

BIGGER BIM

Onderzoek naar de toegevoegde waarde van ketenintegratie en LEAN bij het werken met BIM

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BIM

KETENINTEGRATIE

LEAN

Provides 

 **Bunnik**
Bouw

Ymere

 **era contour**
TBI bouw

 **Thunnissen**

 **Woonwaard**

ACBORST
BOUW


BVR-Groep

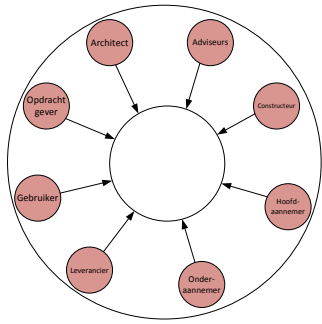
HEGEMAN
BOUWGROEP | 
ALMELO

 **Breijer**

 **Heembouw**

 **Waal**

 **Habeon**
architecten



KETENINTEGRATIE

1. Grootte keten

Aanbestedingspartners



Vaste partners

2. Selectiemethodes

Lage prijs



Kwalitatief met evaluaties

3. Mate van integratie

Projectmatig



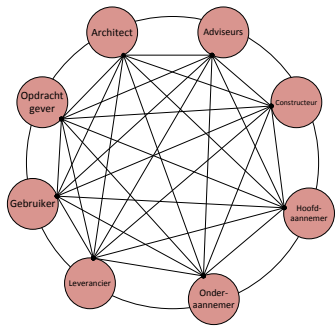
Strategisch ketenoverleg met winst/risico-deling

4. Mate van afspraken

Traditionele aanbesteding



Continuïteit lange termijn



LEAN

1. Niveau, diepgang

Intern, niet met partners



Hele lifecycle, alle partners

2. Tools

Lean planning



Strategie-ontwikkeling, VSM

3. Mate verandering

Nieuwe planningsmethode



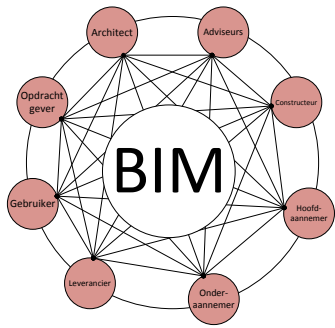
Bedrijfsstructuur

4. Zichtbare resultaten

Leuk, geen gemeten verbetering



Meetbare versnelling en tevredenheid



BIM

1. Grootte keten

Intern, niet met partners



Hele keten

2. Mate opgepakte tools

Nieuwe software



Protocol, meetings etc.

3. Informatie-level

Maatvoeringen (2D)



T/m 6D (Beheer & Onderhoud)

4. Levensduur model

Ontwerpfase

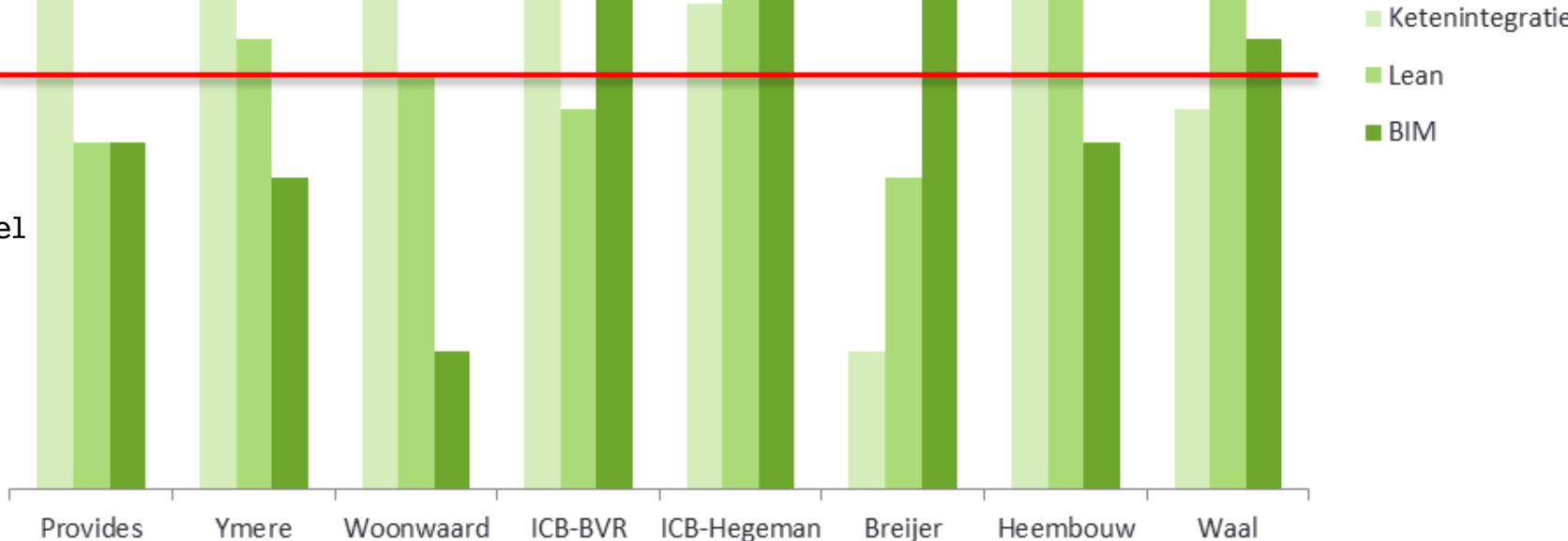


Hele levenscyclus

RESULTATEN

strategisch

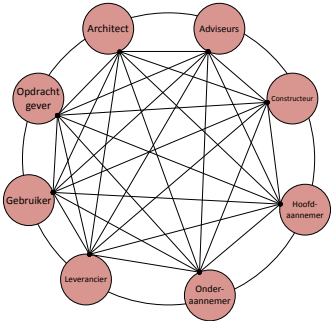
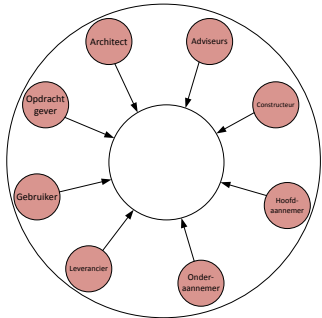
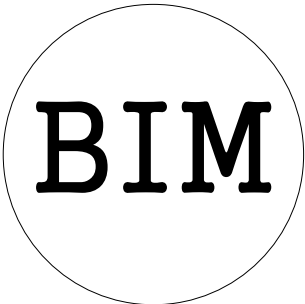
operationeel



RESULTATEN

- TWEE RICHTINGEN

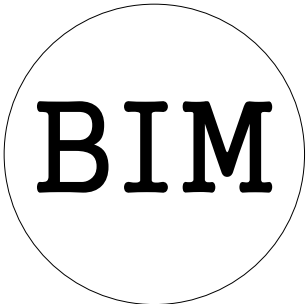
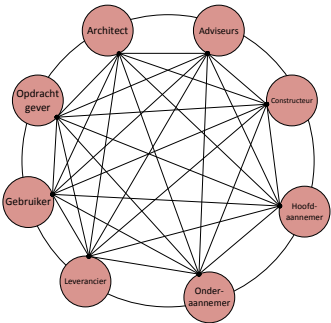
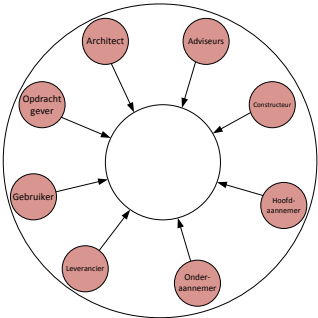
1



KETENINTEGRATIE

LEAN

2

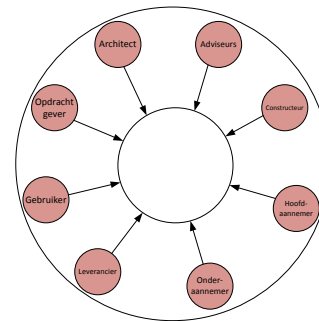
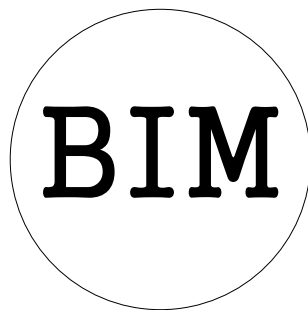


KETENINTEGRATIE

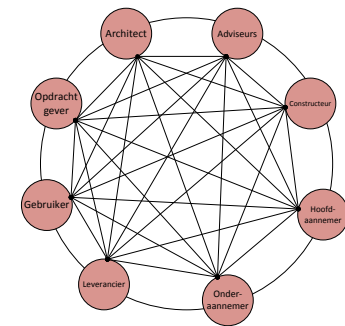
LEAN

RICHTING 1

- GEBREK AFSPRAKEN
- PROJECTONGEBONDEN SAMENWERKEN
- PROCESSEN AFSTEMMEN



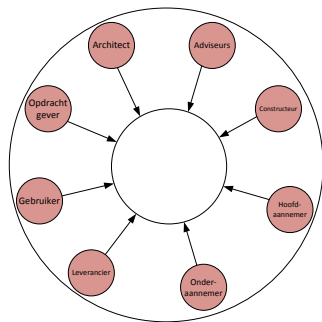
KETENINTEGRATIE



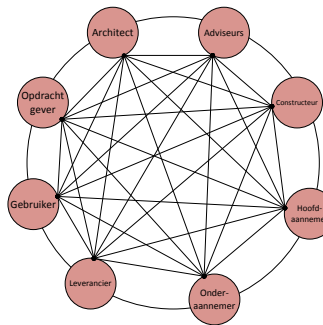
LEAN

RICHTING 2

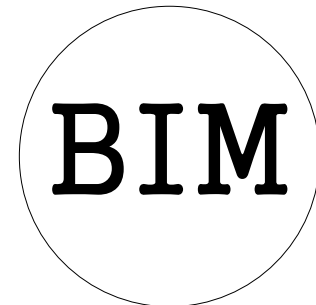
- KORTE LIJNTJES
- KENNISDELING
- MOGELIJKHEID TOT INVESTEREN



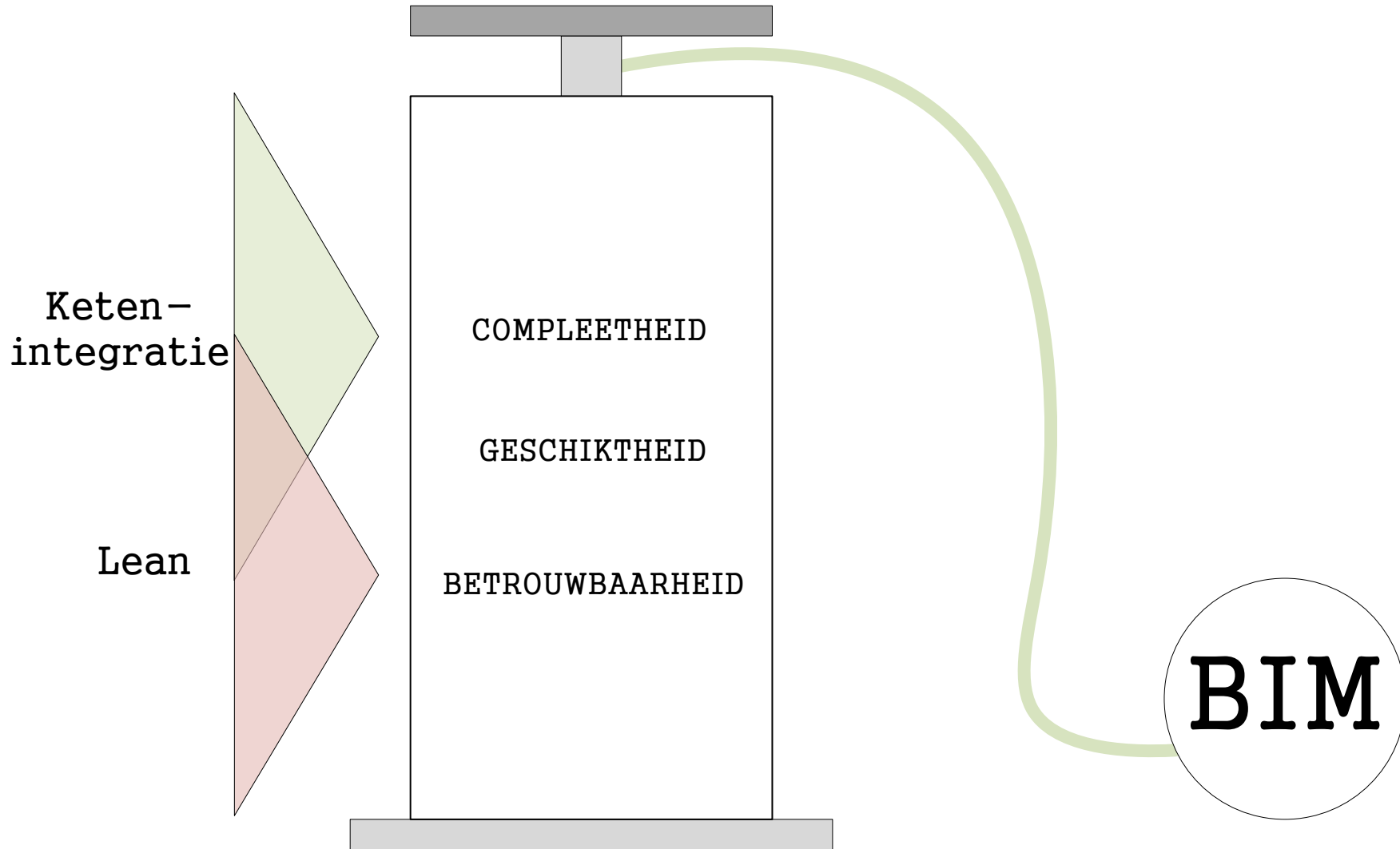
KETENINTEGRATIE



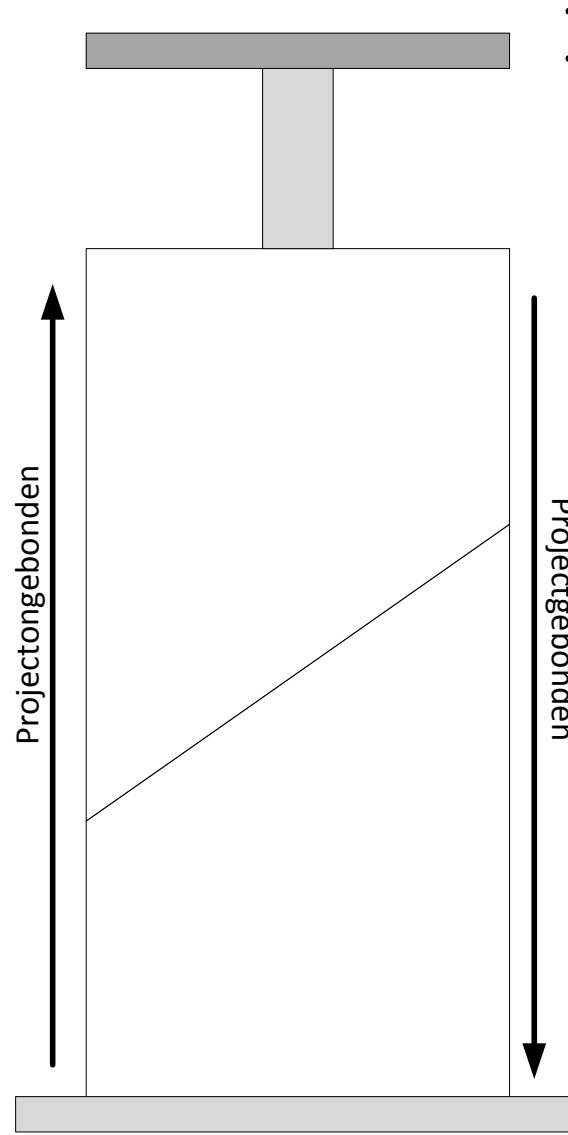
LEAN



CONCLUSIE



**KETEN-
INTEGRATIE**

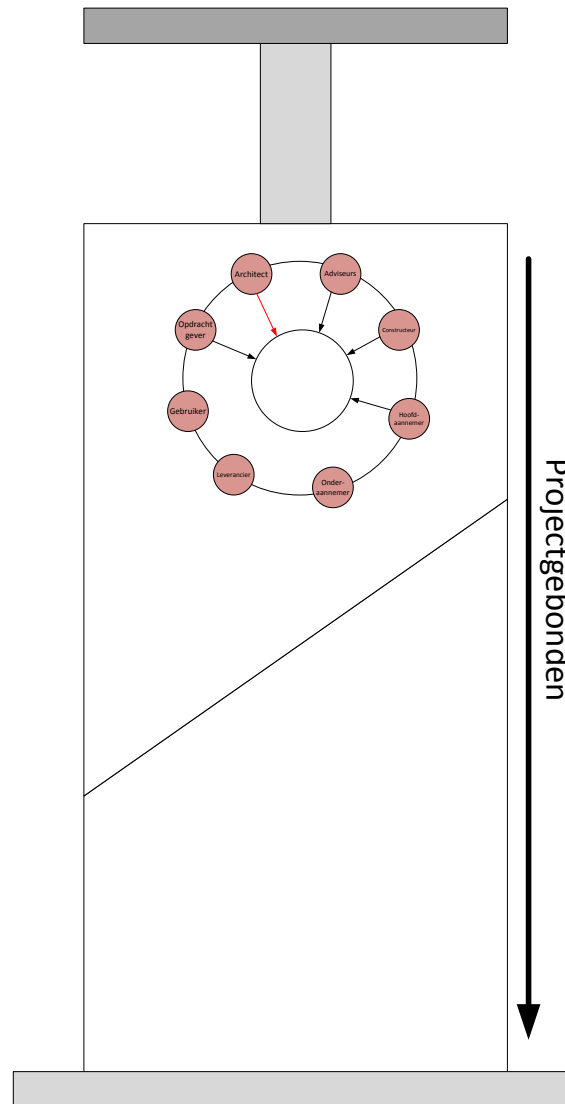


IMPLEMENTATIE

LEAN

PROJECT- GEBONDEN

1. PARTIJEN BETREKKEN



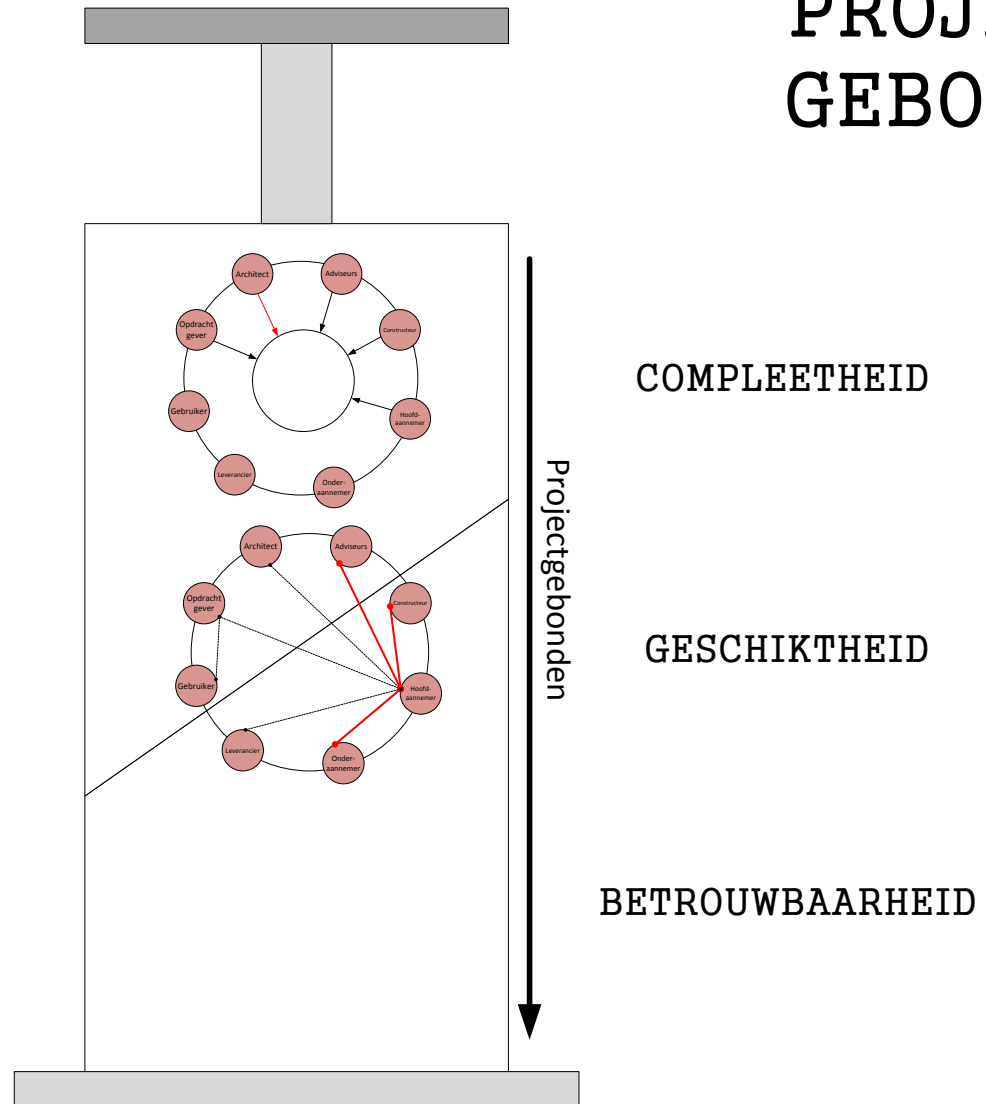
COMPLEETHEID

GESCHIKTHEID

BETROUWBAARHEID

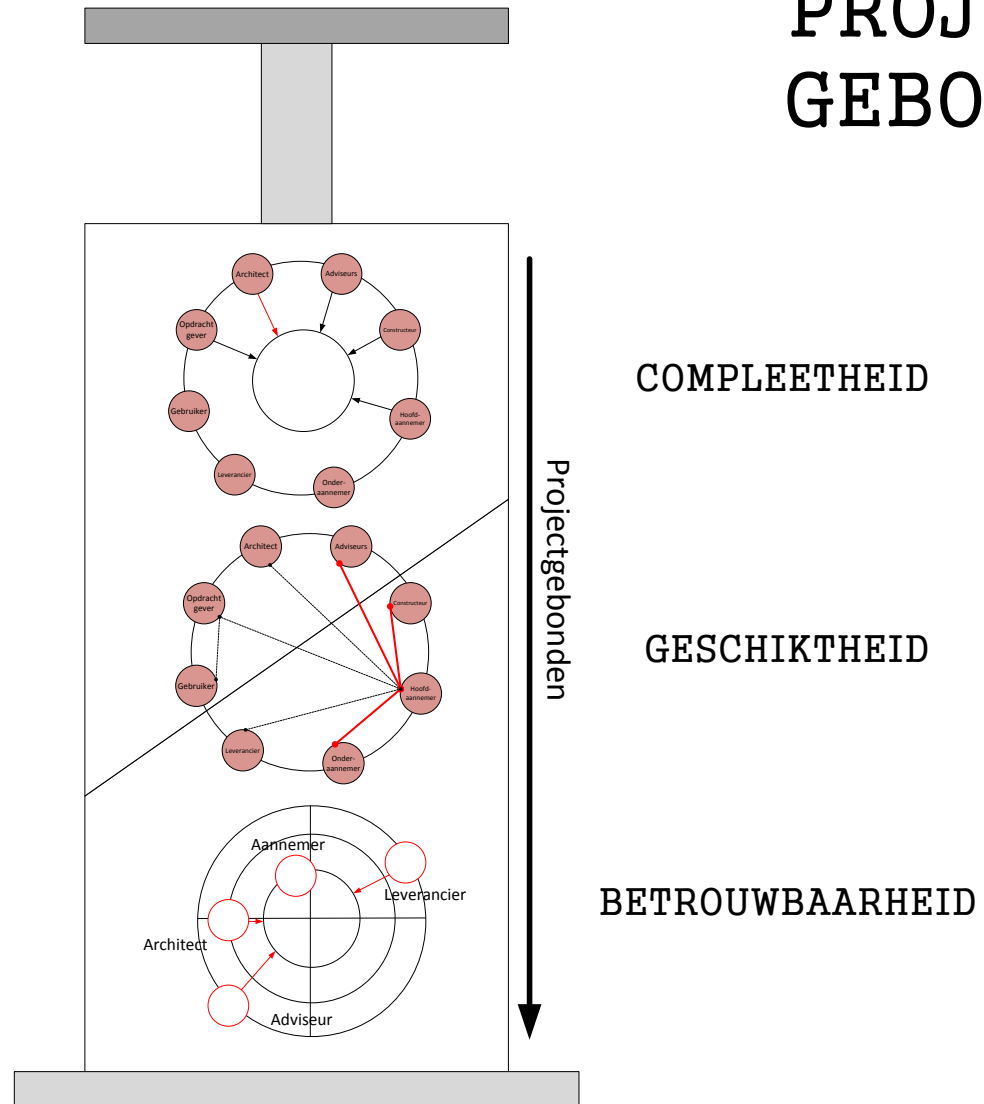
PROJECT- GEBONDEN

2. AFSTEMMEN MET LEAN TOOLS



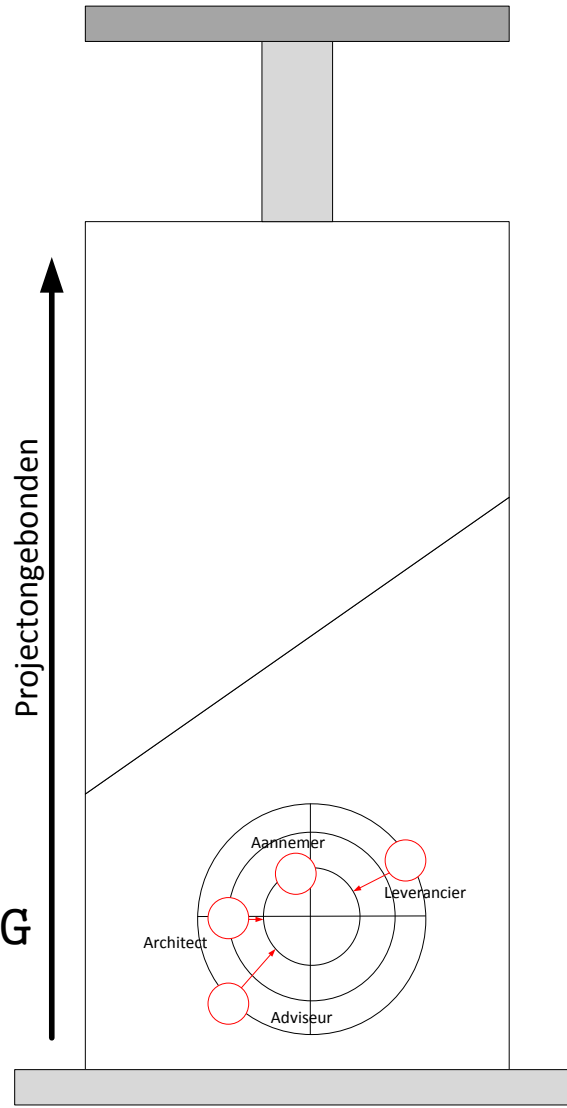
PROJECT- GEBONDEN

3. TEAMOPBOUW, COMPETENTIES, COACHING



PROJECT- ONGEBONDEN

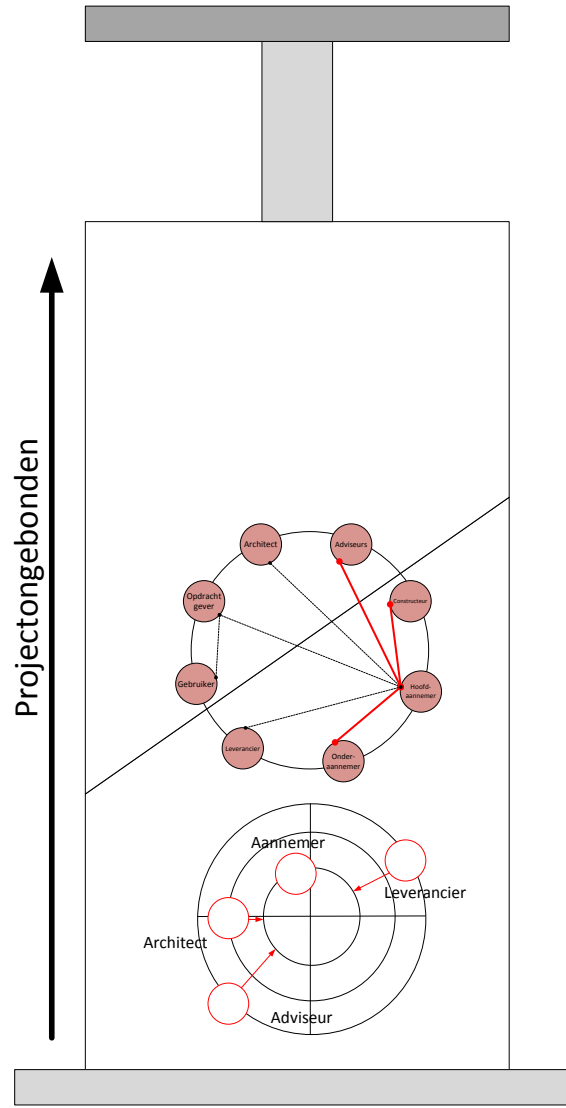
4. INTERNE AFSTEMMING



LITTLE BIM

PROJECT- ONGEBONDEN

5. LEREND VERMOGEN

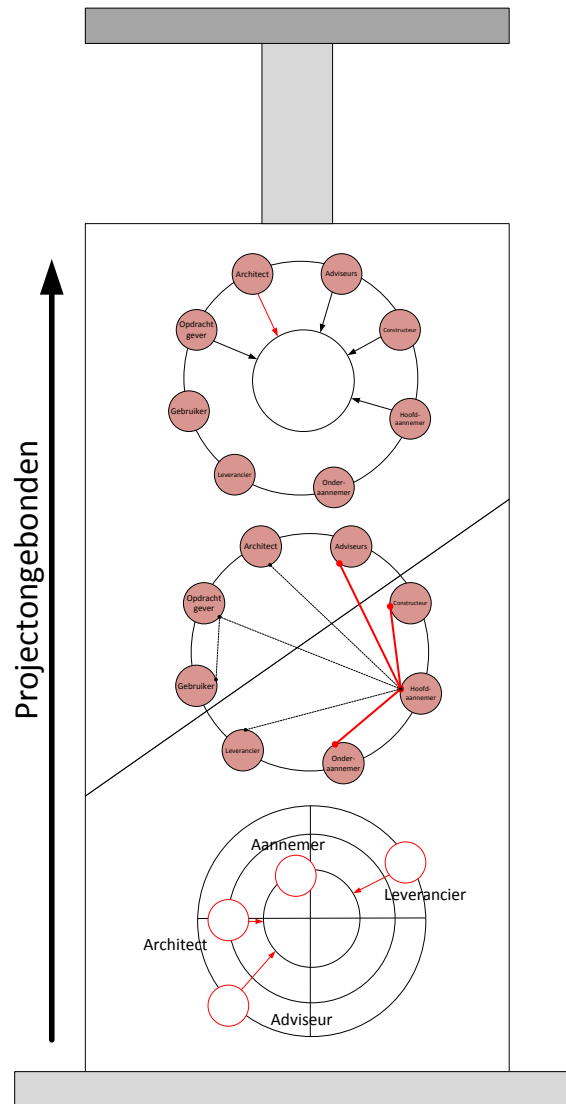


LEAN DENKEN

LITTLE BIM

PROJECT- ONGEBONDEN

6. VASTE TEAMS

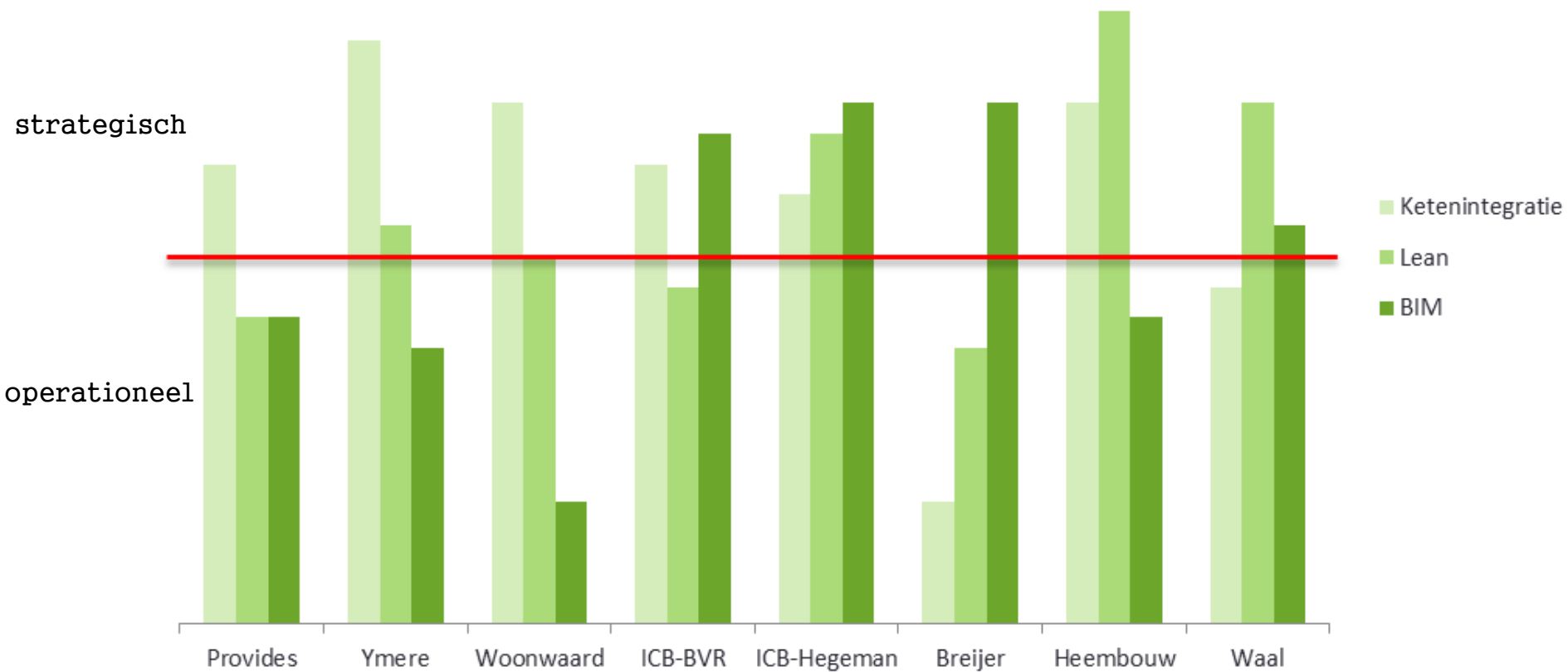


KETENINTEGRATIE

LEAN DENKEN

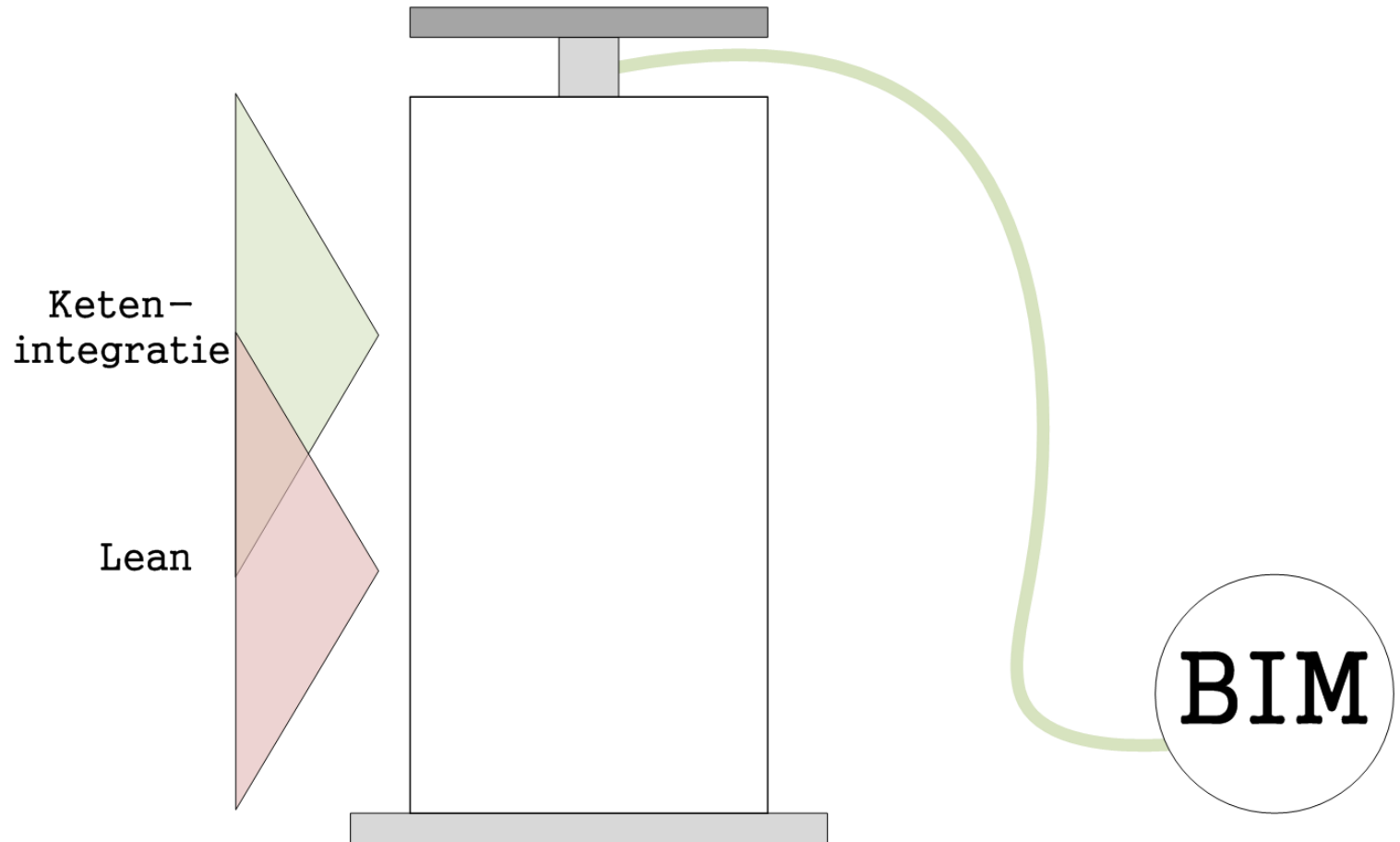
LITTLE BIM

PRAKTISCHE TOEPASSING



PRESTATIEMETING

PRAKTISCHE TOEPASSING



CONTINU VERBETEREN

BIGGER BIM

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