



HOD - THE DUTCH STYLE TOD?

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ppm management consultants

What is HOD? H.... Oriented Development:

- a. Health
- b. Happiness
- c. Hybrid

What is HOD? H.... Oriented Development

a. Health - saúde - salud
 b. Happiness - felicidade - felicidad
 c. Hybrid - híbrido - híbrido

The urban planning concept of HOD

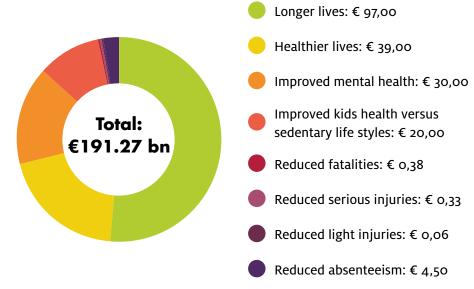
Health

Saúde

Salud



HEALTH BENEFITS OF CYCLING (BILLION EUROS)





Happiness

Felicidade

Felicidad





Hybrid

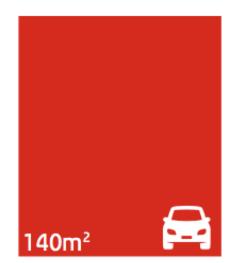
Híbrido

Híbrido









Car 50 kmh, 1 occupant



Car parked



Tram 50 occupants



Pedestrian walking



Pedestrian standing still



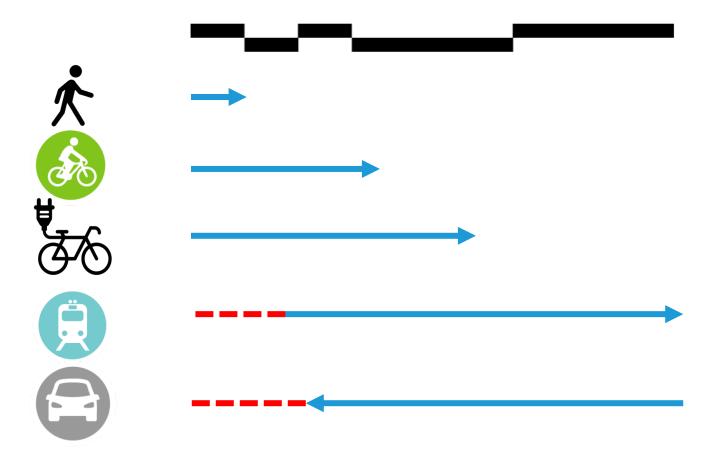


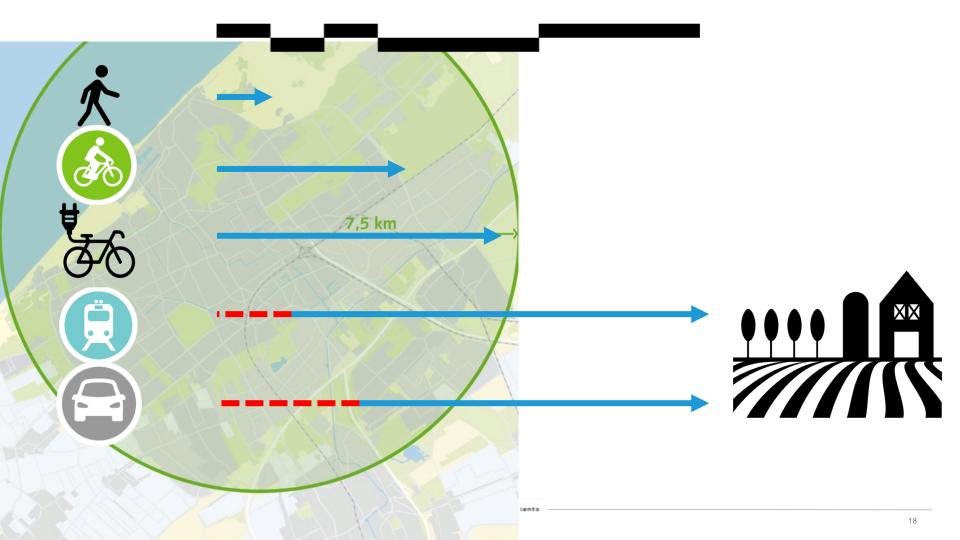
Cyclist 15 kmh

2m²



Bicycle parked





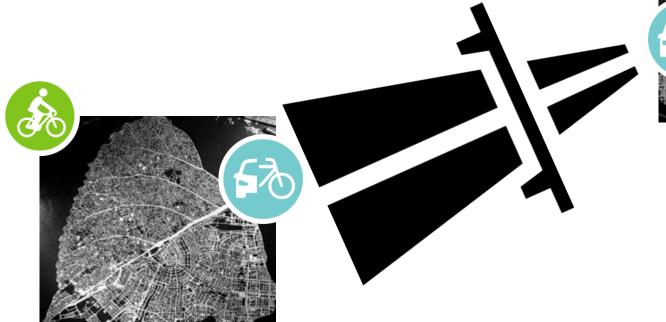
Hybrid bike-train system





48% of train travellers in NL arrive by bike

Hybrid bike-car system



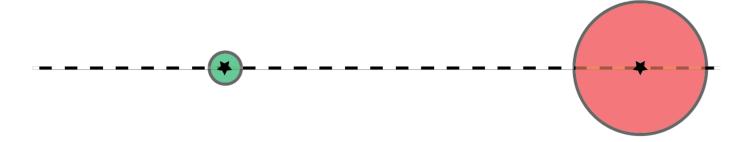


Catchment area TOD vs HOD



- 500 700 meter
- < 10 minutes walking
- Catchment area 79 ha.

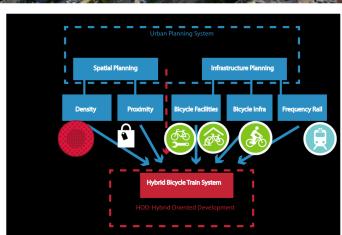
- 2 3 kilometer
- < 10 minutes cycling
- Catchment area 1256 ha.





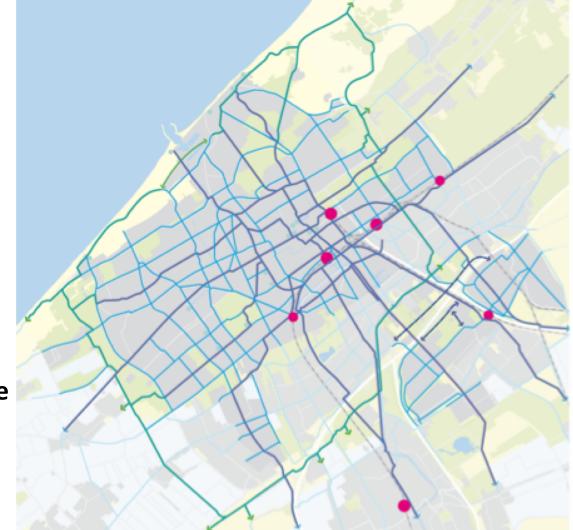
HOD

Hybrid bike-trainOrientedDevelopment



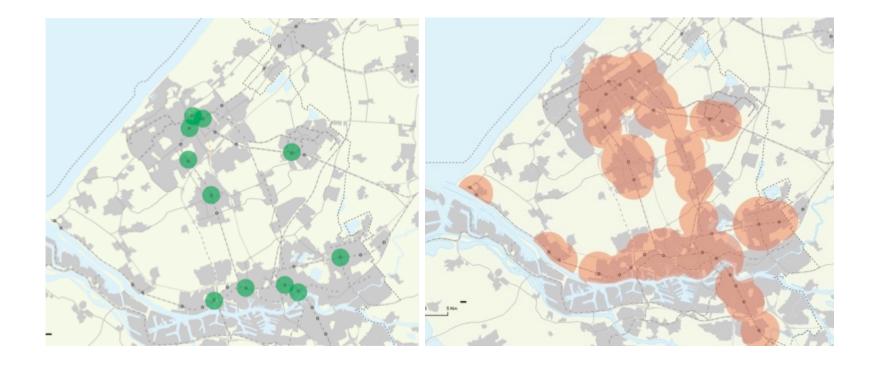




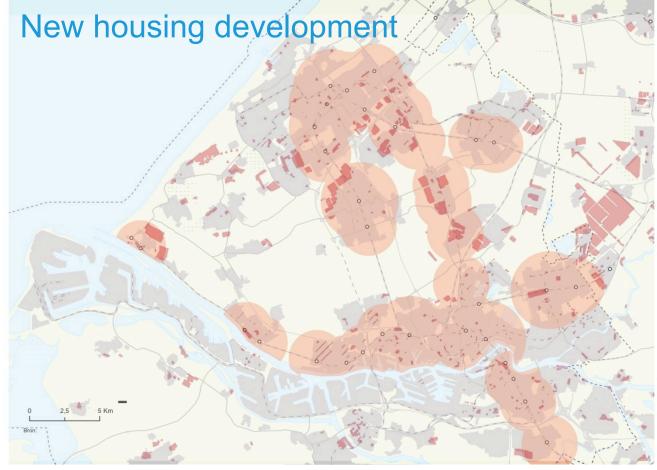


Network Bicycle

Reach of TOD concept vs. HOD concept in MRDH

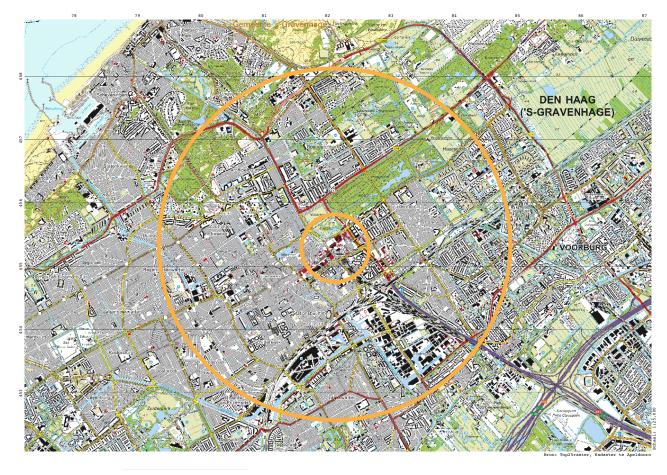


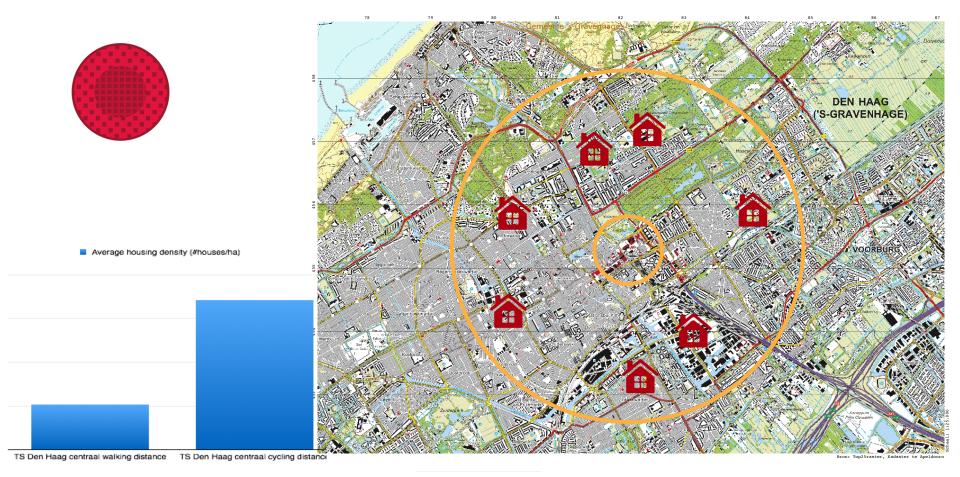












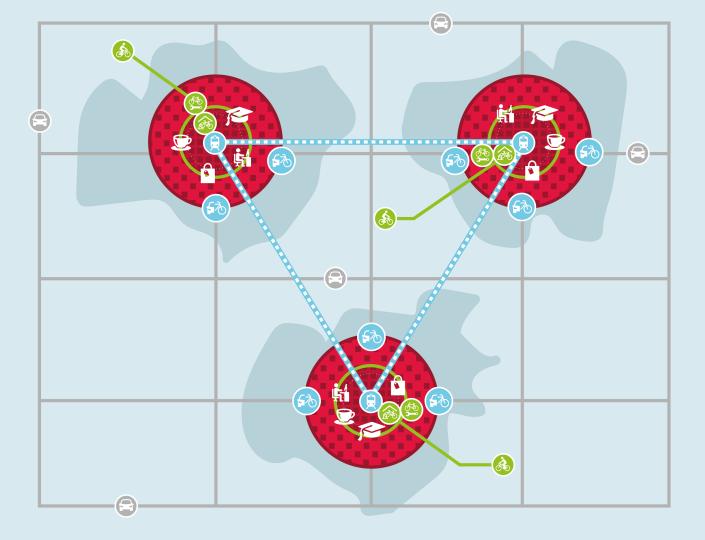






H³OD:

Health +
Happiness +
Hybrid Oriented Development



Obrigado – Gracias - Thanks!

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