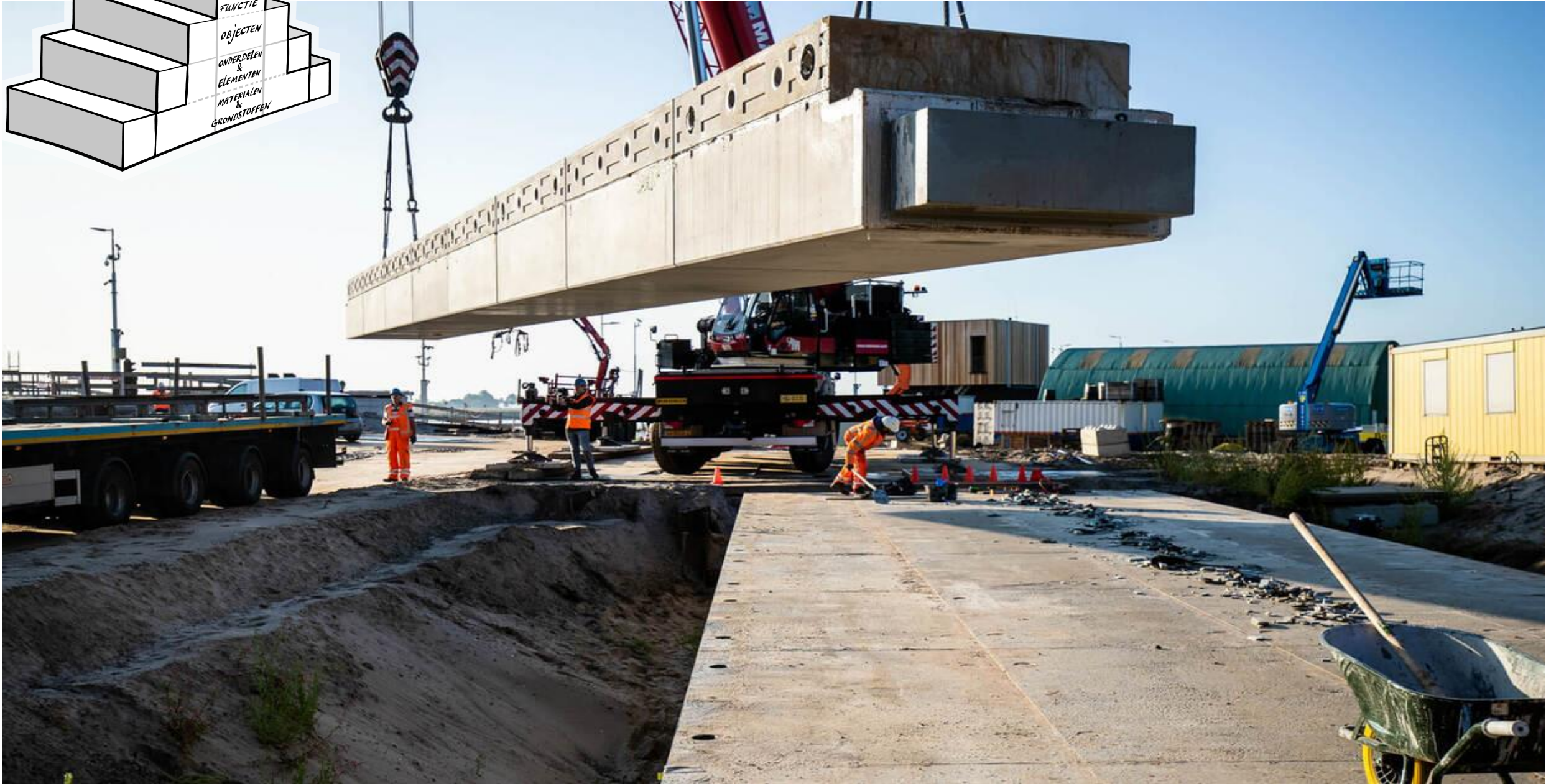
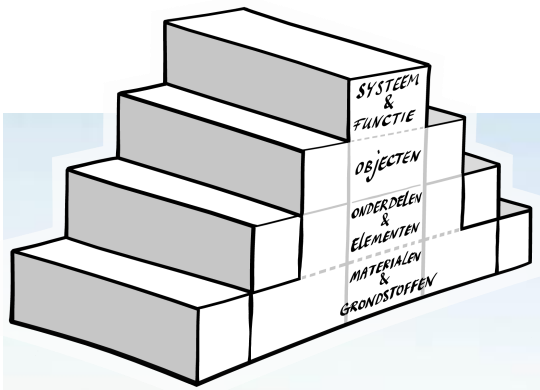


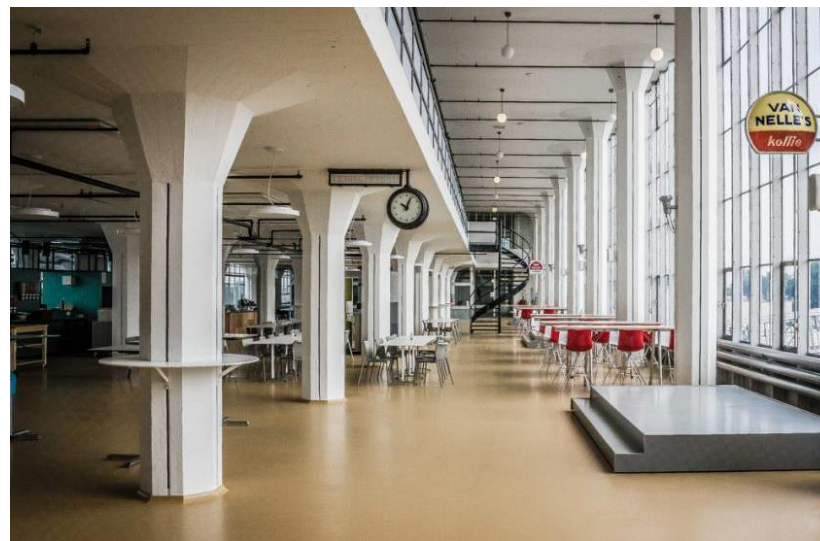
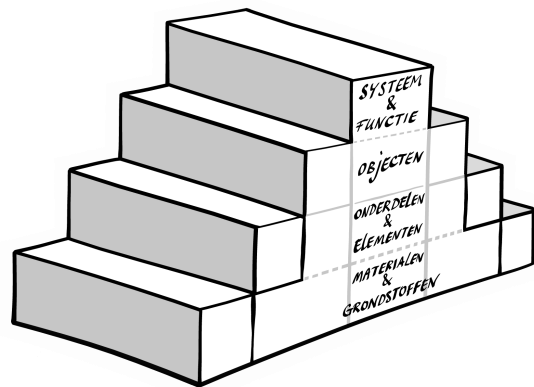
LOSMAAKBAAR



BETONAKKOORD



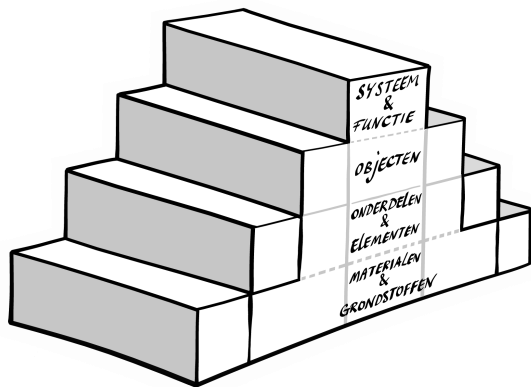




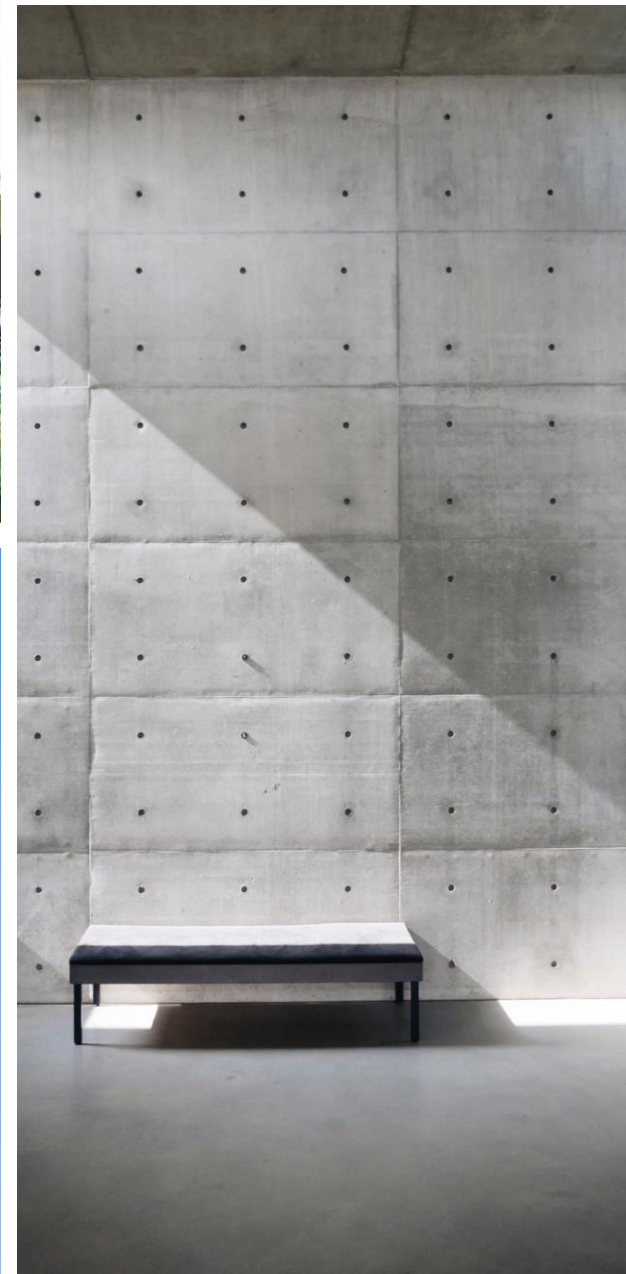
BETONAKKOORD

ADAPTIEF BOUWWERK

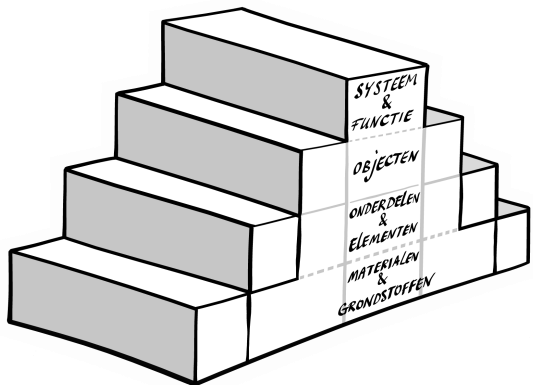




BETONAKKOORD



MODULAIR BOUWEN



ADAPTIEF ONTWERP

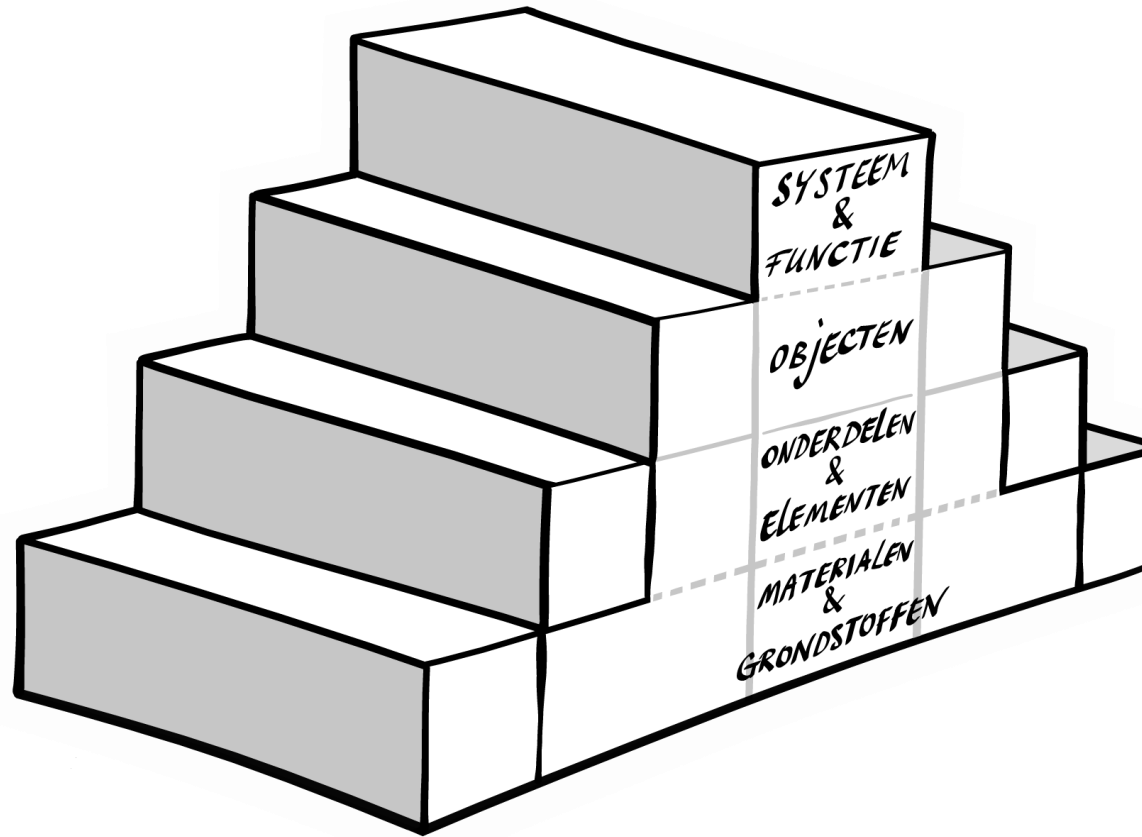


BETONAKKOORD

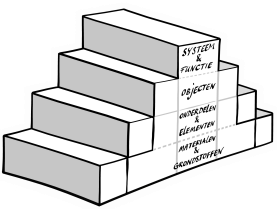
DOOR
ADAPTIEF/FLEXIBEL
TE ONTWERPEN.



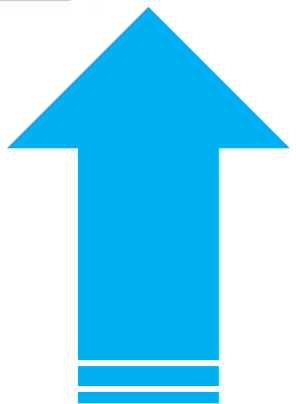
WIJ ZOEKEN PROJECTEN VOOR INDEXERING



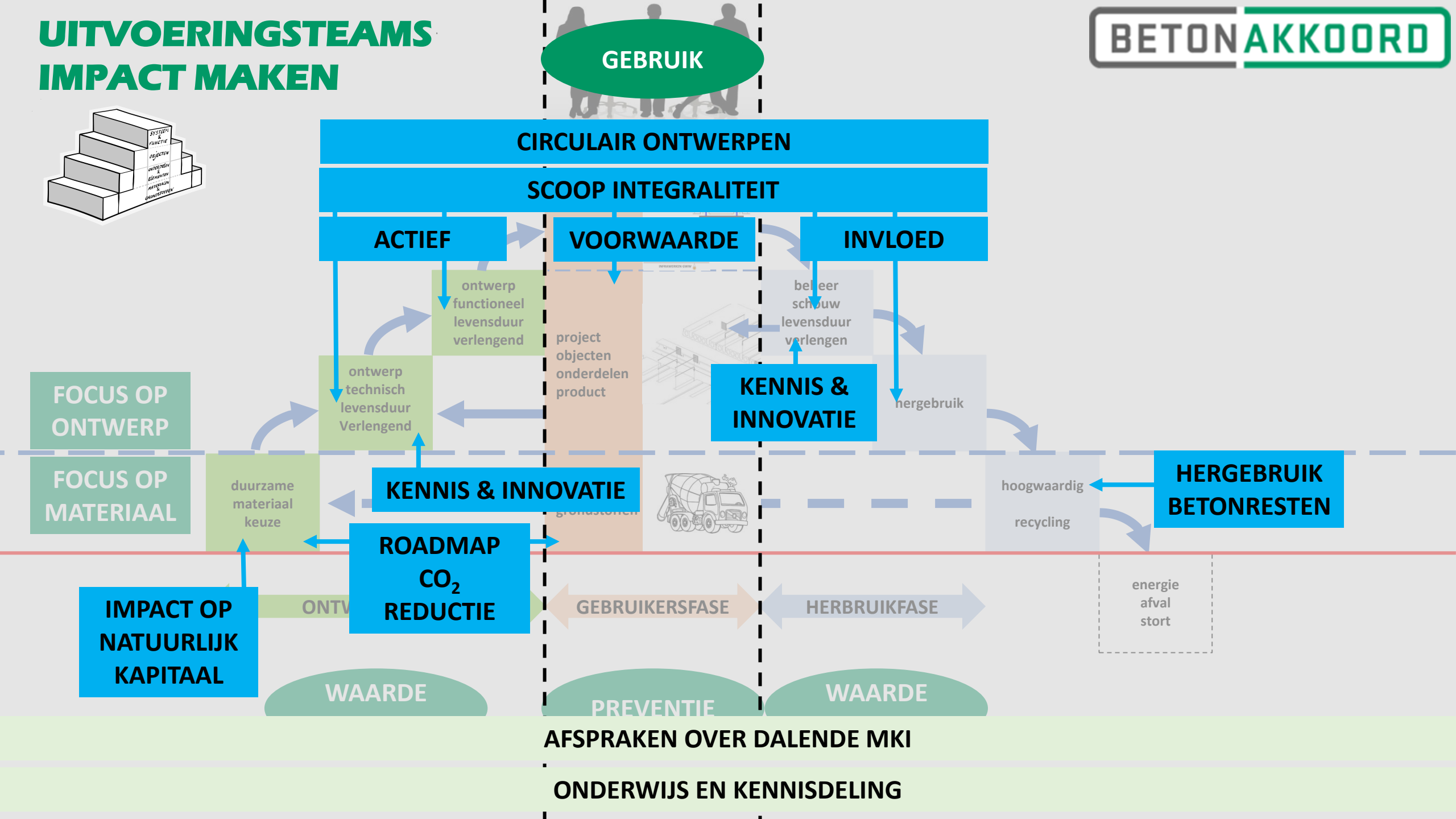
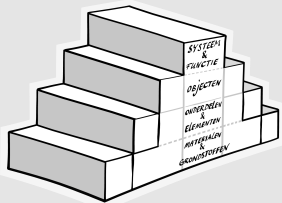
WIJ ZOEKEN PRODUCTEN VOOR INDEXERING



WELKE ROL HEB JIJ?
WAT KAN JIJ DOEN?



UITVOERINGSTEAMS IMPACT MAKEN



WAAR KAN JIJ IMPACT MAKEN?

