

space&matter

Integrated design approach

What we do

Space&Matter is a full service office for spatial and strategic design ... and more



Think

Research
Concept development
Process design



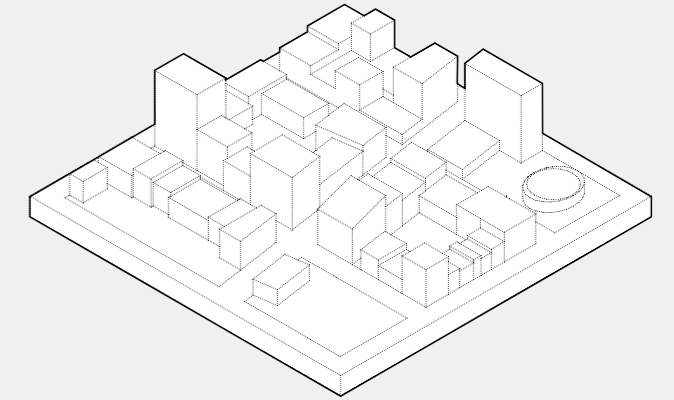
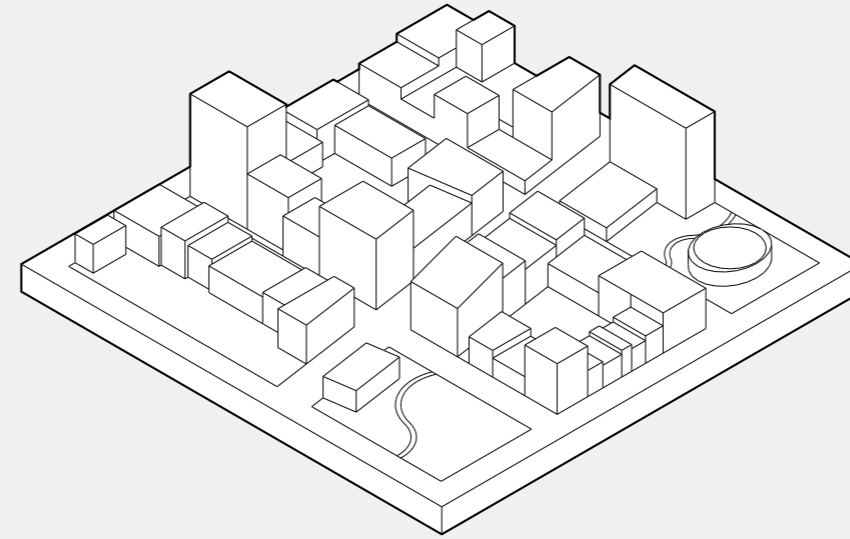
Design

Architecture
Urban Planning
Spatial Design



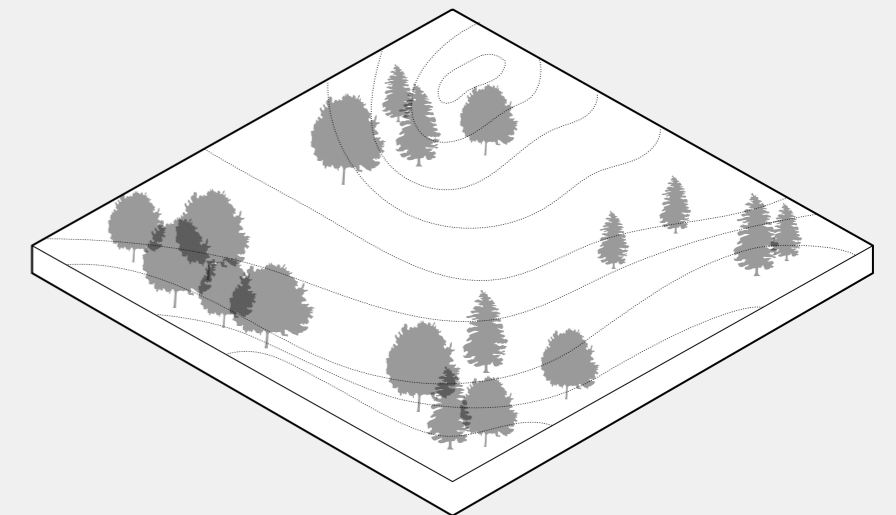
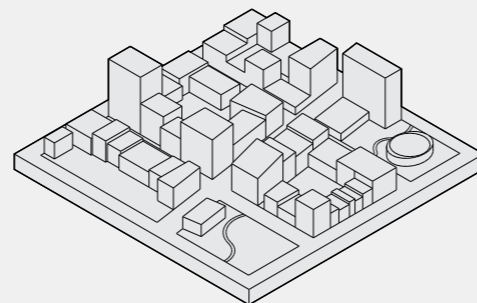
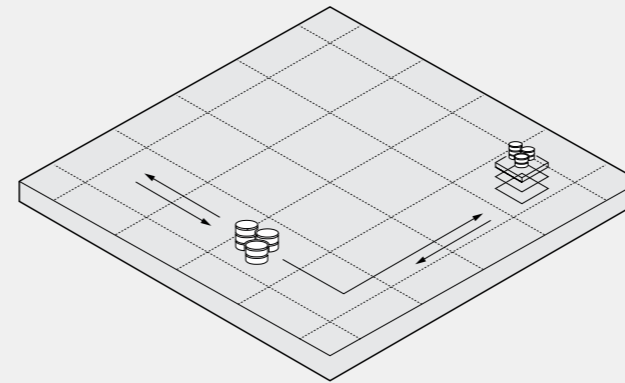
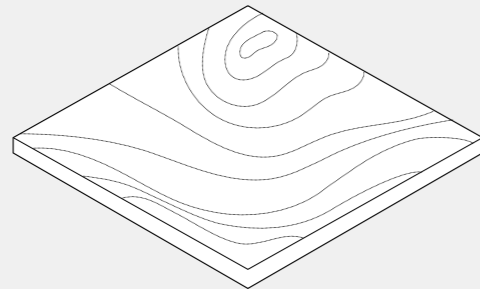
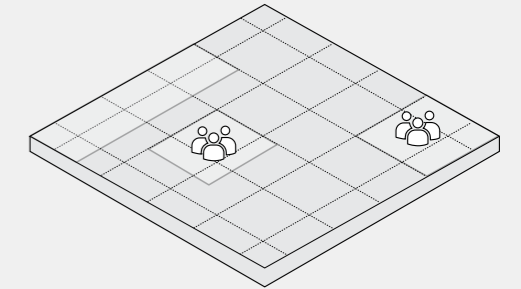
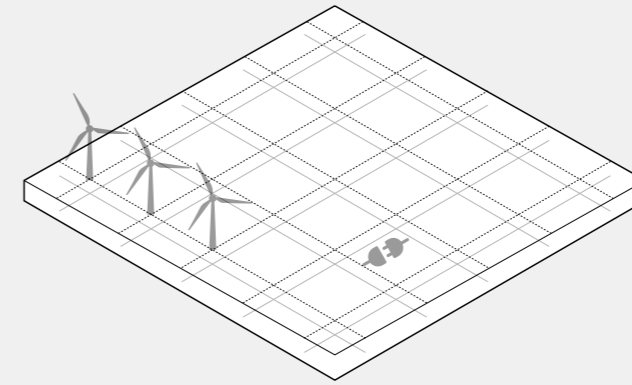
Act

Initiation
Engagement
Development



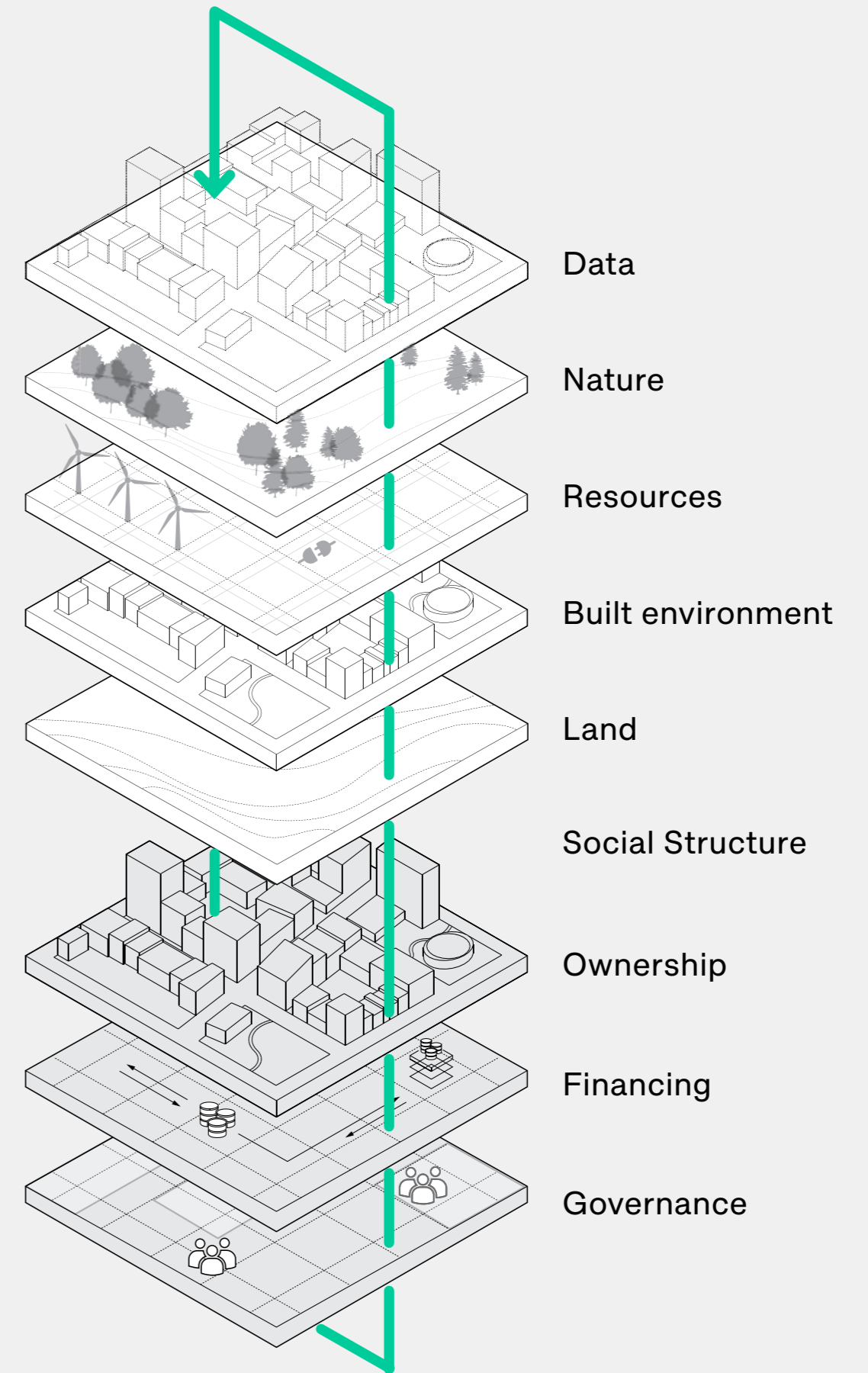
All working on islands

Usually single challenges are solved in competing solutions



Integrated design approach

Integrating all physical and non-physical layers of a neighbourhood



How we like to work

Community Centered Design



How we like to work

Participatory Design Processes



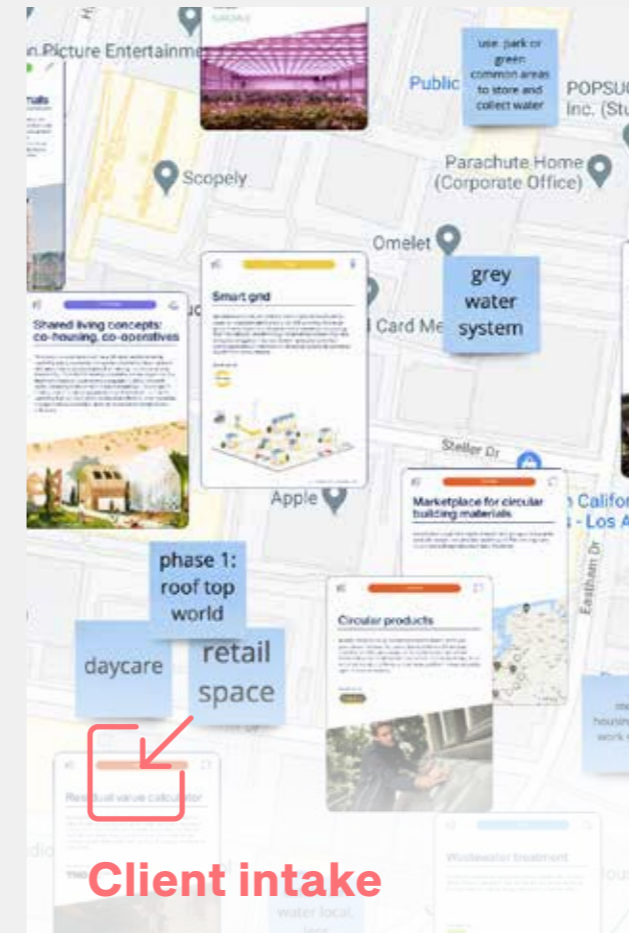
How we like to work
Supporting
Bottom Up
initiatives



How we like to work

By focusing on unique opportunities of the location and stakeholders involvement

1 What do we know already?



Client intake

In this phase, we will define the scope of the assignment in collaboration with the core group. We do some research at home and organize a site visit and a kickoff workshop. In this workshop, we will learn to understand all the details, background, sensibilities, challenges, and ambitions of the project.

Together with the core group, we define a shared vision on how to approach the assignment and what to expect as a successful outcome.

2 Who should be part of the process?



Stakeholder mapping

We don't design in a bubble! Thus, identifying and bringing stakeholders to the process from the very beginning is key. To make sure that the selection is comprehensive we do stakeholder mapping at the beginning of the project. It includes quadruple helix actors from business, municipality, citizen, and academic sectors across a series of domains (water, waste, food, energy, materials, digital, buildings, and infrastructure).

Mapping can be repeated several times during the project cycle to adapt the group to the new inputs and project demands.

How we like to work

By co-designing and facilitating workshops for stakeholder engagement

3

How should we co-create?



Workshop sessions

In a series of workshops we will map challenges and will exercise in brainstorming solutions. We will also co-create different conceptual and spatial scenarios. Each scenario has its own identity, spatial layout, and systemic logic. In all scenarios we will touch on relevant to the location and project topics. We will ask the right questions and give stakeholders freedom to express their ideas.

At the end we develop the favourite scenario, or we combine elements of several scenarios into one. We repeat this process till the holistic vision is really strong.

4

What to expect at the end of the process?



Final presentation


We digest the outcomes of the workshops and organize a final session where together with stakeholders we present an integrated design vision to a broader audience.

We are experienced with delivering compelling presentations, business pitch decks, booklets to inform communities and neighborhoods. Always accompanied with high-quality image representation that would support the story and help our clients share the great concept with others.

How we like to work


What the result will look like?

Vision



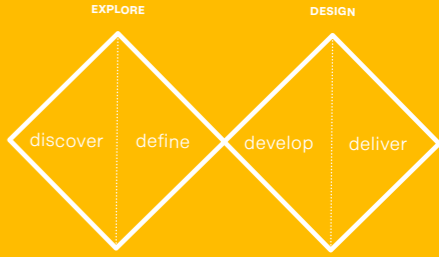
Human-eye visuals, illustrating different moments across the project, is a convincing tool to communicate the value of the concept.

Visual narrative




In a pitch deck we sharpen the storyline in order to be able to present the vision to a broader audience.

Workshops report




For our workshops we use a double diamond framework. In the exploration phase we discover and define. Later, in the design phase, we develop and deliver.

Spatial scenarios



Based on a set of possible scenarios, we will discuss the best ideas that would form vision of the place.

Roadmap



A clear roadmap is a key in driving the project forward towards sky-high ambitions.

Offline workshop format



Workshop task 2: Local challenges and opportunities

Task: Which your vision on the way, let's go to the other side of the horizon, just as if it's a mirror. Look at the system to help yourself identify opportunities around different topics.

Time: 30 min

A grid of six icons with corresponding text:

- Transition and access to renewable:** What are the characteristics of the area? What is the potential to be realized locally? What are the local sources of energy and water?
- Cultural heritage:** Creating a resilient system that is a continuation of what the place is about and makes lasting relations ships between people and place.
- Existing buildings and infrastructure:** What is already there? What buildings and infrastructure can be reused and transformed into new functions?
- Urban and blue corridors:** Can possible connection between city and nature, bring in more buildings, improve energy infrastructure, provide recreation and add value for a future green city.
- Local industry and businesses:** Are there existing industries from where we could see routes of production by source heat or electricity for the city? Could the industry use grey water or sewage from the near city?
- Local communities:** Are there local communities or neighbors with ideas and hands-on work for the project? How can we harness the creative potential of the location?

Workshop task 3: Integrated area development

Task: Use available tools to apply those concepts to the location. Work and discuss with the group where you see potential of working, planning or implementing these initiatives. Feel free to write your own ideas on post-its.

Time: 30 min

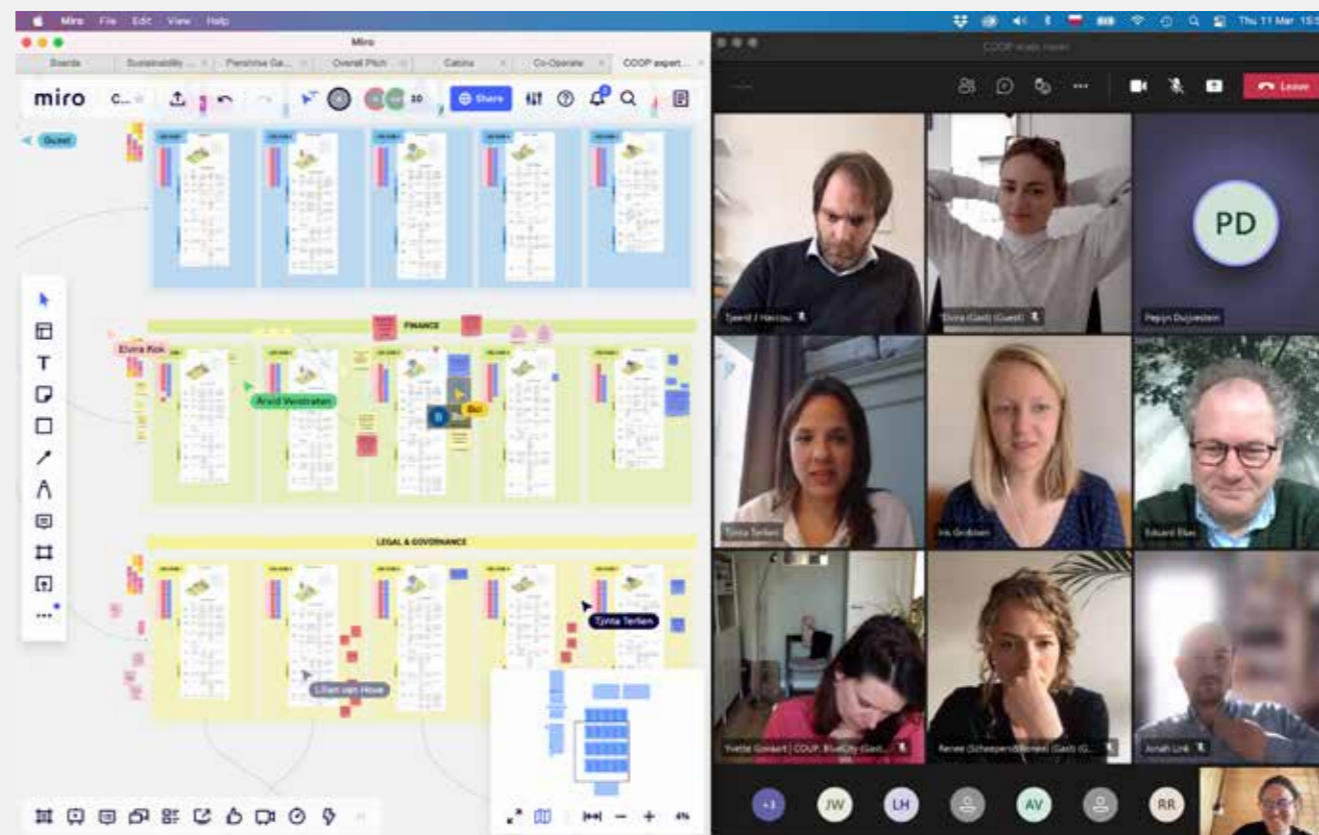
A grid of nine colorful icons representing different urban development concepts:

- 100% of local energy
- Hobby hub
- Local smart grid
- 30% of local production
- Urban design (streetscape & healthy living)
- Smart LED street lighting

How we like to work

How can it be done?

Online workshop process



De Ceuvel

Circular Living Lab

SMARTGRID

PHYTOREMEDIATION

SOLAR PANELS

COMPOST TOILETS

GREENHOUSE

AQUAPONIC FARM

BIOGAS BOAT

FLOATING HOTEL

FLOATING GARDENS

The New York Times

Building a Community on Polluted Land



A repurposed houseboat being hoisted ashore last year at a site now called former shipyard in northern Amsterdam. *Joan-Pierre Jans*

By Christopher F. Schuetz

Nov. 19, 2014

AMSTERDAM — Although Amsterdam's latest urban development, De Ceuvel, is built on solid ground, there's much that resembles a floating city. In their small, densely populated district, seemingly every square foot gets put to use — often for multiple purposes. That's one of the great joys of Amsterdam. You can

THE WALL STREET JOURNAL

One-of-a-Kind Experiences in Amsterdam

Four wacky, one-of-a-kind destinations in the Dutch capital, from sleeping in a bunker to



The waterfront De Ceuvel (top left); PHOTO: HERMAN VAN HEUSDEN FOR THE WALL STREET JOURNAL

By Alice Gagliano

May 11, 2014 12:47 p.m. ET

THE NETHERLANDS IS tiny. Take away the nearly 20% of the country covered in water and you're left with a land area half the size of West Virginia. As a result, the Dutch don't take space for granted. In their small, densely populated cities, seemingly every square foot gets put to use — often for multiple purposes. That's one of the great joys of Amsterdam. You can



De Ceuvel (top left); PHOTO: HERMAN VAN HEUSDEN FOR THE WALL STREET JOURNAL

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54 | THURSDAY, NOVEMBER 20, 2014 BUSINESS OF GREEN SPECIAL REPORT INTERNATIONAL NEW YORK TIMES

On the waterfront, an urban design

AMSTERDAM
Project near Amsterdam refashions shipyard into a sustainable experiment
BY CHRISTOPHER F. SCHUETZ
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Salvaging land, building community
The waterfront De Ceuvel (top left); PHOTO: HERMAN VAN HEUSDEN FOR THE WALL STREET JOURNAL
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Schoonschip

Floating circular neighbourhood

HEAT EXCHANGERS
IN WATER

SMARTGRID

ELECTRIC CAR SHARING

500 SOLAR PANELS

BIO-BASED
BUILDING METHODS

FLOATING
BIOREFINERY

In Amsterdam, a community of floating homes shows the world how to live alongside nature




Accidental pioneers

In the underground world of Amsterdam — commonly known as the floating city — a community of floating homes is showing the world how to live alongside nature. The floating homes in Amsterdam are not just a way of life, but a way of building. The homes are built on floating platforms, and they are designed to be sustainable and resilient. The homes are built with bio-based building methods, and they are designed to be energy-efficient. The homes are built with smart grids, and they are designed to be electric car sharing. The homes are built with heat exchangers in water, and they are designed to be floating biorefineries. The homes are built with 500 solar panels, and they are designed to be floating biorefineries.

This floating village in Amsterdam could help cope with rising sea levels

WORLD ECONOMIC FORUM



The floating village in Amsterdam is a sustainable and resilient community. The homes are built on floating platforms, and they are designed to be energy-efficient. The homes are built with bio-based building methods, and they are designed to be electric car sharing. The homes are built with smart grids, and they are designed to be floating biorefineries. The homes are built with 500 solar panels, and they are designed to be floating biorefineries.

Klaprozenbuurt

Neighbourhood designed with neighbours



Klaprozenbuurt

Neighbourhood designed with neighbours



Klaprozenbuurt: van bedrijventerrein naar wonen en werken



In de toekomstige Klaprozenbuurt komen ruim 2.000 woningen. Voor starters, stellen, gezinnen en ouderen. 40% sociale huurwoningen, 40% middelhoge huur en koop en 20% vrije sector. Het merendeel van de bestaande bedrijven kan terugkijken in de toekomstige situatie, behalve als ze het milieu belasten. Tussen de gebouwen, erop en eromheen, komt heel veel groen. Op de begane grond op de Klaprozenweg komen bedrijven en winkels zodat het een levendige

What are the opportunities
coming from your unique location?

What is the perspective of all
stakeholders involved?

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