

# Bauforum

190613 Kees Christiaanse KCAP





Rolling Stones, Kurhaus Scheveningen 1964

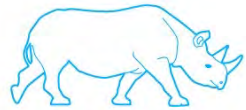


Pink Floyd Ummagumma 1969

Iron Maiden „Ed Force One“ Zürich 2016

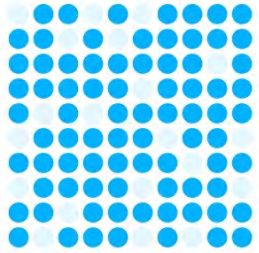
Since the rise of human civilisation 83% of wild mammals have been lost

83%



of wild mammals

80%



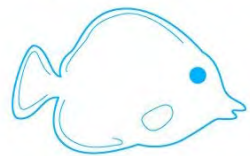
of marine mammals

50%



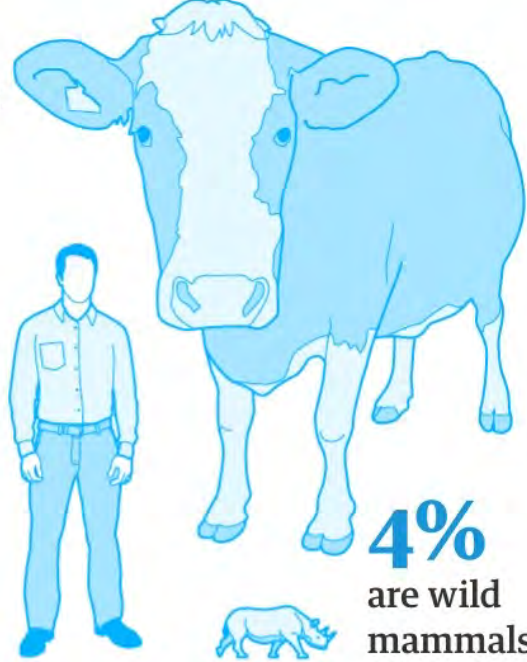
of plants

15%



of fish

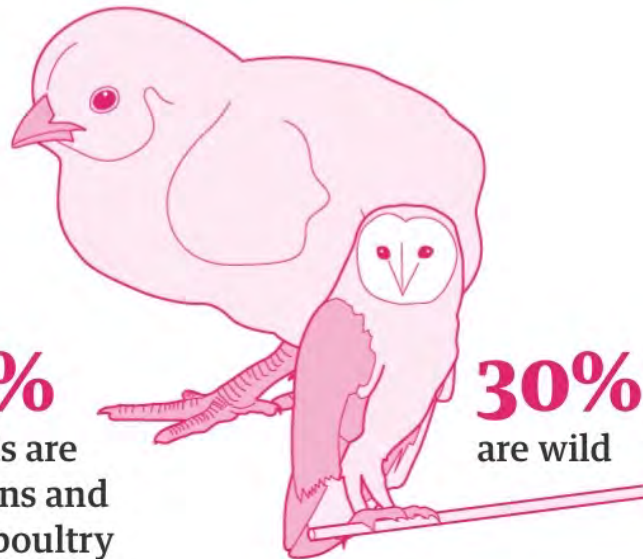
60%  
are livestock



36%  
are humans

4%  
are wild mammals

70%  
of birds are chickens and other poultry



30%  
are wild



**an inconvenient truth**











IJburg Amsterdam



Müllerpier Rotterdam



## Building Collective Müllerpier Rotterdam @ KCAP

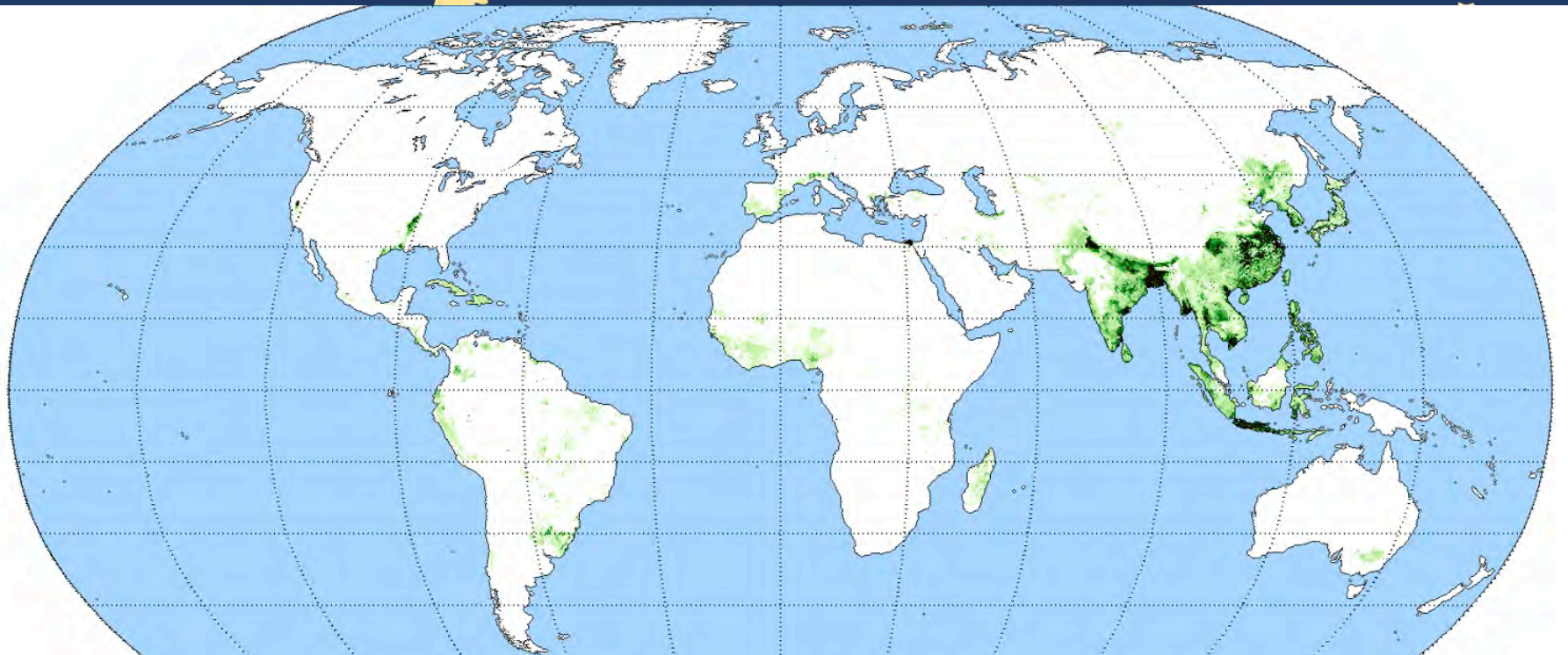
190613 bauforum luzern















# Projektgeschichte

Analyse



## Potenzial- Defizitkarte

### Umgebung

- Landwirtschaft und Landschaft
- Bauernhöfe
- Flussraum
- Waldfläche

### Bereiche und Zonen

- Erhaltungsbereich Dorf alt
- Erhaltungsbereich Dorf neu
- Wohnbauetappe bis 1987
- Wohnbauetappe ab 1987
- Wohnbauetappe ab 2010
- Wohnbauetappe ab 2010
- Mischzone
- Gewerbe und Industriezone

### Stabile Elemente

- Denkmäler
- Geschützte Bauabstände
- Freihabbereiche
- Insenergangswürdige Brücken

### Verdichtungs- / Gestaltungspotenzial

- Eingrenzende Parzellen
- Parzellen mit mehr Nutzungspotenzial
- Bauerschleife
- Lerzstände
- Öffentliche Bereiche mit Gestaltungsbedarf

### Infrastruktur

- Straße stark befahren
- Straße wenig Verkehr
- Nebenstrasse
- Fussgänger, Velo, Wandern
- Bahnhof
- Postauto Haltestelle
- Mobility Station
- Fernwärmenetz

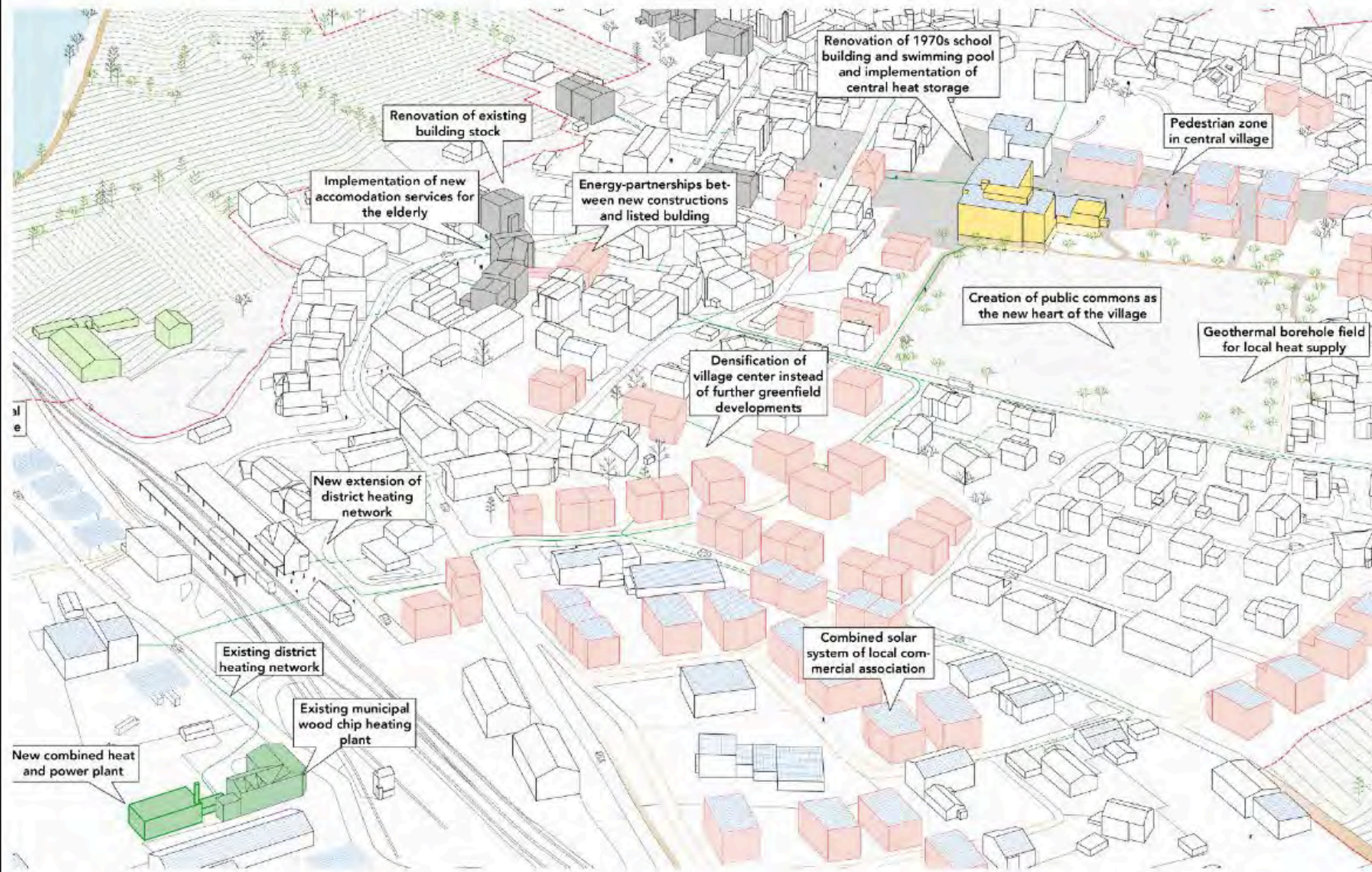
### Freizeit und Tourismus

- Hotel
- Ferienwohnung
- Camping
- Museum
- Sportplätze
- Landmarken



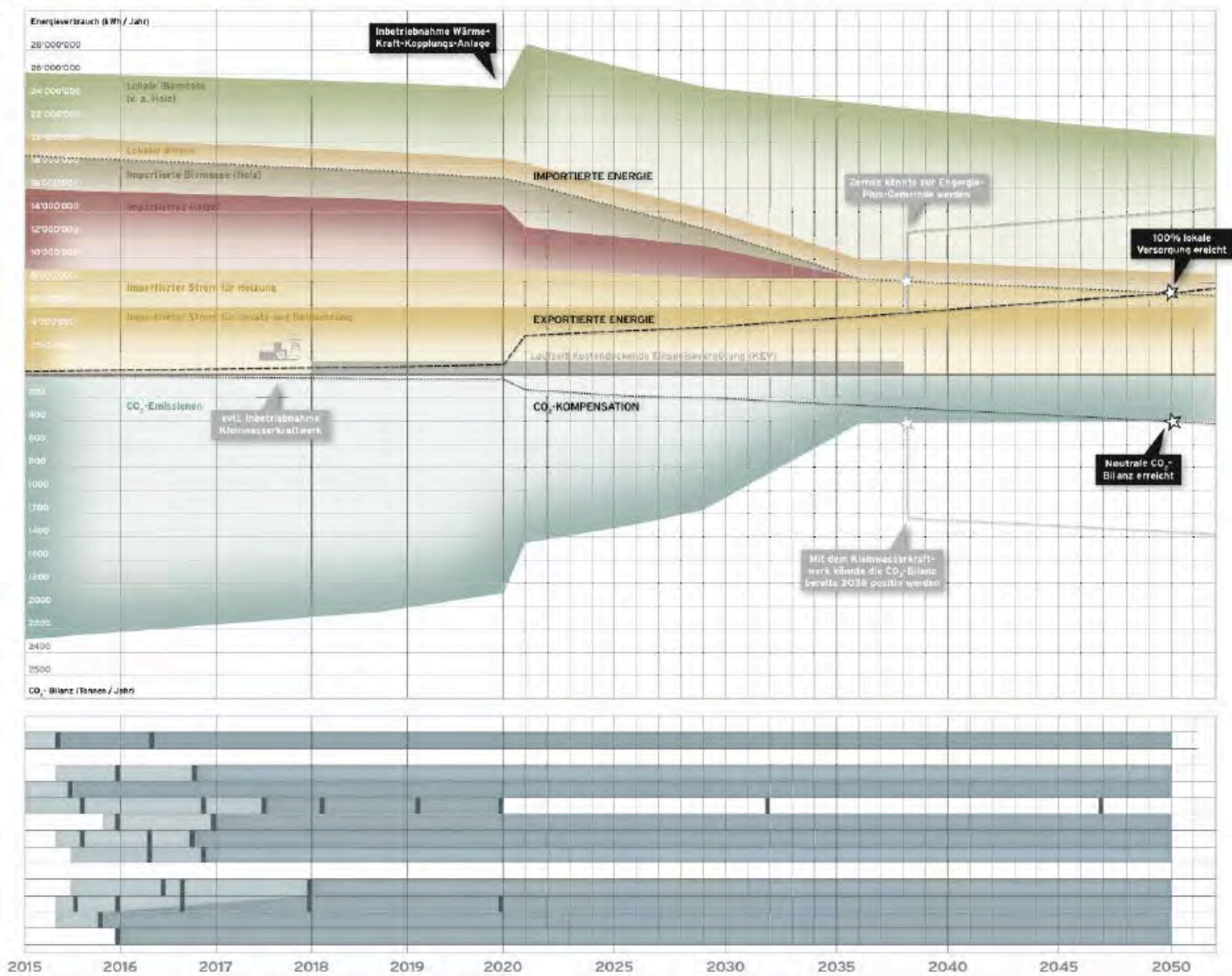
# Projektgeschichte

Resultate Entwurfsstudio



# Zernez Energia 2020

KTI-Forschungsprojekt 2012-2014 – ETH Zürich





LUFTBILD © AL

# Spekulative Bundes- Bahnen?

# Nein!

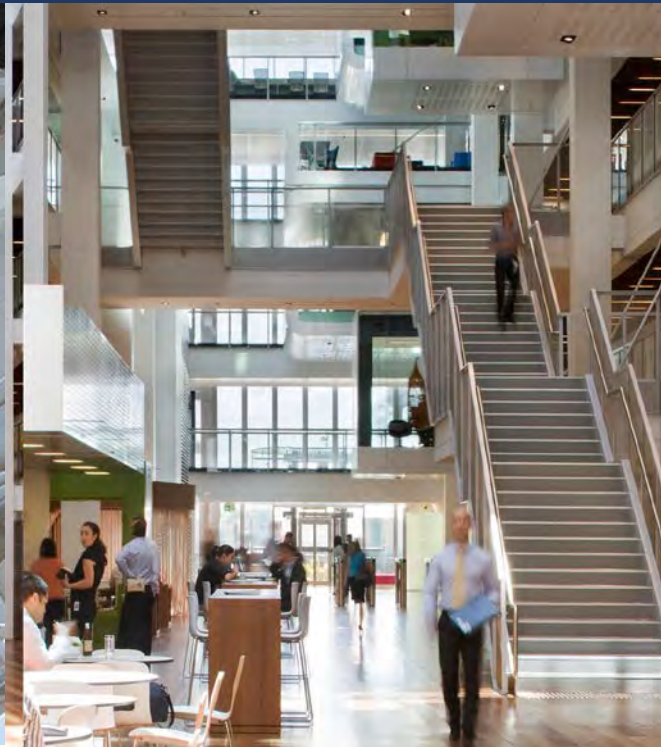
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**AL**  
Alternative Liste  
al-zh.ch

Ausbau  
Lagerstrasse:  
So nicht!

20





Atomization of spatial requirements > ideas work communicate > co-working / dedicated space > evolving building typologies.









Community Farming for food and fun



Community Farming for food and fun



Real-Time Management of home energy consumption



District Cooling System pipes cool air directly to homes to save energy



Naturally-Ventilated Public Spaces reduce energy usage



North-South Building Orientation reduces solar heat gain and enhances wind flow



Solar Panels capture renewable energy



Health App improves home care



100% Landscape Replacement for more skysrise greenery



Green Mark Platinum office buildings reduce energy consumption by 30%



District App supports business collaboration



Naturalised Drain cleans surface runoff and brings people closer to water



Pedestrian-Friendly Deliveries via bicycle or personal mobility devices



Smart Logistic Management reduces delivery traffic



Locating Infrastructure underground frees up ground space for public enjoyment



Multi-Modal Public Transport enhances mobility



Pneumatic Waste Collection System disposes waste with less odour and rubbish trucks

DISTRICT COOLING PLANT

PNEUMATIC WASTE COLLECTION PLANT



Common Services Tunnel optimises underground space and minimises road disruptions



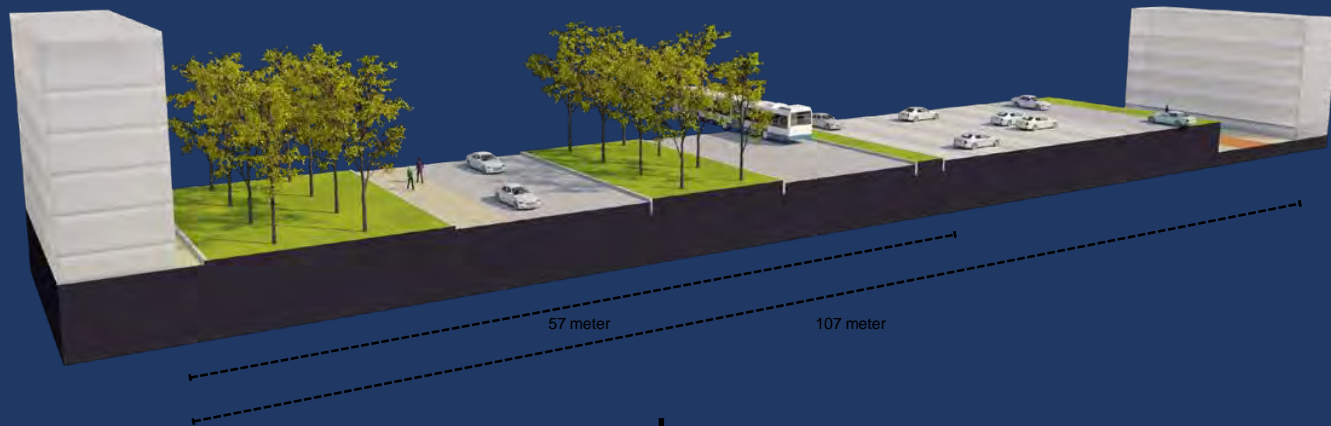
On-Demand Electric Vehicle re-routes in real-time to reduce travelling time for commuters

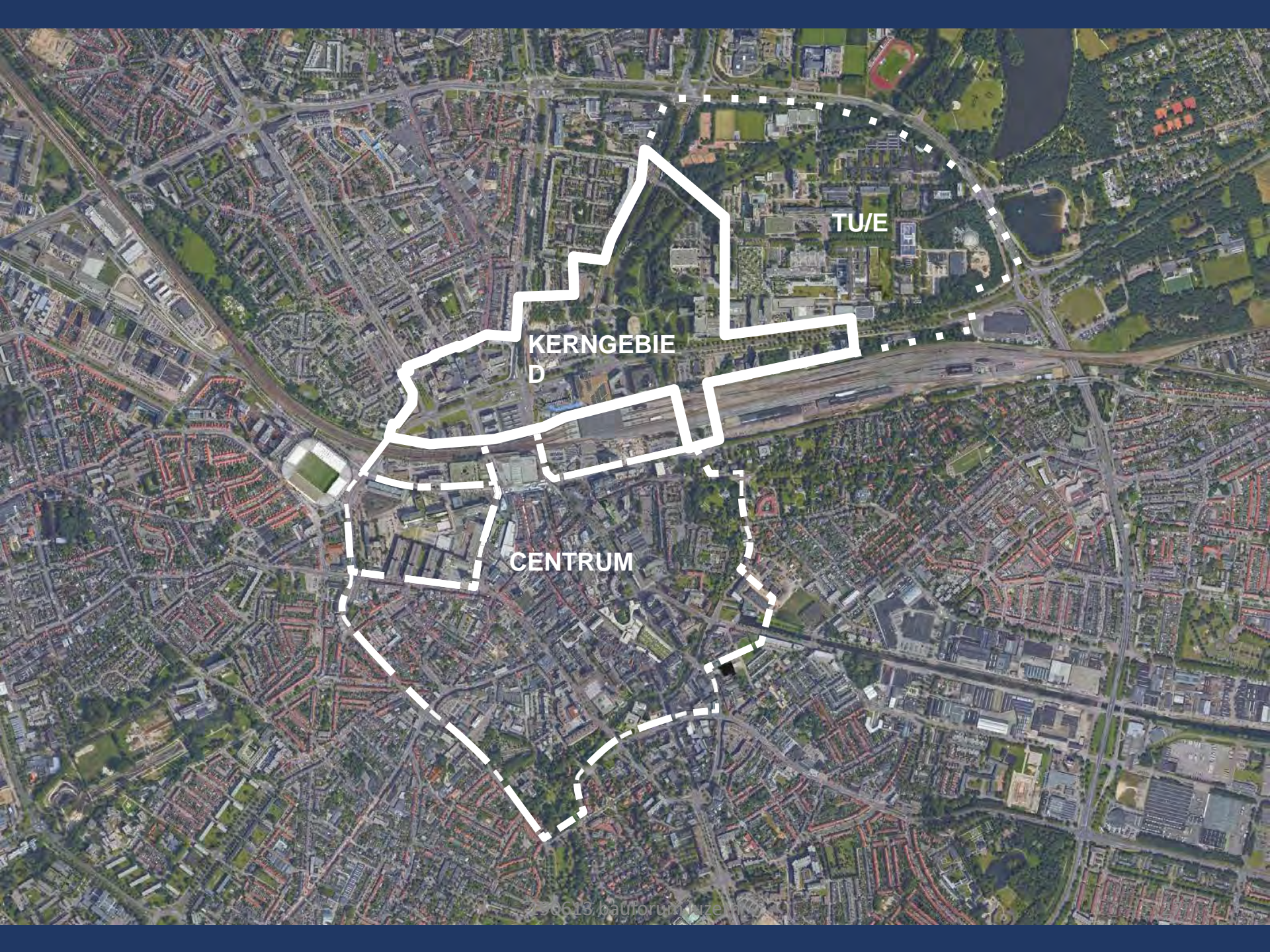


Streets with reduced traffic encourage walking and cycling



# Interventie 1 - Fellenoord wordt levendige stadsboulevard



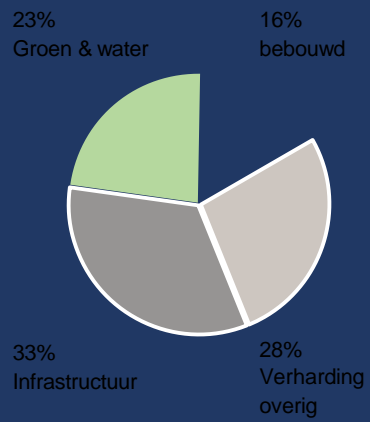


KERNGEBIE  
D

CENTRUM

TU/E

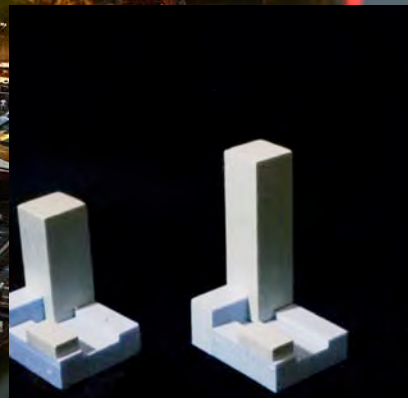
# Ruimtegebruik: infrastructuur domineert





# Fellenoord sleutelprojecten - Station Eindhoven















## The Myth / Narrative of HafenCity Hamburg

Unique product > special requirements > de-commodification of project-development > 'market-creation' > stabilization of a new (innovative) standard > resilience.

Prof Jürgen Bruens Berentelg



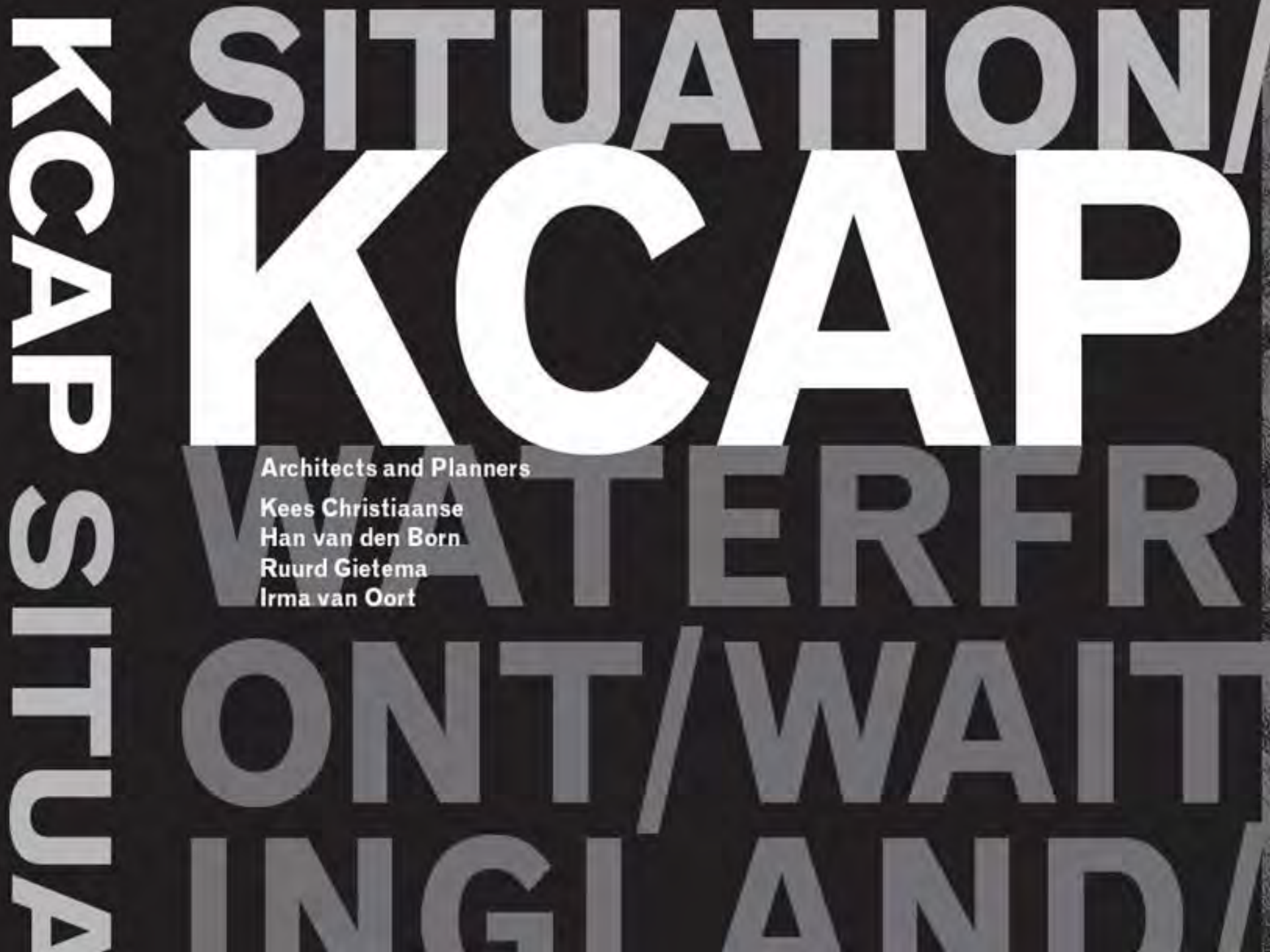
**HAFENCITY HAMBURG**

## PRAXISLEITFADEN ELEKTROMOBILITÄT

HINWEISE FÜR BAUHERREN, ARCHITEKTEN  
UND INGENIEURE ZUM AUSBAU ELEKTROMOBILER  
INFRASTRUKTUREN IN DER HAFENCITY



Atomization of economy > new 'ecosystems-networks' > demand for multiple supply and consumption of services and matter > short distance, mixed use, diverse city > re-entry of industry and logistics hubs into city (Astoc Billebogen).



SITUATION

# KCAP

Architects and Planners  
Kees Christiaanse  
Han van den Born  
Ruurd Gietema  
Irma van Oort

WATERFRONT

FRONT/WAITING

LAND

KCAP  
SITUA