

Designing future cities (after the internet)

Dan Hill

Executive Director of Futures
Future Cities Catapult

futurecities.catapult.org.uk

[@cityofsound](https://twitter.com/cityofsound) / cityofsound.com

Manchester



The Smart City.

Smart city = efficiency
via software- &
sensor-driven
feedback loops in
connected spaces.

Understanding the city as a real- time system

The Cloud





Barangaroo

Masdar



MELBOURNE SMART CITY

Melbourne



Property development +
IT infrastructure?



New Songdo City

New Songdo City



A woman with long black hair, wearing a black business suit and high heels, stands in an outdoor courtyard. She is holding a smartphone up to take a photo. The courtyard has a paved ground, a wooden planter box with a small tree, and a building with large glass windows in the background. The text "SongNo" is overlaid on the image.

SongNo

Shanghai Expo



Shanghai Expo 2010 / Cisco pavilion





父与女 他们
将如何驱散心中的阴霾

We don't
make cities
in order to
make buildings
or infrastructure.

Culture
Commerce
Community
Conviviality
The City itself
&c.

Our approach to
our infrastructure
does clearly affect
the city, however.



GM vs LA



Sydney 1906

1906



The value of
inefficiency

**“Technology is the answer.
But what is the question?”**

—

Cedric Price

*Have we
made clear
the value of
the smart city
to citizens?*

?

**“The best way to predict
the future is to design it.”**

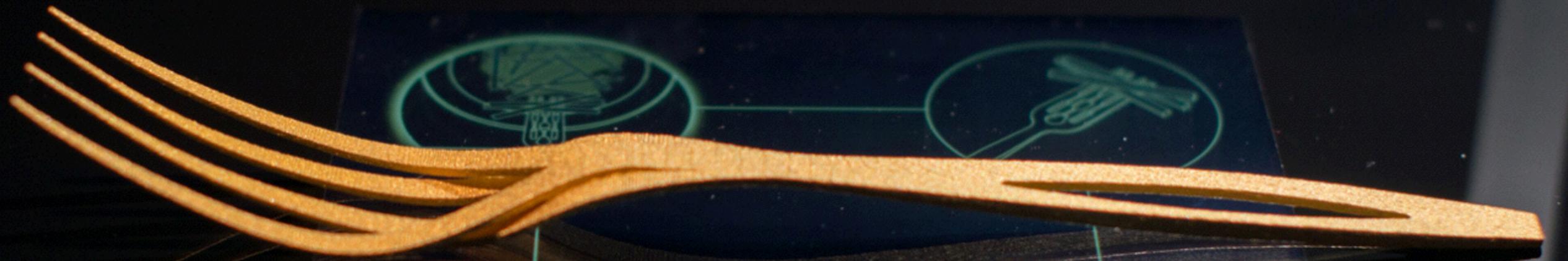
—

Buckminster Fuller









Informational text on a white background, likely describing the exhibit. The text is mostly illegible due to blurring but appears to be organized into two columns.



Design to ask questions.



**“Technology is
the answer. But
what is the
question?”**

**—
Cedric Price**



**“The best way
to predict the
future is to
design it.”**

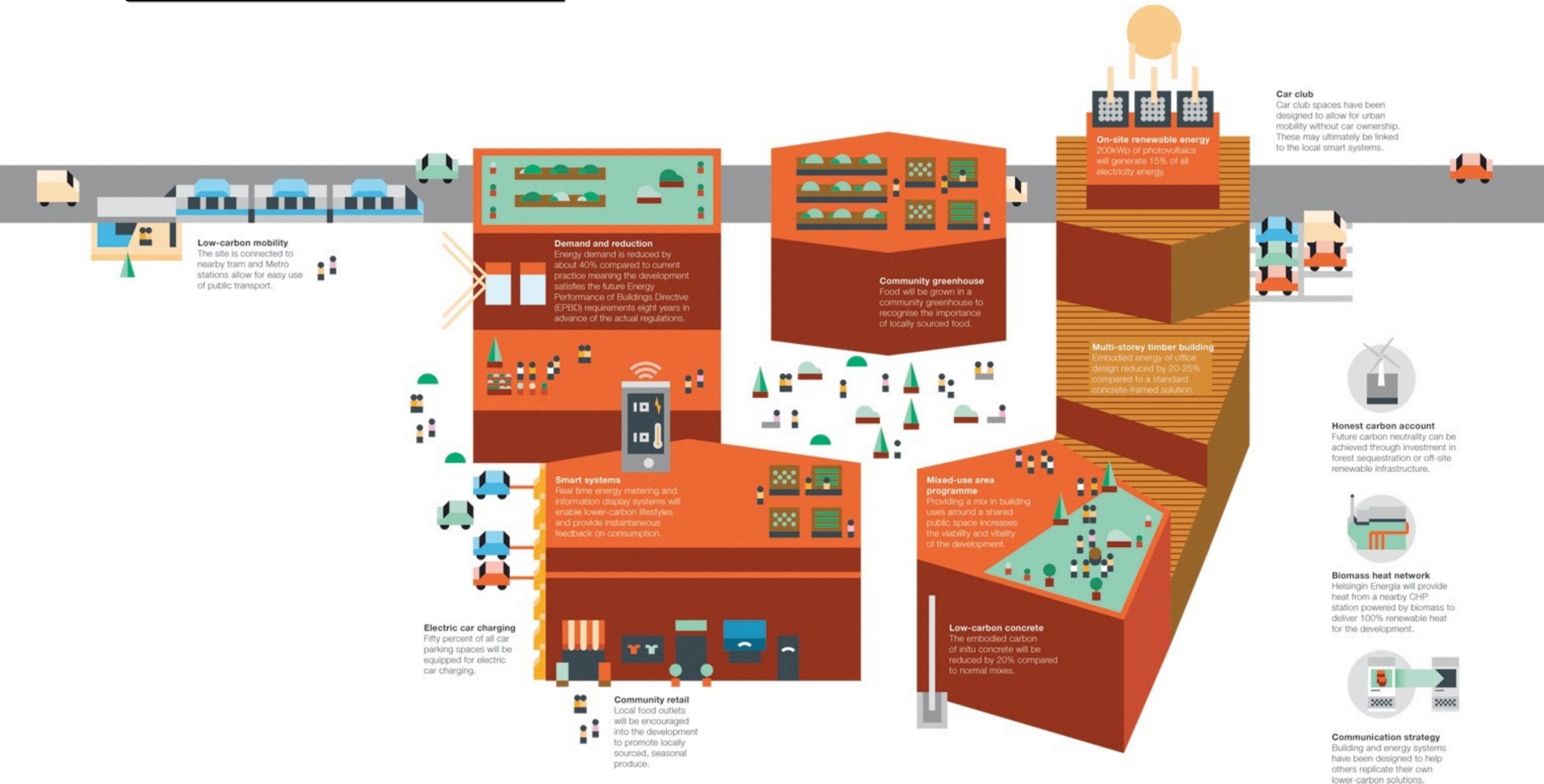
**—
Buckminster Fuller**

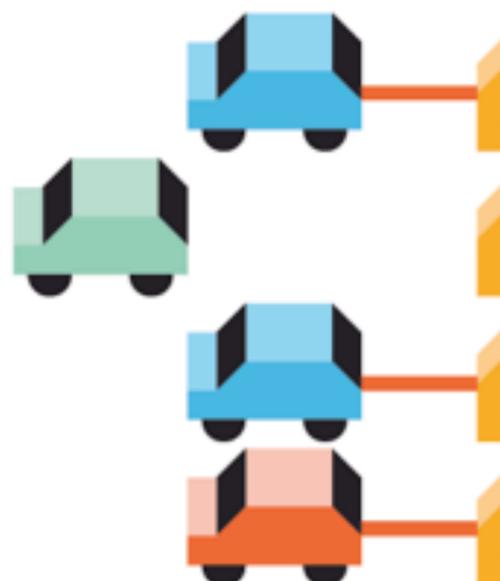
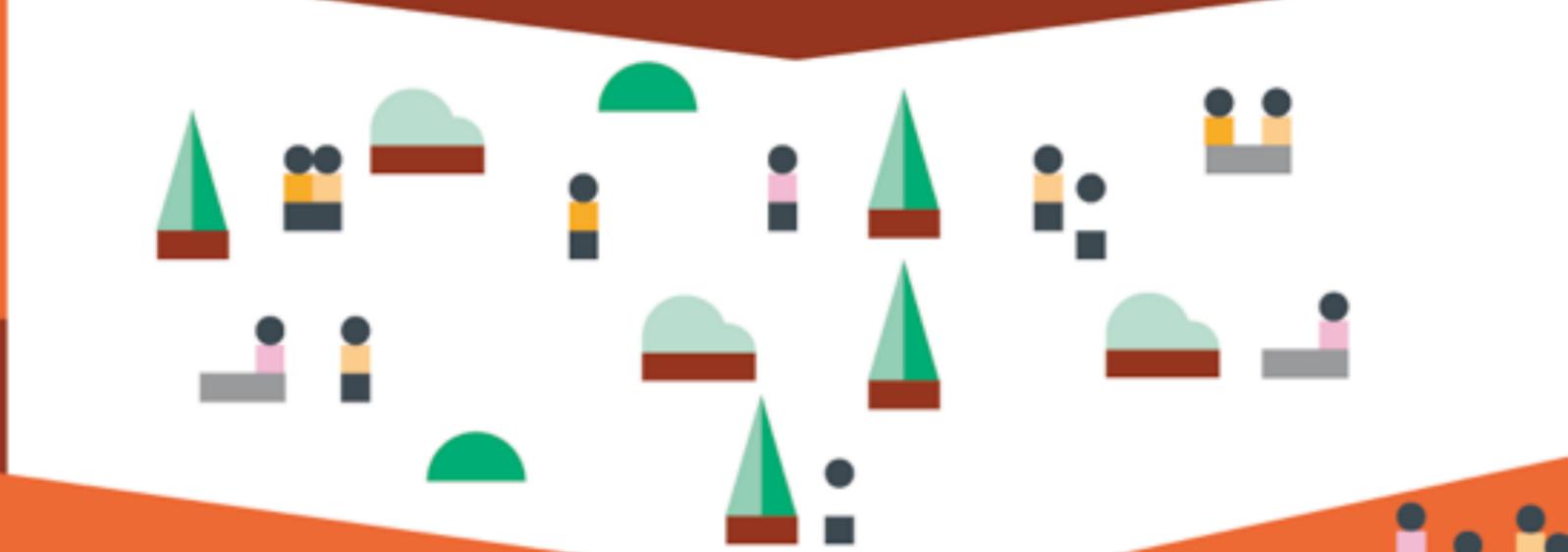
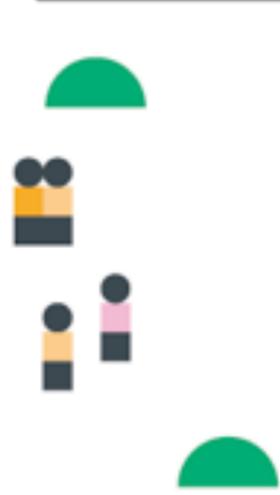
Urban prototyping

—

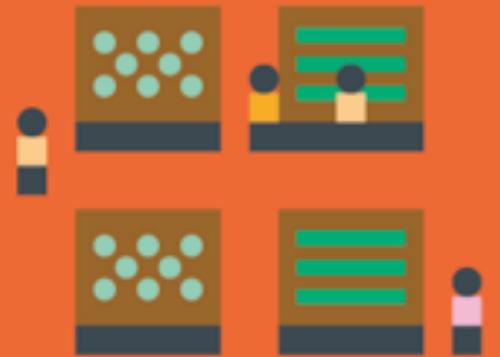
*21st century city
products & services*







Smart systems
Real time energy metering and information display systems will enable lower-carbon lifestyles and provide instantaneous feedback on consumption.



Mixed-use area programme
Providing a mix in building uses around a shared public space increases the viability and vitality of the development.



Electric car charging
Fifty percent of all car parking spaces will be equipped for electric car charging.



Community retail
Local food outlets will be encouraged into the development

Low-carbon concrete
The embodied carbon of in situ concrete will be reduced by 20% compared to normal mixes.



Low-medium space requirements (800-1200 sqm)

single worker

A working day



An organic breakfast is the best way to survive a working day.



Antti brings his daughter to the garden for an activity organized by the kindergarten.

8.30am



The bank is already open. Antti asks information about the newest economic incentives.

9am



He needs to plan a business trip in France. The travel agency helps him make it more sustainable.

4.30pm



Just realized that his best suit is dirty! Fortunately the laundry is close to his home.

5pm



7pm



8pm



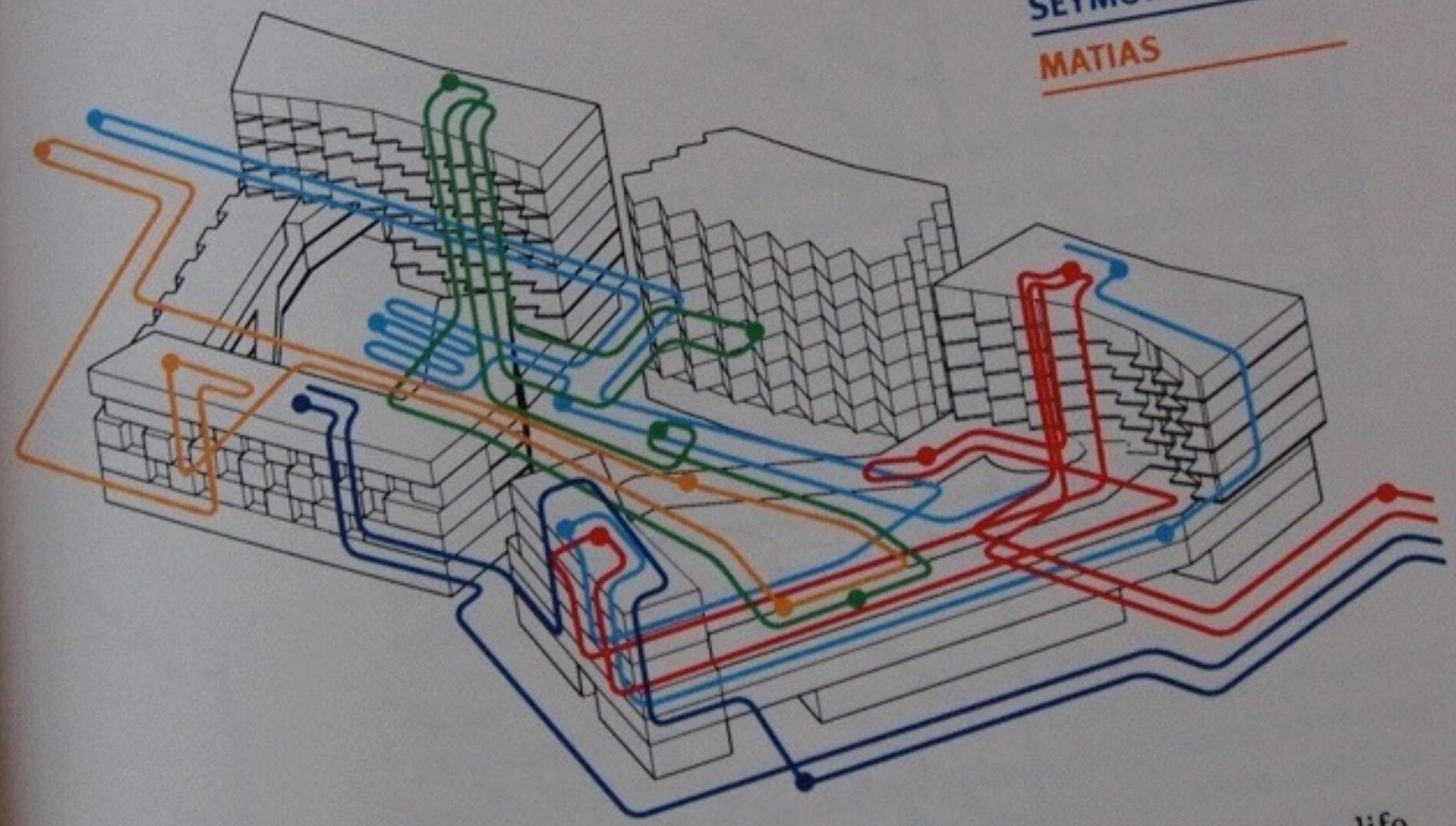
PEOPLE

SUMMARY

SCENARIOS TRACKED AND OVERLAID

LOOKING FOR SPATIAL CONCENTRATIONS OF ACTIVITY

- KATERIINA
- NIKO
- TOM
- SEYMON
- MATIAS



laboration is going
Matias notices a
working spaces,
ver the c_life with
why that city is

s' is being inhab-
eaming a show di-
e guy that started
e of Sitra's '14-day
sky businesses in
such a space?"

for his opinion on
t the prospect of
Tom only seems
to talk about, like
vegetables in the
s don't seem worth
n has been lately.

of the emerging c_life

Elephant & Castle development, Lend Lease



A vibrant, modern urban courtyard scene. In the background, multi-story brick buildings with balconies and large windows rise up. The courtyard is filled with lush green trees and manicured landscaping. People are seen walking on a paved path, sitting on a wooden bench, and interacting in the open space. The overall atmosphere is one of a well-integrated, green urban environment.

*What does a 21st
century urban
development look
like?*





Catapult / Sensing London, Hyde Park









Catapult / Sensing London, w/Quantum Black

43 $\mu\text{g}/\text{m}^3$
PM 10

Budget

£0

£280K

Overall colour scheme



Bicycle scheme



0



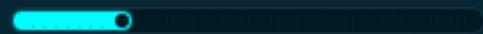
Low Emission vehicle scheme



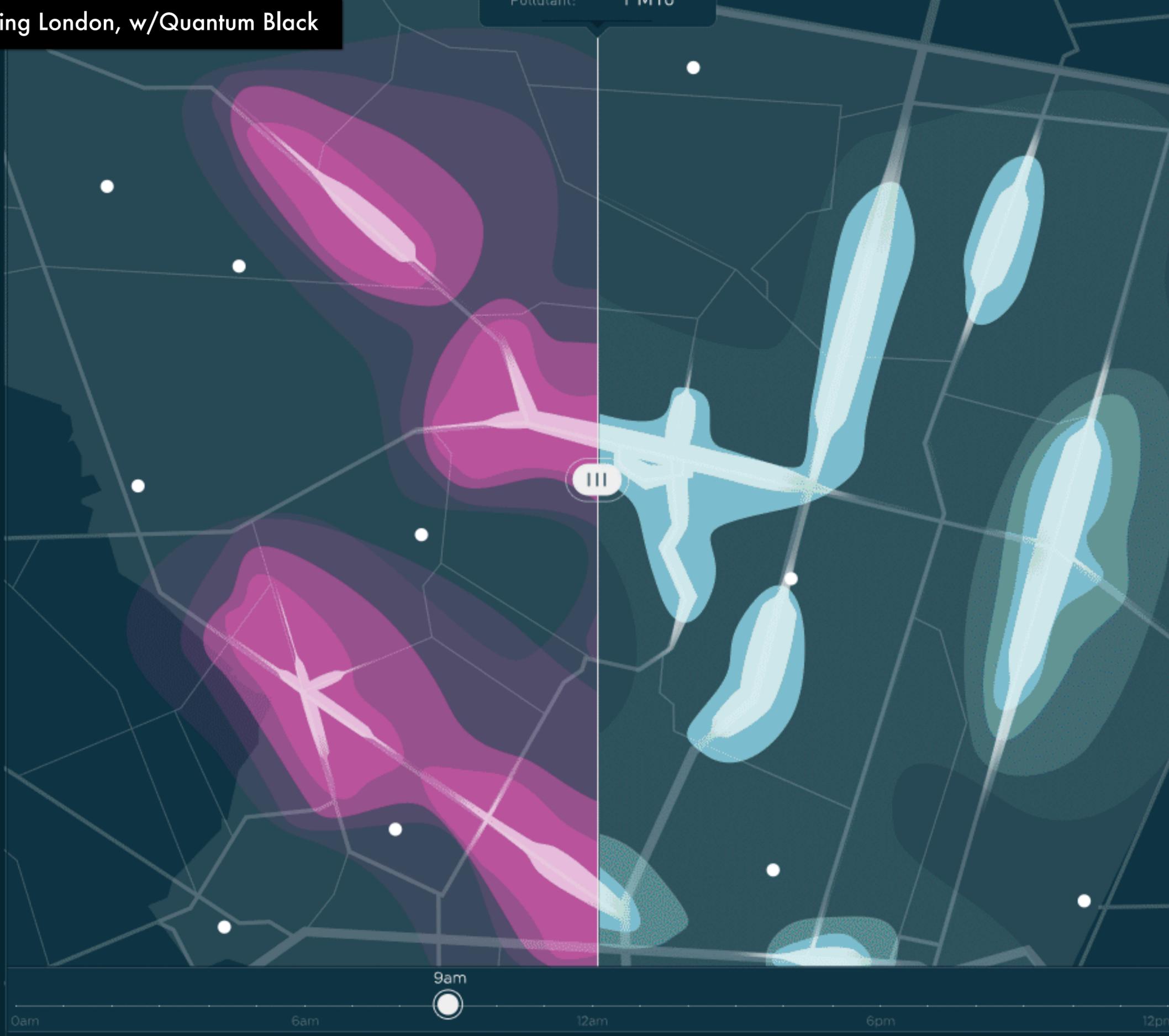
75%



Walk to school scheme



25%



65 $\mu\text{g}/\text{m}^3$

Budget

£0

£280K

Overall colour scheme



Bicycle scheme



25%



Low Emission vehicle scheme



25%



Walk to school scheme



50%

0am

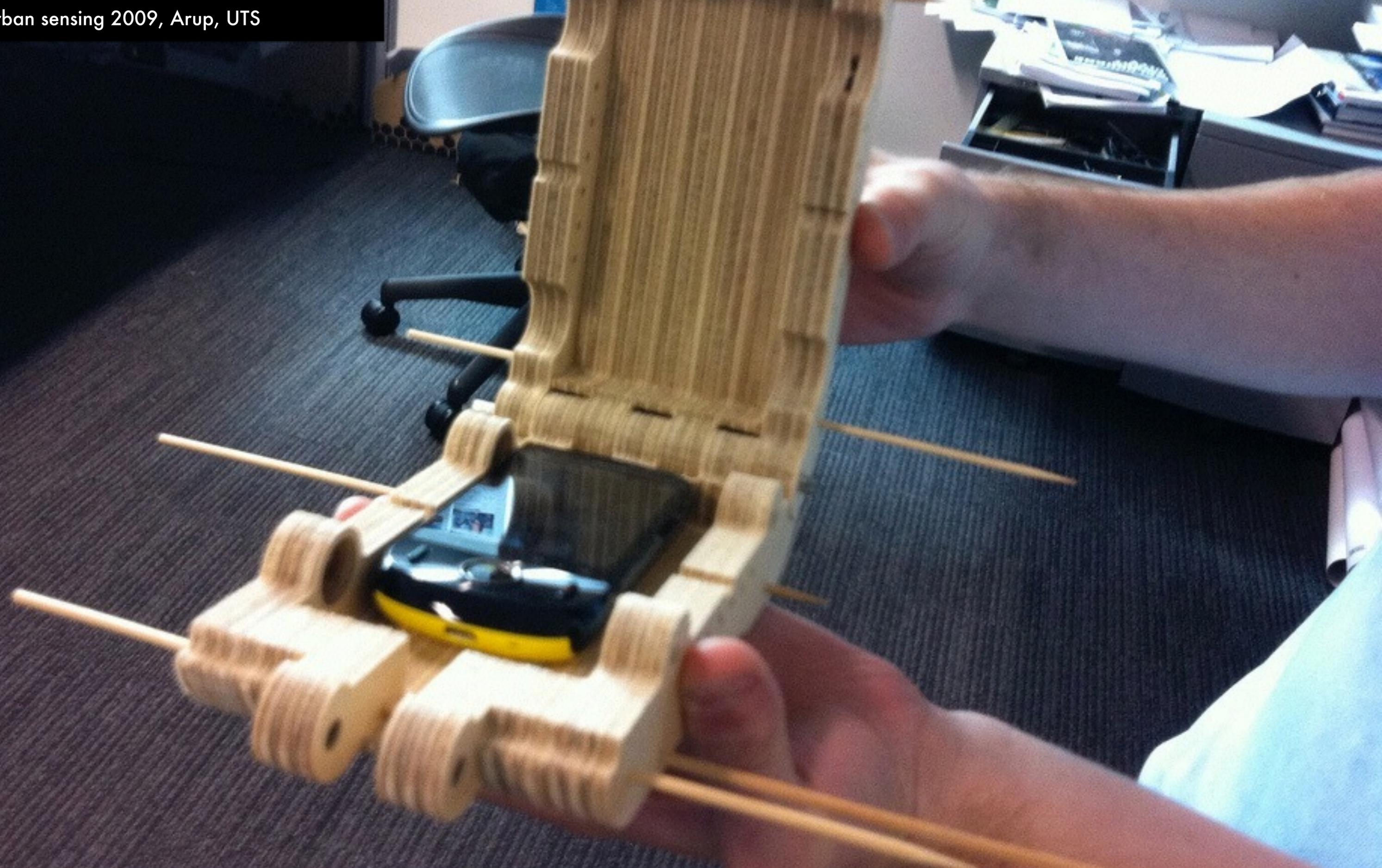
6am

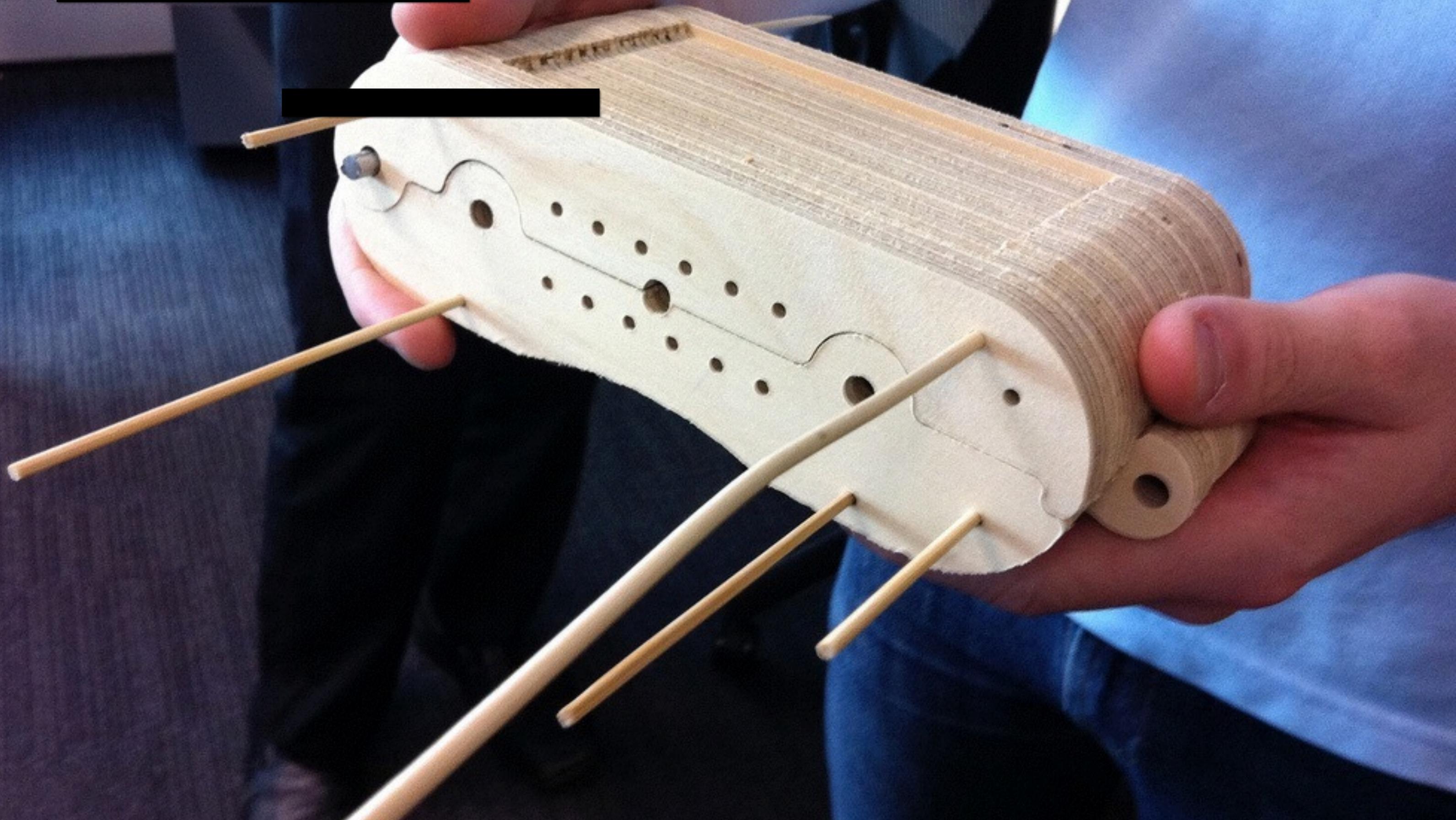
9am

12am

6pm

12pm





HELLO
i'm sensing...

view live data feed at:
www.artificialtourism.com/ticker

- presence
- activity
- enviromental data
- touch
- motion
- object use
- interaction

node id: 17

HELLO

i'm sensing...

- presence
- activity
- enviromental data
- trun
- motion
- object use
- interaction

view live data feed at
www.artificialtourism.com/ticker

node id: 17

*What should a
public sensor box
be like?*





Het Schip / courtesy of Matt Cottam





Het Schip / courtesy of Matt Cottam



Het Schip / courtesy of Matt Cottam



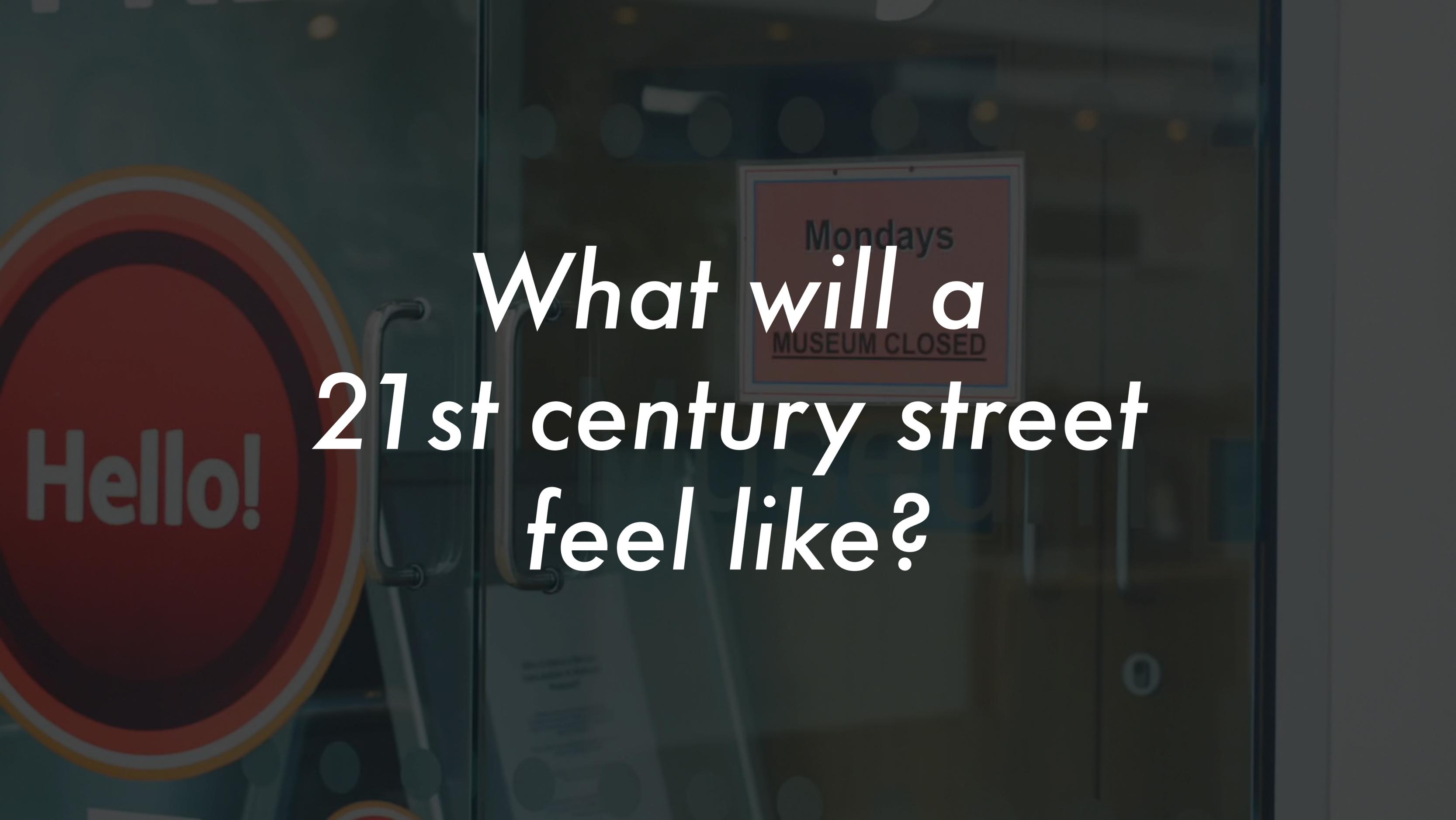




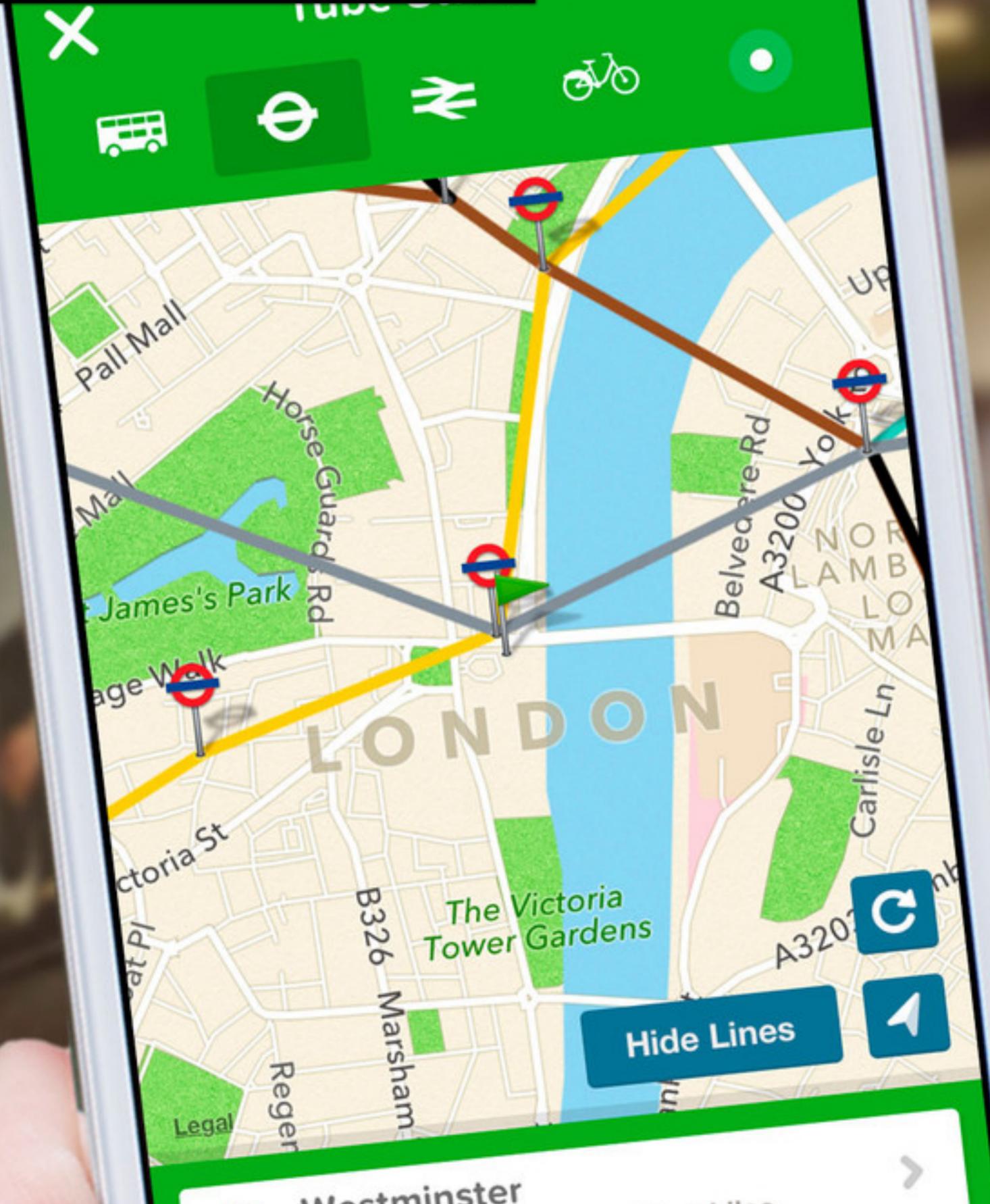
Mondays
MUSEUM CLOSED

Museum

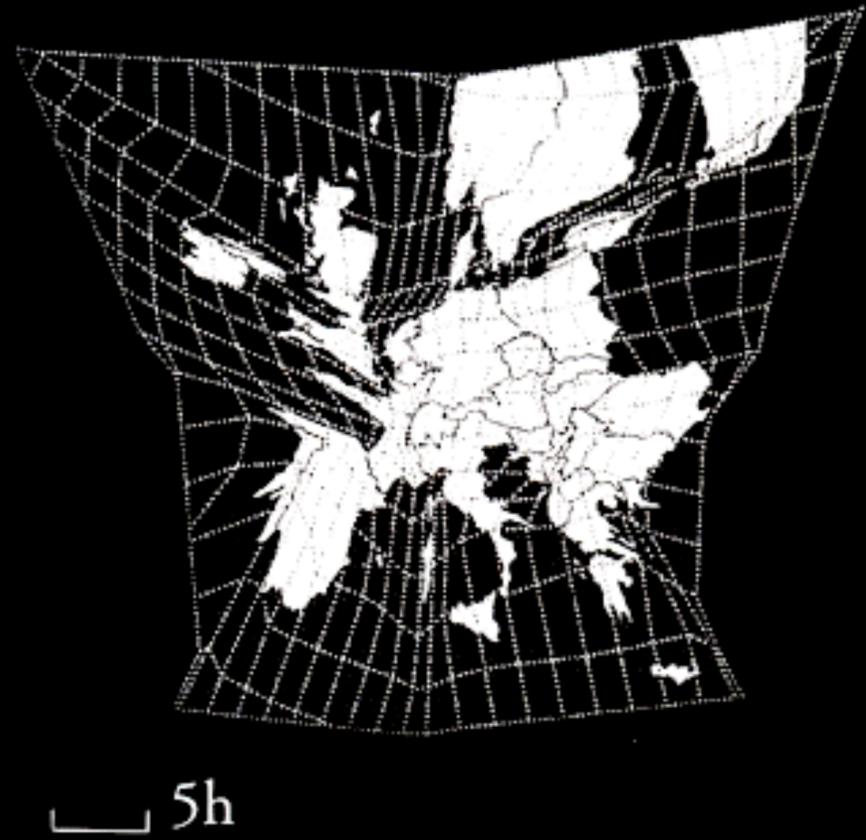
connectedstreets.org



*What will a
21st century street
feel like?*



Europe compressed via HST







Newspaper Club



Next printing in
13 hours and 58 minutes

[How it works](#) [Products](#) [Prices](#) [Newsagent](#) [Help](#) [About](#) [Blog](#)

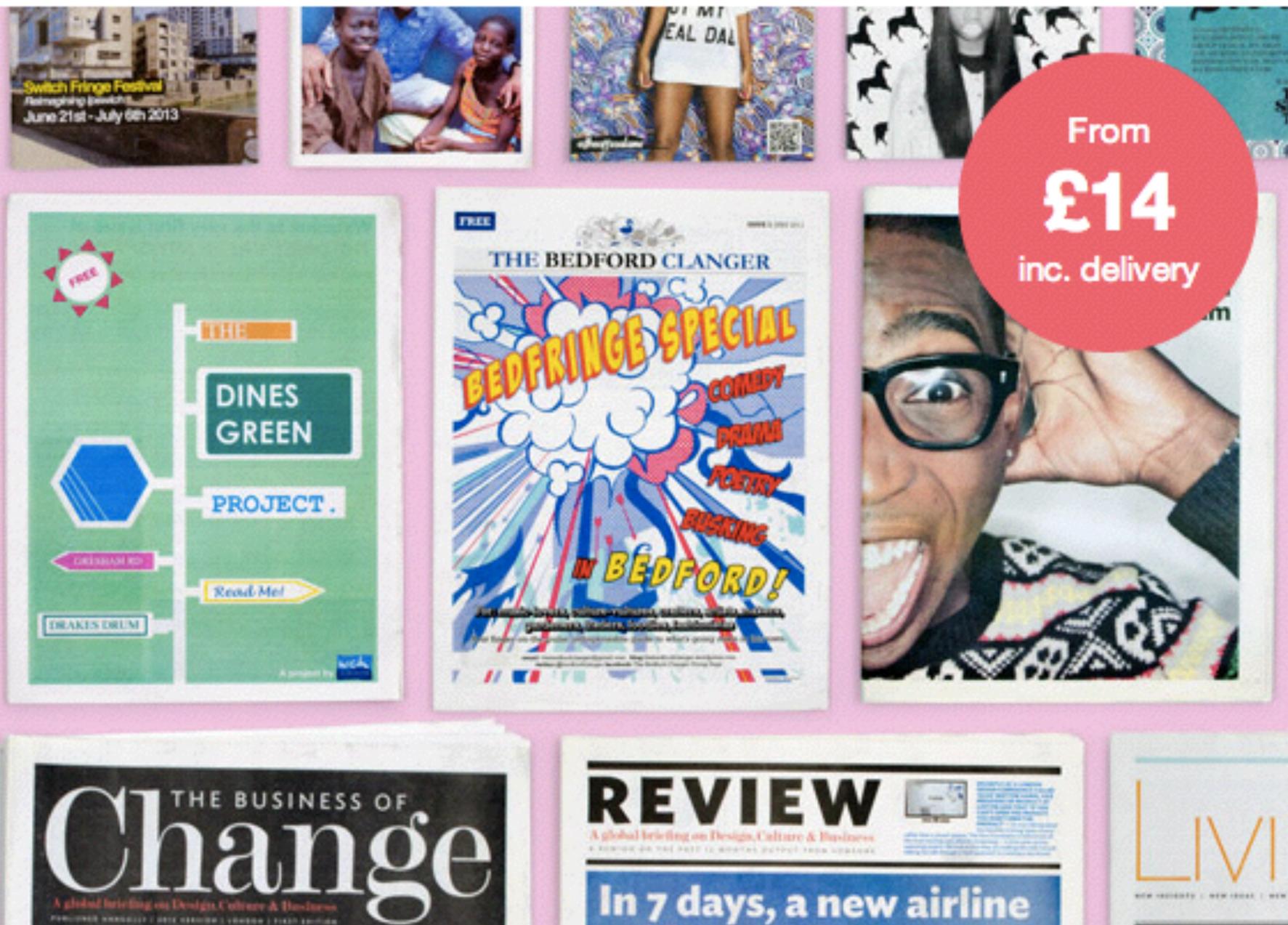
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JEWELLERY
WATCHES
WATCH BATTERIES
& REPAIRS

NO SMOKING
It is against the law to smoke in this Hospital and the grounds

DOCK AND ROLL
Hire a Brompton folding bike 24/7
£2.50 a day
bromptondock.co.uk

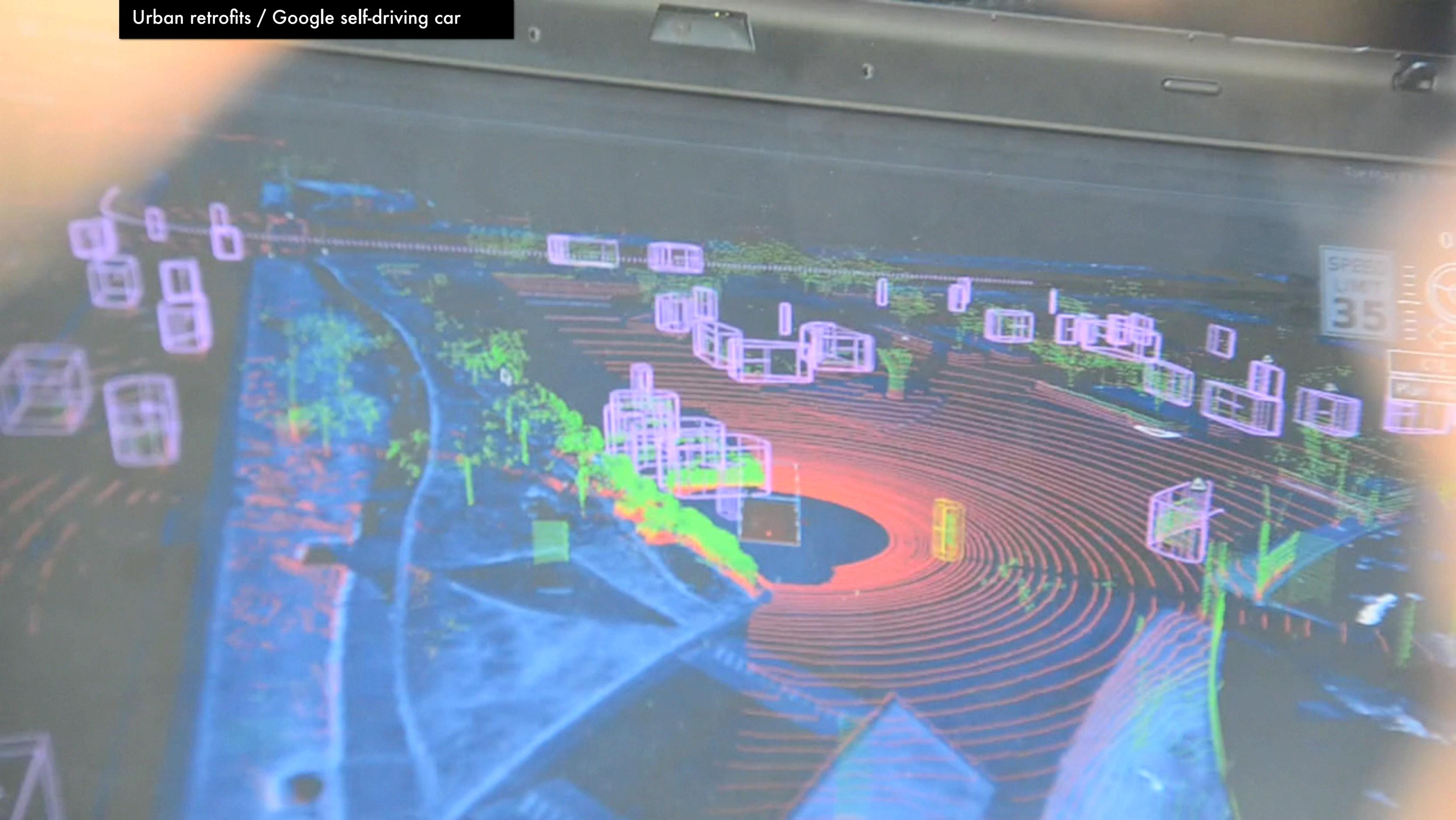
Whittington Health **NHS** **Brompton DOCK**

Fire assembly point

Urban retrofits / Google self-driving car

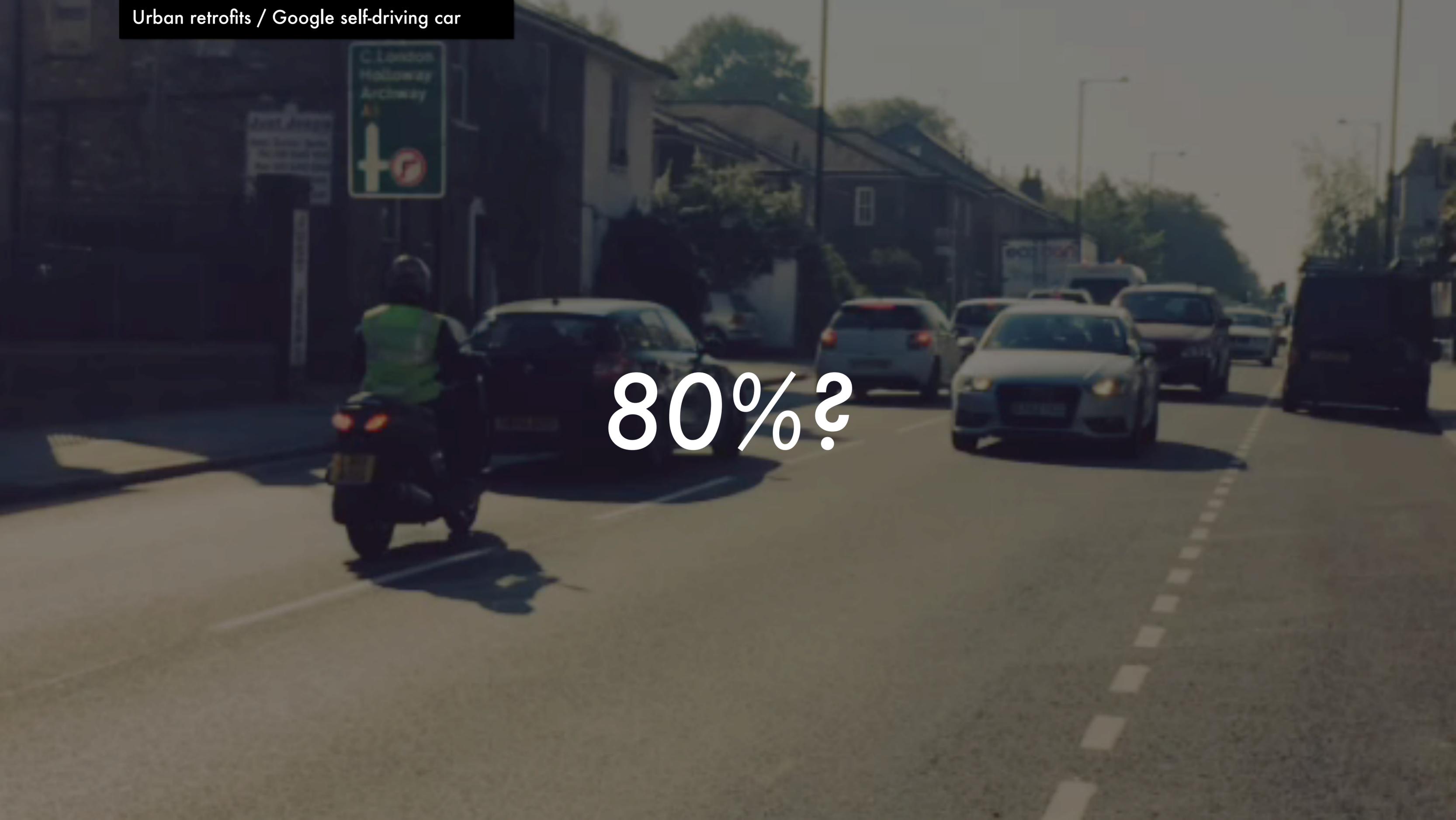


Urban retrofits / Google self-driving car





80%?



“But what is the question?”

Californian Ideology

vs

Civic space?



Catapult: City Unlocked, w/Microsoft &c



The background is a stylized city map with a color gradient from green on the left to yellow on the right. A dashed line path is overlaid on the map, starting from the bottom left and moving towards the top right. The text is centered over the map.

*Changing the city
without changing
the city*













KAHVIA

Oulu 2025
65% matkailusta
polkuopisto

GB Glace

**Governments now
have competition.
As platforms.**



Ravintolapäivä

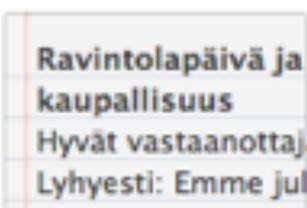
Community Page about Restaurant Day

✓ Liked

Message ⚙️

Seuraava Ravintolapäivä järjestetään sunnuntaina 17.02.2013.

Ravintolapäivä on karnevaali ravintola- ja ruokakulttuurin puolesta.
www.restaurantday.org/fi/



About

Photos

Likes

Notes 3

Highlights ▾

Post

Photo / Video

Write something...

25 Friends
Like Ravintolapäivä



Create Page

Sponsored

Create an advert

5 cibi ammazza grasso
bodybuilding.it



Scopri tutti i 5 sorprendenti frutti che tolgono grasso ai fianchi.

Come Fare 10000€ al Mese?
guadagnaresoldiconil...



Vuoi fare soldi? Ecco come guadagno 350 € al giorno da casa. Inizia ora!

Commit Consultants -...



Dubai / Abu Dhabi Company Incorporation. Free Zones, Offshore Companies, Brances & LLCs.

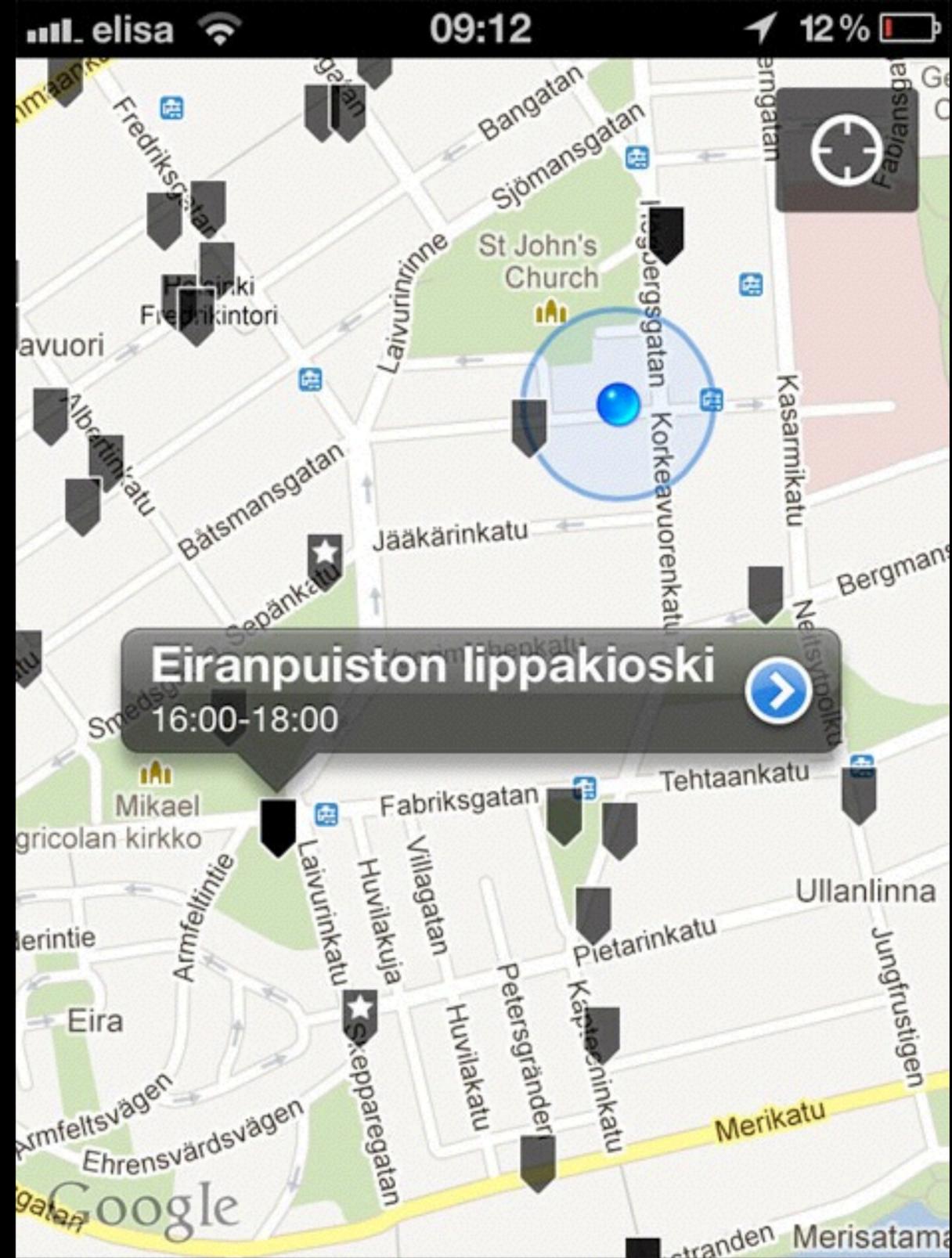
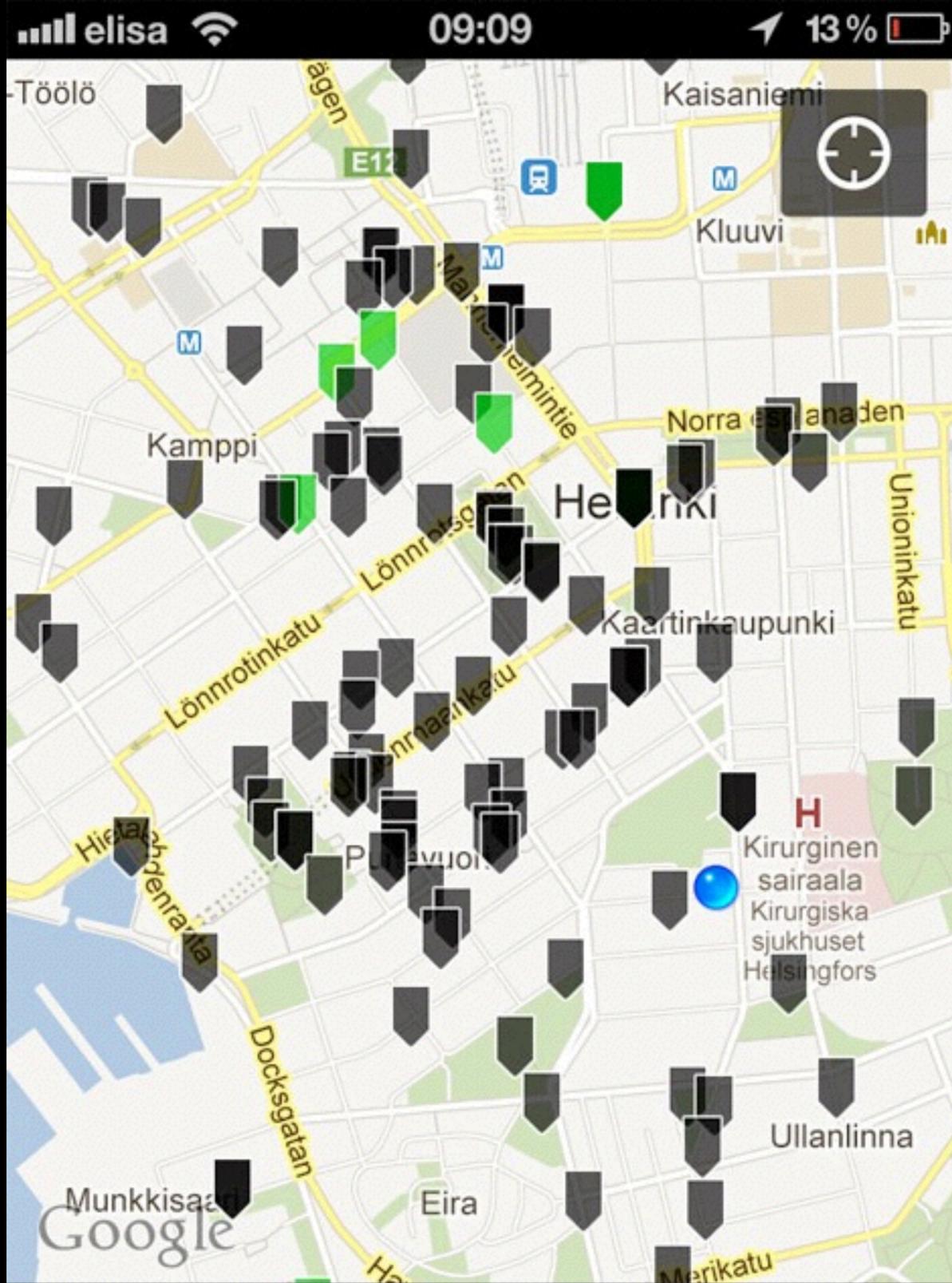
Like - 2,874 people like
Commit Consultants - Incorporation Specialists, UAE

Now

December

2012

Joined Facebook



How Will the Helsinki of Your Wishes Come True?

Future of motoring

Your answer in brief - one theme at the time (60 characters left)

Please elaborate your thinking (1500 characters left)



Kuntalaisten kiinnostus ja tyytyväisyys Helsingin kaupungin toimintaan ja päätöksentekoon



1 Kuinka kiinnostunut olette Helsingin kaupungin toiminnasta ja päätöksenteosta?

2 Saatteko mielestänne riittävästi tietoa seuraavista Helsingin kaupungin toimintaan ja päätöksentekoon liittyvistä asioista?

Valmisteltavana olevat asiat

Tehdyt päätökset

Tavat, joilla kuntalainen voi osallistua ja vaikuttaa päätöksentekoon

Helsingin kaupungin talous

Kunnalliset palvelut

3 Seuraatteko Helsingin kaupungin toimintaa ja päätöksentekoa seuraavista tietolähteistä?

	Aktiivisesti	Usein	Harvoin	En lainkaan
1 Sanomalehdistä	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2 Asuinalueen tiedotuslehdistä tai muista ilmaisjakelulehtistä	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3 Helsingin kaupungin omasta tiedotuslehdestä ja muista kotiin jaettavista kaupungin tiedotteista	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4 Helsingin kaupungin www-sivuilta	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5 Osallistumalla Helsingin kaupungin järjestämiin tilaisuuksiin	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6 Yhdistysten/järjestöjen/foorumien tilaisuuksista tai www-sivuilta	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7 Puolueiden tilaisuuksista tai www-sivuilta	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8 Radiosta	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9 Televisiosta	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
10 Internetistä	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
11 Muulla tavoin, miten? <input type="text"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Helsingin ajankohtaisten asioiden seuraamisessa minulle tärkein tietolähde näistä on: (vaihtoehdon numero)



“If you can book a flight online with a few clicks and cut through all the associated regulations... then anything is possible [online].”
Martha Lane Fox

**“Minister, we’re going
to build gov.uk the way
Amazon builds
Amazon.”**

A photograph showing a yellow building with a counter in the foreground. In the middle ground, there is a fenced-in field where several people are playing. In the background, a large, ornate red brick building is visible. The text "The day after Restaurant Day" is overlaid in white, underlined font.

The day after
Restaurant Day

Popups pop down.

We still need
strong institutions.
Just totally
redesigned.

+Pool, Kickstarted pool, New York 2012



Make good things happen in your neighbourhood ^x

1/ [Start your project & build support](#) 2/ [Fund a project](#) 3/ [Volunteer your time](#) 4/ [Share your experience](#)

Brickstarter is an open platform for community projects. You can use it to kickstart and coordinate your idea, get the community behind it, find professional help and advice, and gain financial backing from others.

BACK THIS PROJECT



The Stables

33% FUNDED €27 432 PLEDGED 3 DAYS TO GO

» A co-working space, café, shop and community garden in what is currently a parking garage «

NEW PROJECT



Cloud City

NEW PROJECT! HELP SHAPE THIS PROJECT 60 DAYS

» A sustainable block and public space built on top of Merikortelli «

BACK THIS PROJECT



Jätkäsaari windmill

89% FUNDED €117 312 PLEDGED 23 DAYS TO GO

» A community-owned wind turbine on the tip of Jätkäsaari «

BACK THIS PROJECT



BACK THIS PROJECT



NEW PROJECT



Baana Bike

» A co-working space, café, shop and community garden in what is currently a parking garage «



Uusikioski

43% FUNDED €1 432 PLEDGED 17 DAYS TO GO

» We will grow herbs on the roof and vegetables in the square behind, and serve you fresh, local produce with a smile «



Open Courtyard

82% FUNDED €1,238 PLEDGED 12 DAYS TO GO

» A community garden and social space in an Ullanlinna courtyard that is currently cars «

» A sustainable block and public space built on top of Merikortelli «



Aaltogrotto

62% FUNDED €27,931 PLEDGED 9 DAYS TO GO

» A co-working space in the disused Aalto-designed stairs on Mannerheimintie «



Tower of Power

12% FUNDED €834 PLEDGED 59 DAYS TO GO

» PV cells on the roof power the coffee shop on the ground floor «

» A community-owned wind turbine on the tip of Jätkäsaari «



Baana Bike Repair

98% FUNDED €9,942 PLEDGED 52 DAYS TO GO

» Infrastructure for Baana cyclists «



Punkaharju wind farm

62% FUNDED €18 634 PLEDGED 39 DAYS TO GO

» A community-owned wind farm of four turbines for the east Punkaharju area «

[Load more projects](#) -OR- [Start your project](#)

Find projects near you

Keyword or place

SEARCH

PROJECTS CURRENTLY IN PROGRESS



People to get you started

COORDINATORS

BECOME A

ENG

BRICKSTARTER [Start a project](#) [Find a project](#) [About this site](#) [Join/Sign in](#)

[Overview](#) [Pitch](#) [Get involved](#) [Backers](#) [Details](#)

CURRENTLY

€22,145
Target €30,000 /
24 days left

BACK THIS PROJECT

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](#)  

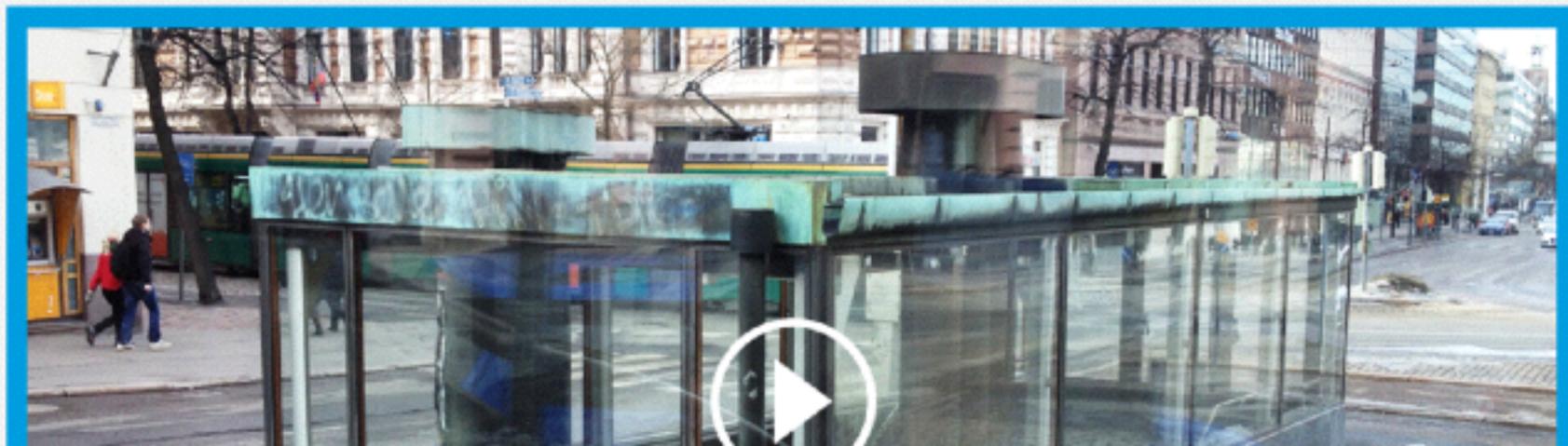
BADGES EARNED


 MUNICIPALITY APPROVED


 PRO BONO PRO USER


 RENEWABLE ENERGY


 SUGGEST A BADGE



BADGES EARNED



MUNICIPALITY APPROVED



PRO BONO PRO USER



RENEWABLE ENERGY



SUGGEST A BADGE



Aaltogrotto

» There are no co-working spaces in central Helsinki, which is absurd in a city of 1.3 million people. There are however plenty of disused spaces, including entirely unique spaces like this, the entrance to a tunnel by the legendary Finnish architect . . . «



Get involved



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. Pledge between €5 and €10,000.

Currently €22,145

Target €30,000



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.



Like 4 Tweet 131 +1 0 Share 163

Project backers

COORDINATORS



[Johanna Karjalainen](#)



[Robert Bringhurst](#)



[Hannele Timonen](#)



INVESTORS



[Anna Raittu](#)



[Johanna Kuittinen](#)



[Saku Toimisto](#)



[Kalle Sandberg](#)



[Juha Klinge](#)



[ALONG WITH 138 MORE](#)

VOTERS



[Katrine Stenmark](#)



[Jukka Hirvonen](#)



[Timo Häppölä](#)



[Jyrki Myerson](#)



[Sarah Turner](#)



[ALONG WITH 2017 MORE](#)

VOLUNTEERS



[Tuula Soininen](#)



[Gabriel Marquez](#)



[Eeva Engeström](#)



[Anne Mikoleit](#)



COUNCILLOR



» I am very happy to support this project. Here's why «





[Johanna Karjalainen](#)

[Robert Bringhurst](#)

[Hannele Timonen](#)



INVESTORS



[Anna Raittu](#)

[Johanna Kuittinen](#)

[Saku Toimisto](#)

[Kalle Sandberg](#)

[Juha Klinge](#)

ALONG WITH 138 MORE



VOTERS



[Katrine Stenmark](#)

[Jukka Hirvonen](#)

[Timo Häppölä](#)

[Jyrki Myerson](#)

[Sarah Turner](#)

ALONG WITH 2017 MORE



VOLUNTEERS



[Tuula Soininen](#)

[Gabriel Marquez](#)

[Eeva Engeström](#)

[Anne Mikoleit](#)



COUNCILLOR



[Mayor Pekka Pulli](#)

» I am very happy to support this project. Here's why «



Project details





Mayor Pekka Pulli

Project details



PROJECT DECISIONS

CURRENTLY

TIMELINE

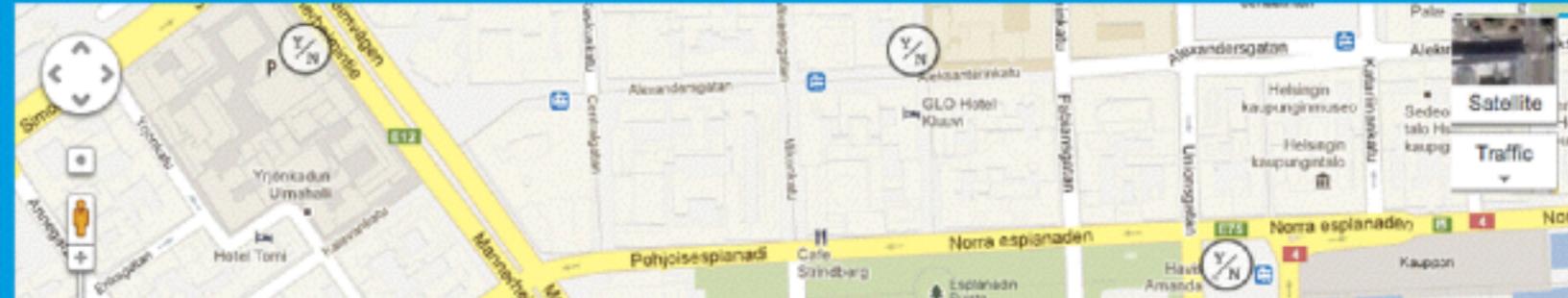


- MATCHING**
Start spreading the news, test the idea in public & listen hard...
- INTRODUCING**
Build a network, find some funding, and say hello to town hall...
- PROVING**
Get your story straight and make the case, via legal & technical advice
- PERMITTING**
Get the paperwork signed and sealed, stay on the right side of the law...
- BUILDING**
Everything is in place—time to make it happen!
- LIVING**
That new thing you just made happen won't run itself...

PERMITS

PERMIT RATING ●●●●●	RATE THIS PERMIT ●●●●●	PERMIT RATING ●●●●●
View tips for this permit	Share your experience	View tips for this permit

PROJECT LOCATION





Items to Submit:
Initial Application Form
Initial Site Plan and Photos
Concept Description
Letters Of Support

APPLICANT SUBMITS PARKLET PROPOSAL

INITIAL REVIEW BY MTA, DPW, PLANNING

PROPOSAL SELECTED

PLANNING ISSUES PUBLIC NOTICE
{ displayed for 10 days }

DESIGN DEVELOPMENT WITH PLANNING BEGINS



APPLICANT SUBMITS CONSTRUCTION DOCUMENTATION
{ 6 month with possible 6 month extension }

REVIEW BY MTA, DPW, PLANNING

PROPOSAL REJECTED

NO APPEAL

OFFICER AGAINST

OBJECTIONS

DPW HOLDS PUBLIC HEARING

OFFICER SUPPORTS

APPLICANT APPEALS

OFFICER AGAINST

BOARD OF PERMIT APPEALS HOLDS PUBLIC HEARING

OFFICER SUPPORTS

PAVEMENT TO PARKS
PARKLET
Matic

APPLICANT SUBMITS FINAL APPLICATION PACKAGE TO PLANNING

APPLICANT PAYS PERMIT FEES TO DPW

MTA LEGISLATES PARKING CHANGES



REMEMBER TO: KEEP IT CLEAN. WATER THE PLANTS. RENEW IN ONE YEAR.

ENJOY PARKLET

PLANNING AND DPW POST-CONSTRUCTION ONSITE INSPECTION

APPLICANT BEGINS CONSTRUCTION



PLANNING AND DPW PRE-INSTALL ONSITE INSPECTION

APPLICANT NOTIFIES DPW 72 HOURS BEFORE CONSTRUCTION



BOARD OF PERMIT APPEALS HOLDS PUBLIC HEARING

SOMEONE APPEALS

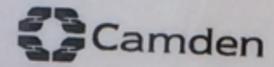
OFFICER AGAINST

OFFICER SUPPORTS

PERMIT GRANTED
{ 6 month with possible 6 month extension }



SAN FRANCISCO PLANNING DEPARTMENT



NOTICE OF RECEIPT OF A PLANNING APPLICATION
HOW DOES THIS AFFECT YOU?

Date of Notice: 9/5/14

Application reference number: 2014/2880/P
Associated application(s):

Address:
20 Guilford Street
London
WC1N 1DZ

Proposal:
Erection of single storey rear extension to create UK power network substation (UKPN) at ground floor level.

The Council has received the above application.

- You can see the application details and comment on them
- using our website www.camden.gov.uk/planningcomments
 - emailing us at planning@camden.gov.uk
 - writing to the Development Management Team, Town Hall extension, Argyle Street, London, WC1H 8ND

Please quote the above reference when you contact us.
We need to receive your comments within **21 days** of the date of this notice

We publish all comments received about planning applications on our website but we will not publish your email address, signature or telephone number. We will not acknowledge receipt of your comments but you can check them and others made by searching for the planning application reference at www.camden.gov.uk/planning

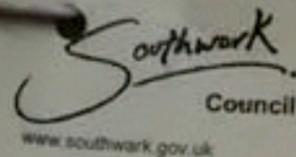
If you need more information please telephone
Contact Camden on 020 7974 4444







PUBLIC NOTICE



TOWN & COUNTRY PLANNING ACT 1990 (as amended)
An application has been received by the council for consent to carry out works at:

THE SHARD, 31 ST THOMAS STREET LONDON, SE1 9SP
The works consist of:

Change of use of part of the 17th floor to dual use D1 (education)/B1(offices) (1,129sqm)

If you wish to comment on the application you should do this in writing within 21 days of the date of this Notice giving the reference number **14/AP/0308**. Send them to me by email to planning.consultations@southwark.gov.uk (please ensure that you use this email address to avoid delay in your comments being taken into account) or by post to Southwark Council, Chief executive's department, Planning division, Development management, PO Box 84529, London SE1 5LX.

If you wish to discuss the application please contact the case officer Wing Lau on 020 7525 5729.

The council will determine this application taking into account relevant material planning considerations. These include the planning policies in the council's development plan (view this on the council's website) and the comments you make. The application, plans and other documents submitted with it can be seen on the planning applications register page of the council's website at www.southwark.gov.uk. You can use facilities at your local library or One Stop Shop to access the website.

Please note that objections or comments based on personal grounds, such as the sex or race of the applicant or effects on the value of your property, are not valid material planning considerations and will not be taken into account in deciding the application. Comments marked 'confidential' will not be considered by making the decision on the application.

Protecting your personal data Please note that for your comments to be taken into consideration they will be published on our website (at least in the form of a summary) and may be seen by the applicant and the public. If you include your name, signature, postal address, telephone number, email address or any other personal data in your comments, you will give us your consent to use this information with your comments. This will also be seen. Your comments may be published on our website and may be used for other purposes. If you do not wish your personal data to be published on our website, please contact the case officer by email or by post. Please ensure that you only provide your comments to the council and not to the applicant. Please ensure that you only provide your comments to the council and not to the applicant. Please ensure that you only provide your comments to the council and not to the applicant.



NOTICE OF RECEIPT OF A PLANNING APPLICATION
HOW DOES THIS AFFECT YOU?

Date of Notice: 20/01/2014
Application reference number: 2013/0119
Assessment recommendation: Approved

Address:
Apple Primary School
Tottenham Street
London
WC1A 9EA

Proposed:
Proposed installing vertical signage along the frontage of the school (see attached drawings) with perforated aluminium panels (A1) with one sheet display gate complete with perforated aluminium panels (A2)

The Council has received the above application. It is advised that you should refer to the following information:

- See the application and plans on our website

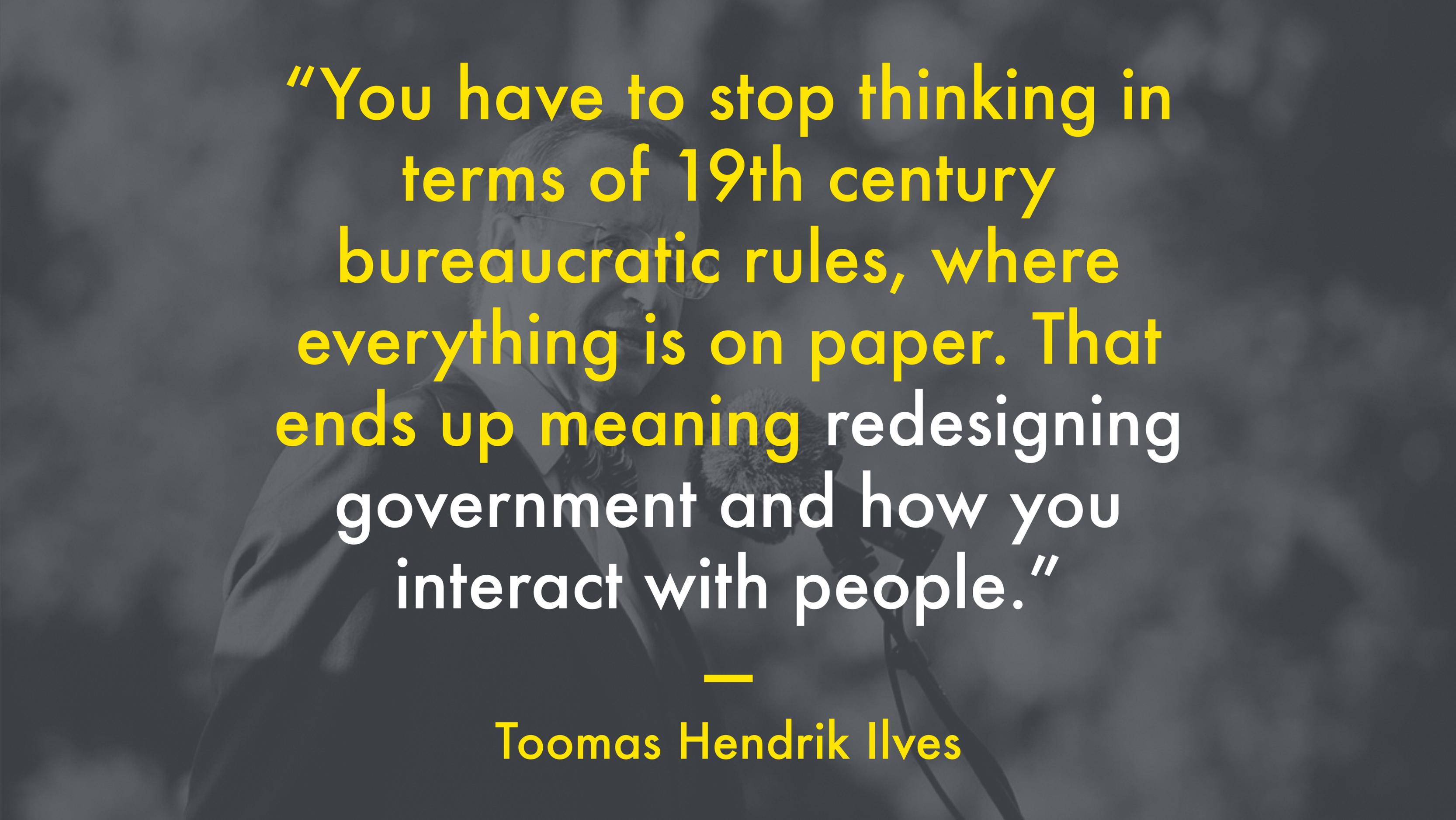
To make enquiries about the application:

1. To the Planning Department on 020 7556 5000
2. To the Planning Department on 020 7556 5000
3. To the Planning Department on 020 7556 5000
4. To the Planning Department on 020 7556 5000

If you need more information, please contact the Planning Department on 020 7556 5000

Is this the best we can do?



A man with glasses and a mustache, wearing a dark suit and tie, is speaking into a microphone. The background is a blurred crowd of people. The text is overlaid on the image in yellow and white.

“You have to stop thinking in terms of 19th century bureaucratic rules, where everything is on paper. That ends up meaning redesigning government and how you interact with people.”

—
Toomas Hendrik Ilves

Make good things happen in your neighbourhood

- 1/ [Start your project & build support](#)
- 2/ [Fund a project](#)
- 3/ [Volunteer your time](#)
- 4/ [Share your experience](#)

Brickstarter is an open platform for community projects. You can use it to kickstart and coordinate your idea, get the community behind it, find professional help and advice, and gain financial backing from others.

What does a 21st century social contract look like?



BACK THIS PROJECT

33% FUNDED | €27 432 PLEDGED | 3 DAYS TO GO

» A co-working space, cafe, shop and community garden in what is currently a parking garage «



NEW PROJECT

HELP SHARE THIS PROJECT | 6 DAYS TO GO

» A sustainable block and public space built on top of a former office building «



BACK THIS PROJECT

89% FUNDED | 117 312 PLEDGED | 23 DAYS TO GO

» A community-owned wind turbine on the tip of Jätkäsaari «



BACK THIS PROJECT



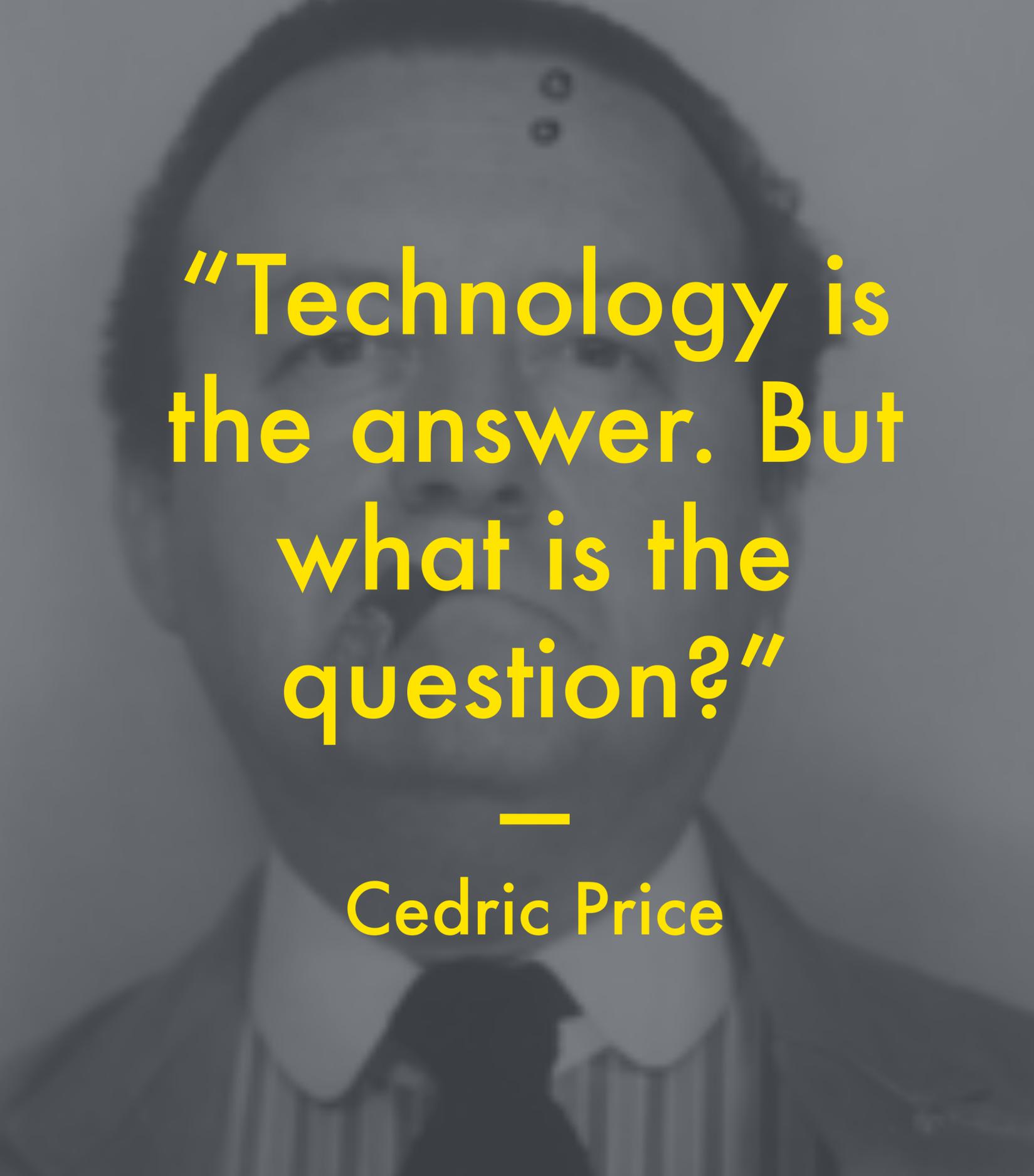
BACK THIS PROJECT



NEW PROJECT

Baana Bilet

?



**“Technology is
the answer. But
what is the
question?”**

**—
Cedric Price**



**“The best way
to predict the
future is to
design it.”**

**—
Buckminster Fuller**

*Have we
made clear
the value of
the future city
to its citizens?*

*And how do we
do that anyway?*

Citizen-centred design
of 21st century
products and services
forces the issue.

PLATFORMS

Data platforms and smart infrastructure

Led by Pete Reynolds

PLACES

Major urban developments

Led by Paula Hirst

PRODUCTS

Urban prototypes, urban futures

Led by Dan Hill

Design to ask questions.
Design beyond disciplines.
Design prototypes.
Design for participation.
Design for the street.
Design strategically.

Shared space, Hans Monderman, '60s—



**Beyond smart cities,
a new civic space?**

Thank you

Dan Hill

Executive Director of Futures
Future Cities Catapult

futurecities.catapult.org.uk

[@cityofsound](https://twitter.com/cityofsound) / cityofsound.com