

3 X 3

Points

Examples

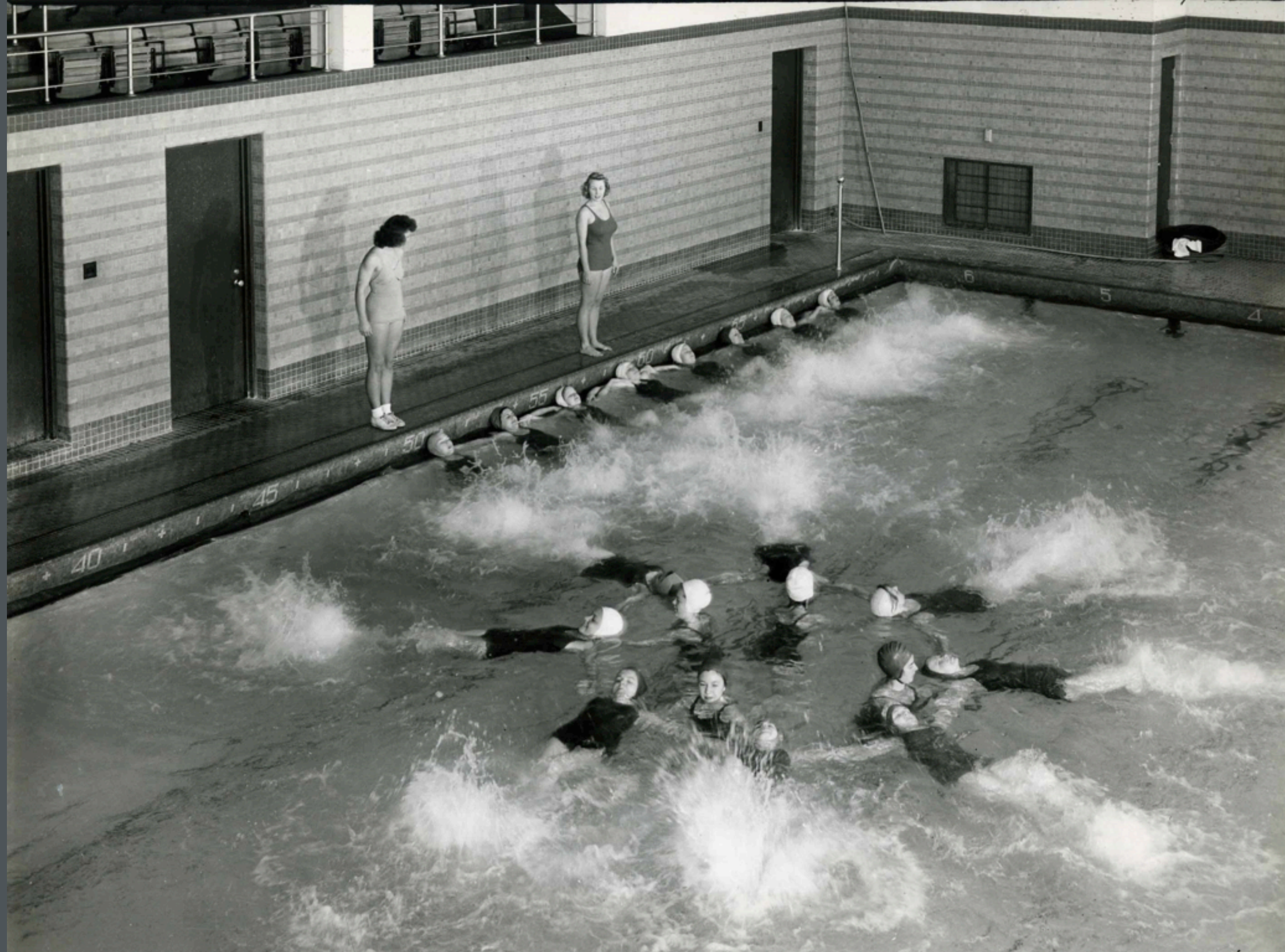
3

Points

Integrated solutions
Empowered citizens
Innovation platforms

A STORY

1950's Denmark



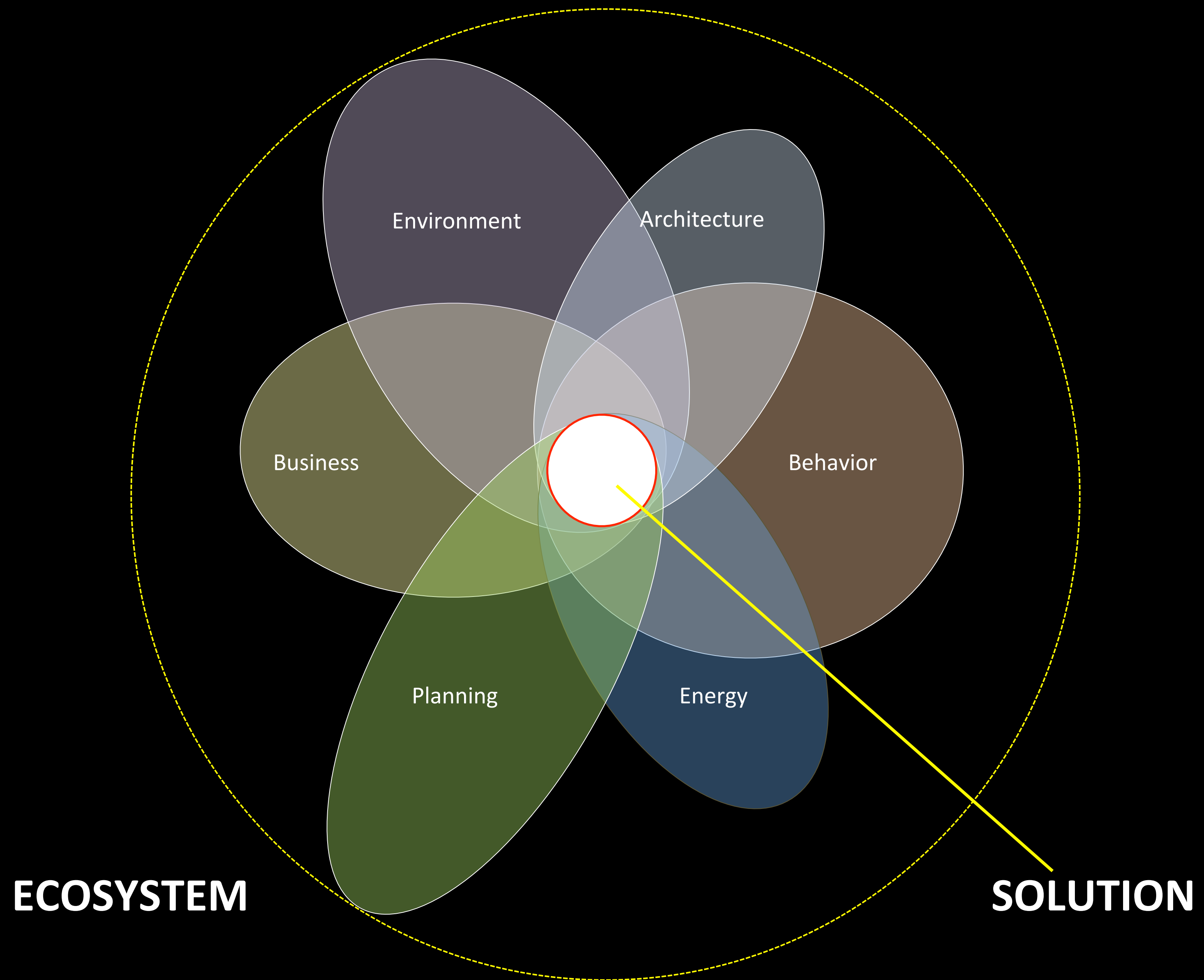
A DIFFERENT WORLD

18th century institutions in the 21st century world

A PROJECT

WWW.LOW2NO.ORG

ZERO CARBON CITIES





Context?

Content?



Jätkäsaari, Helsinki

on-site



timber

the embodied carbon in materials and structure from construction is reduced by around 20-25% by using a timber structure where possible. This has added social and environmental benefits as well as helping to reduce the carbon impact of the low2no block.



building design efficiency

we are exploring strategies to reduce energy demand by 40% and produce a significant proportion of our energy from renewables and low carbon sources. In order to extend outdoor and indoor comfort periods we are considering microclimate and climate change.

energy efficient office equipment

we are working with IT and behavior specialists to explore innovative approaches to information technology, such as thin client technology.



live/work lifestyle

We will explore options for live/work at the block scale and the individual flat scale.

On-site energy and heat generation

Optimise the use of available renewable energy by careful mapping and using leading edge energy technologies. Explore closing the grid parity gap through new financing models. Consider the relative efficacy and affordability of on-site and off-site technologies.



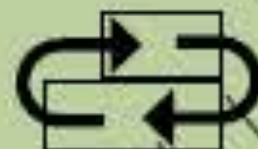
food services

food accounts for a significant proportion of the average residents' emissions. Food services such as community gardens, farmers' markets and the food hub will enable residents to make more sustainable choices and to improve their quality of life and the local supply chain.



smart systems

To enable low carbon lifestyles, we will use technology such as real time display of energy use. Smart controls can improve demand side management. Both approaches contribute to building energy use reduction.



a lifetime neighbourhood

we suggest exploring options for residents who are downsizing can swap their family sized apartments to residents with growing children. There is a precedent of this in the COIN Street development in London's South Bank.

living laboratory

the living lab provides space is proposed to be linked to SITRA's headquarters. Similarly, SITRA's in the lab include incubation and pilots for demonstration and experimentation with innovative design, technology and processes.



low carbon mobility

the site and the surrounding area will benefit from mobility services such as a car club, cycle repairs and a smart systems for real time travel information.

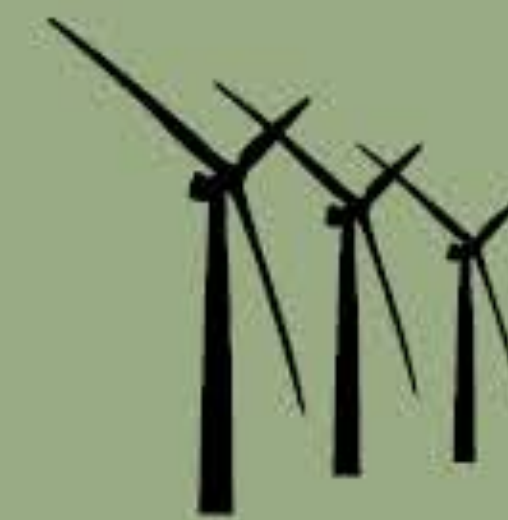
Jätkäsaari



energy and compost from food waste

there is an opportunity to explore the feasibility of a biogas plant which can turn food waste from the low2no block and the surrounding area into compost and bio gas which can be used for energy.

offsite



renewable energy

the use of cost effective carbon reduction measures off site allows for greater replicability and affordability.



electricity grid/CHP energy supply

the site uses the local electricity grid and Helsinki's existing CHP infrastructure. If the carbon intensity of the energy supply is reduced by utilities as forecast over time, emissions for energy use across the whole site decline.



Finnish forest sequestration

In addition to on-site renewables we propose to invest in sequestering carbon across Finland.

Communication strategy

we propose to develop a clear communication strategy to raise awareness of the project, build support and increase the replicability of the project.

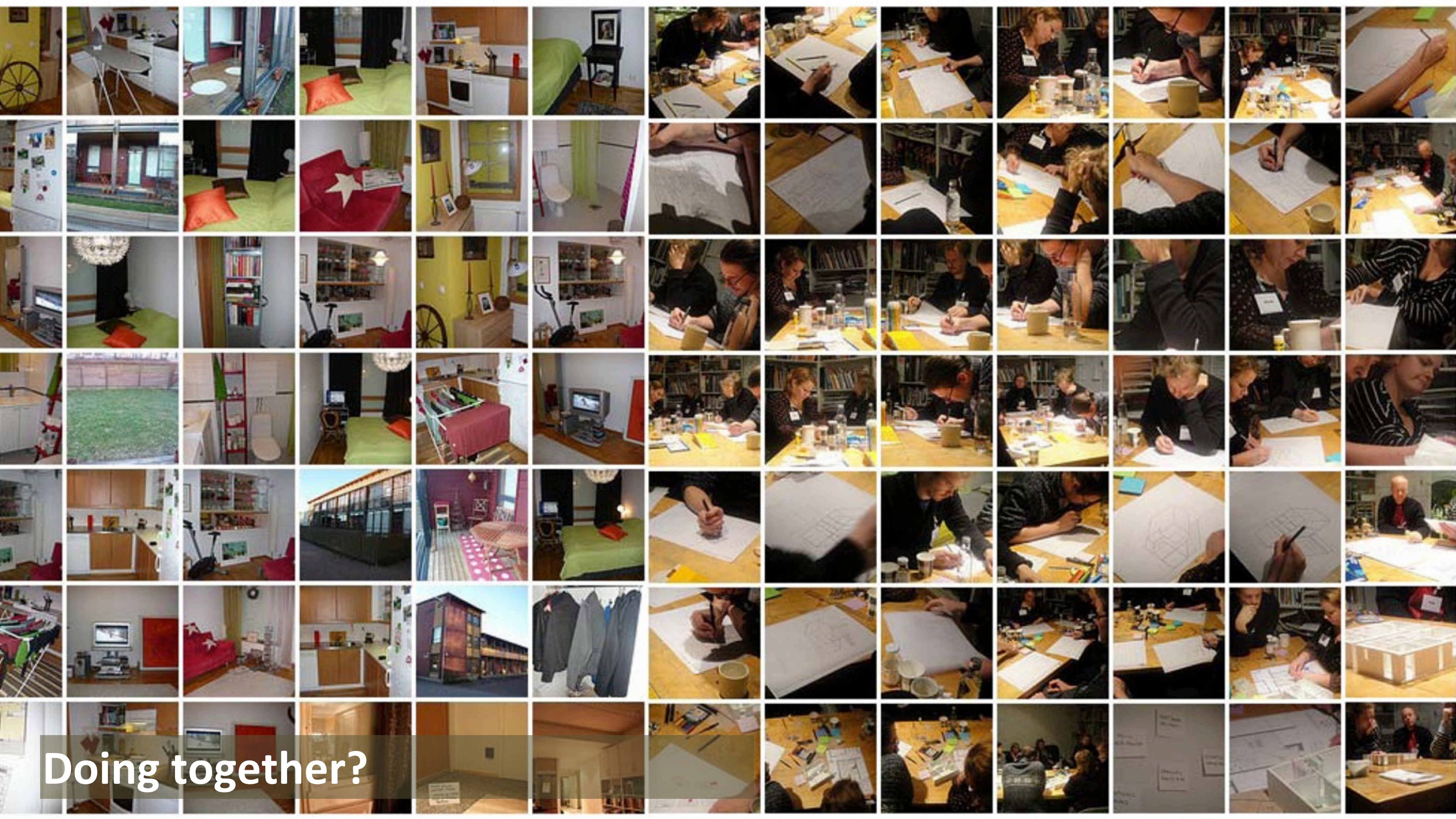




Design?



Integrated teams?



Doing together?



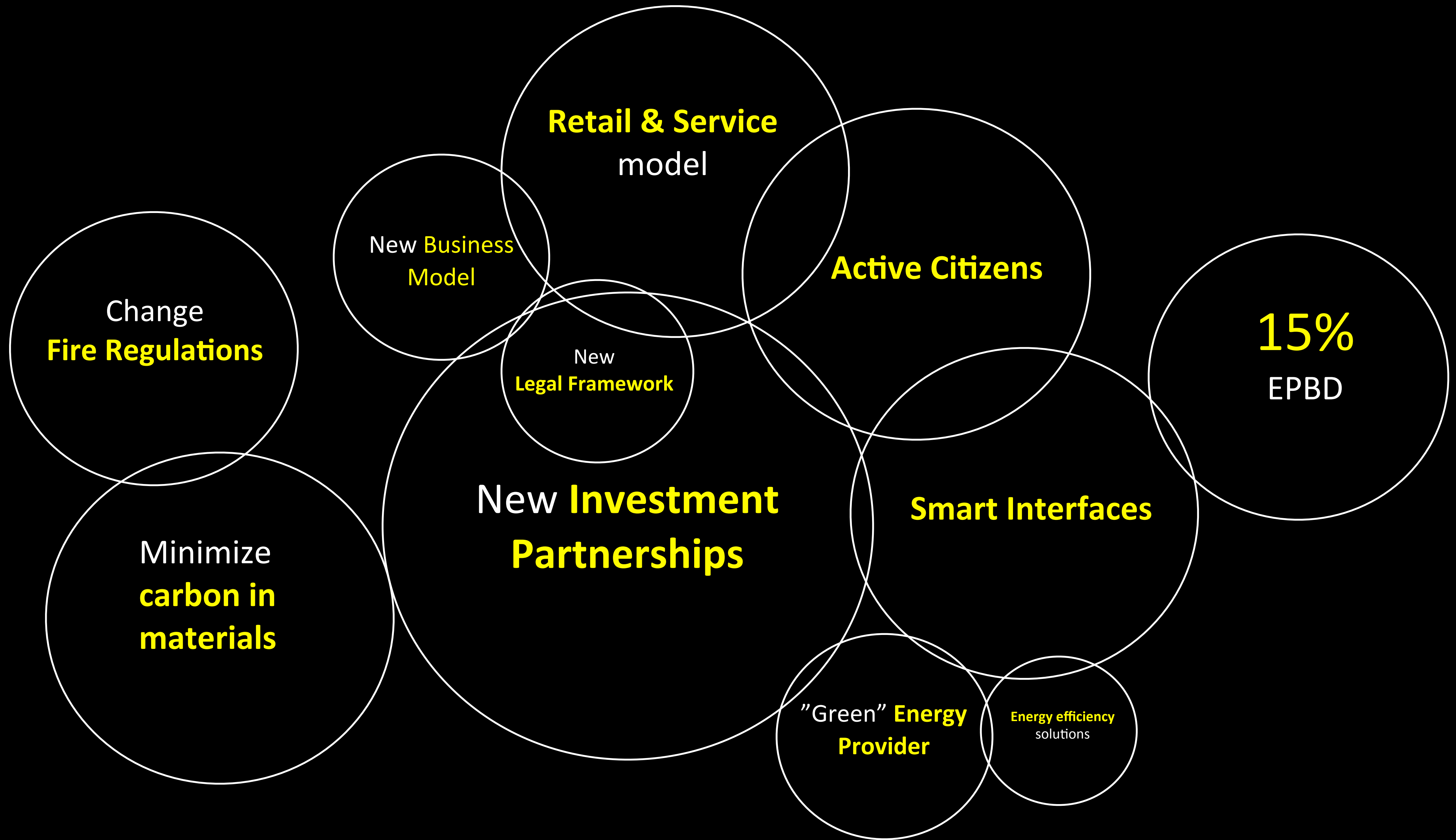
New investment partnerships?

Service ecosystem?





Construction materials?



AN IDEA

WWW.BRICKSTARTER.ORG
CITIZEN ENGAGEMENT PLATFORM



NIMBY to YIMBY RAVINTOLAPÄIVÄ



BRICKSTARTER

(KICKSTARTER)





CURRENTLY

GET INVOLVED

€22,145

Target €30,000 /

24 days left

INVEST

VOTE

PROJECT

Aaltogrotto

SUGGESTION

“A [co-working](#) space in the [disused](#) Aalto-designed staircase on [Mannerheimintie](#)” backed by [Johanna Karjalainen](#) and [142 others](#)

WHAT WE NEED

[Medium-size Brickstarter development package](#)



BADGES EARNED



MUNICIPALITY
APPROVED



PRO BONO
PRO USER



RENEWABLE
ENERGY



Aaltogrotto



Aaltogrotto

Get involved



YOU CAN JOIN THE NEXT MEETING

WHERE? Brickstarter South, May Forum
Designmuseo, Helsinki [Map](#)
WHEN? 16 May 2012 18:00
RSVP? Via [Facebook](#)

PREVIOUS MEETINGS

 [Open project file](#) to read the story so far



YOU CAN INVEST IN THIS PROJECT

You can [make a donation](#) to help fund this project. Invest between €5 and €10,000.

Currently €22,145

Target €30,000

€22,145
—
TARGET IS
€30,000

143
—
INVESTORS
SO FAR

[INVEST!](#)



YOU CAN ALSO INVEST YOUR TIME

This project currently needs:

-  7 hours of a [lawyer](#)
-  6 hours of an [electrical engineer](#)
-  3 hours of a [structural engineer](#)
-  3 hours of a [builder](#)
-  3 hours of a [plumber](#)



OR, YOU CAN VOTE FOR THIS PROJECT

[Add your vote](#) to help make this happen.

2022
—
VOTES
SO FAR

843
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LOCALS

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This project currently needs:

-  7 hours of a [lawyer](#)
-  6 hours of an [electrical engineer](#)
-  3 hours of a [structural engineer](#)
-  3 hours of a [builder](#)
-  3 hours of a [plumber](#)

[Add your vote](#) to help make this happen.

2022
—
VOTES
SO FAR

843
—
ARE
LOCALS

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Project backers

COORDINATORS



[Johanna Karjalainen](#)



[Robert Bringhurst](#)



[Hannele Timonen](#)

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COORDINATOR
A QUESTION](#)

INVESTORS



[Anna Raittu](#)



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[YOU CAN
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Tuula
Soininen



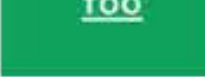
Gabriel
Marquez



Eeva
Engeström



Anne
Mikoleit



Project details



PROJECT FACT-SHEET

NAME? Aaltogrotto
 WHAT? A [co-working](#) space in the [disused](#) Aalto-designed staircase on [Mannerheimintie](#)
 WHO? First suggested by [Johanna Karjalinen](#)
 TYPE? [Public space](#)
 GOAL? [Medium-sized](#) [Brickstarter](#) package
 TARGET? €30,000
 TO GO? 24 days

 [Open project file](#) to read the story so far



THE GOAL

BADGES SO FAR



MUNICIPALITY
APPROVED



PRO BONO
PRO USER



RENEWABLE
ENERGY

PROJECT LOCATION



3

Points

Integrated solutions
Empowered citizens
Innovation platforms

THANK YOU!

The Finnish Innovation Fund

www.sitra.fi

Some of our Design initiatives

www.low2no.org

www.brickstarter.org

www.insidejob.fi

www.helsinkidesignlab.org

Marco Steinberg; Director of Strategic Design

Finnish Innovation Fund, Sitra

SITRA