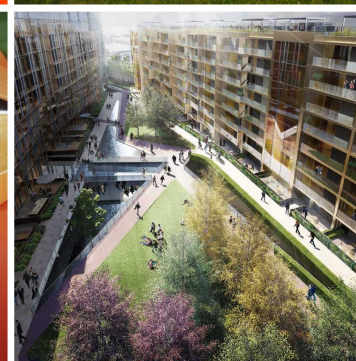
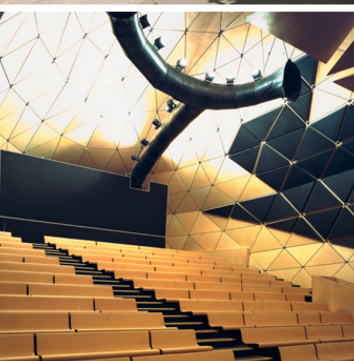
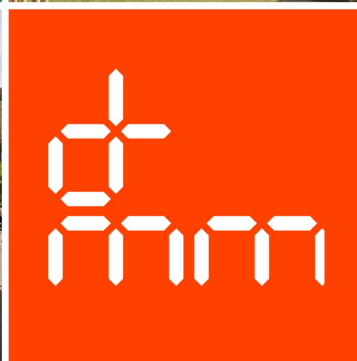


Aarhus symposium  
Prof. Sadie Morgan

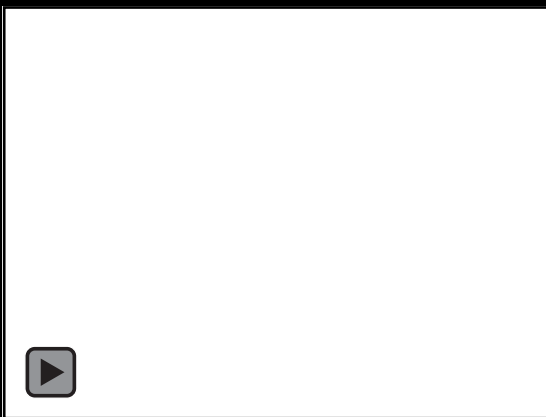
Great design  
can save  
the world!

 @dRMMArchitects





















VICTORY INFANT & JUNIOR SCHOOL

TRAFALGAR PLACE

HERSHAW STREET

CHATHAM STREET

SALPETER STREET

RODNEY ROAD

SITE PLAN



TRAFALGAR PLACE  
ELEPHANT & CASTLE REGENERATION









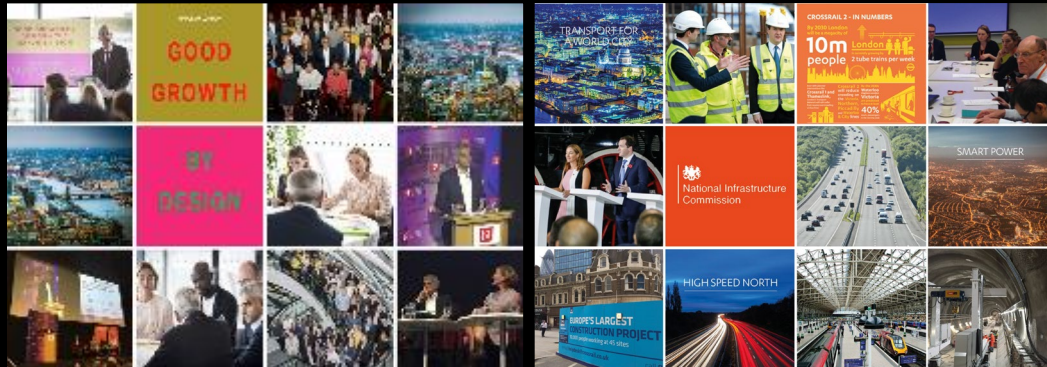








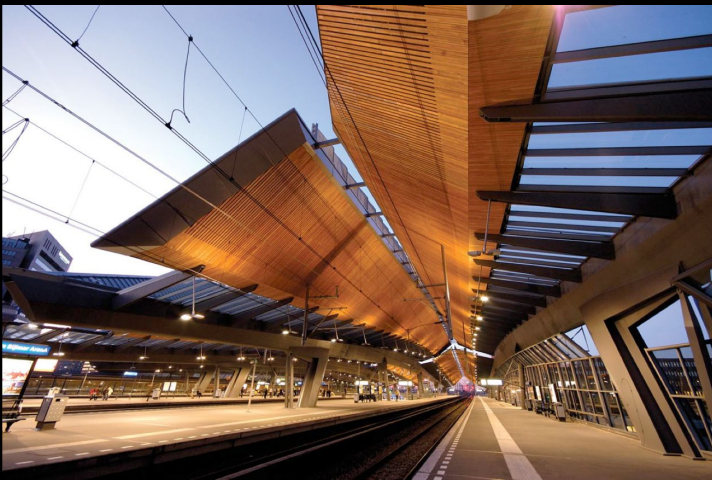




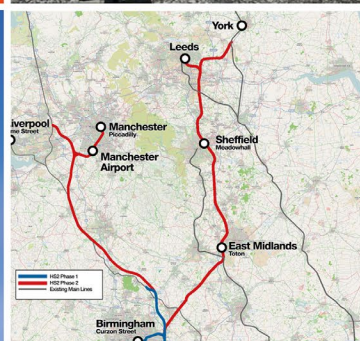
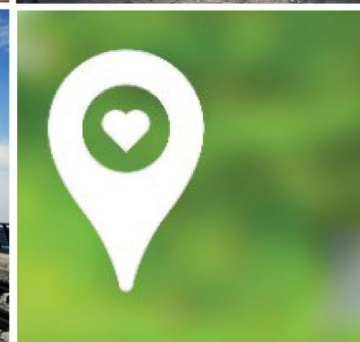
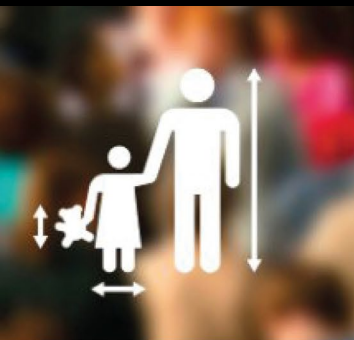












230km

TOTAL ROUTE LENGTH

146

UNDERBRIDGES

156

OVERBRIDGES

66

VIADUCTS

152

UNDERBRIDGES/  
CULVERTS

24km

RETAINING STRUCTURES

11

VENTILATION SHAFTS

8km

CUT AND COVER  
TUNNELS

53 km

TUNNELS

74 km

CUTTINGS

299

SATELLITE  
CONSTRUCTION  
COMPOUNDS

128mt

EXCAVATED MATERIAL





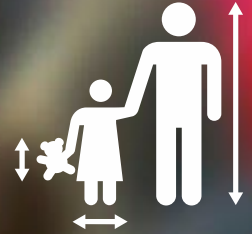
“  
**The Design Vision sets out the role that design can play in making High Speed Two a catalyst for growth across Britain. It sets out our aspiration for designing the UK’s new national high-speed rail network. Then it holds us to account with memorable criteria that we have developed with leading designers.**

Mark Thurston, CEO, HS2



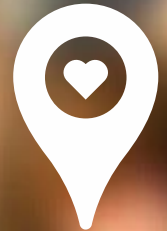
## People

Design for everyone to benefit and enjoy



## Place

Design to create a sense of place



## Time

Design to stand the test of time





## HS2 INDEPENDENT DESIGN PANEL

- Quarterly reports to the Department for Transport.
- Regular telephone catch ups with HS2 senior team.
- Meetings with the Director General & Secretary of State.



Over 300 people applied of the highest calibre from a wide range of disciplines

design management,  
procurement,  
engineering,  
Landscape,  
environment, planning,  
service design,  
product design,  
architecture,  
engineering,  
arts curation  
community engagement





## HS2 INDEPENDENT DESIGN PANEL

Impartial, Expert,  
Multidisciplinary,  
Timely, Advisory,  
Objective, Accessible,  
Open, Accountable



Mentoring 1 to 1  
Full design Panels  
Location specific panels





## HS2 INDEPENDENT DESIGN PANEL

Beyond the red line, HS2 Stations  
learning from abroad



*“The HS2 Independent Design Panel also has concerns about the constraints at Meadowhall, including the highways infrastructure, air quality, microclimate and station design challenges.”*

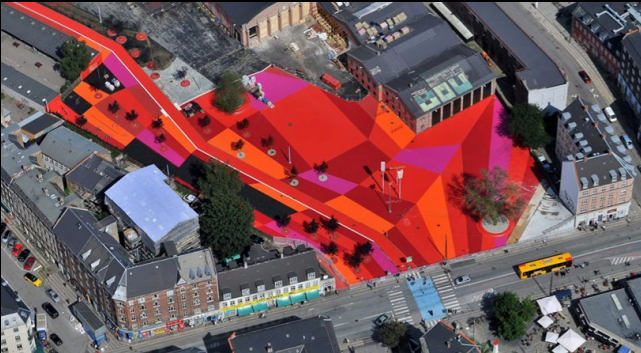
Procurement Civils/Stations





**HS2 INDEPENDENT  
DESIGN PANEL**

Prototype with a broad range  
of users



**HS2 Art Programme**

Use public art to deliver public  
value



**HS2** INDEPENDENT  
DESIGN PANEL



Colne Valley Viaduct specimen design





**HS2** INDEPENDENT  
DESIGN PANEL



Board level champion



**HS2 INDEPENDENT  
DESIGN PANEL**



Unlocking potential

## Panel Newsletter

February 2018

HS2 INDEPENDENT DESIGN PANEL



### Station design teams appointed for Phase One

Four design teams have been appointed to develop the station design for Phase One of the HS2 project. The teams are: **Arup**, **AMEC**, **AMEC Paragon**, and **AMEC Foster Wheeler**. The teams will work together to develop the station design for Phase One, which includes the London Euston to Birmingham section of the route. The teams will be responsible for developing the station design, including the architecture, structure, and services. The teams will also be responsible for developing the station design for Phase Two, which includes the Birmingham to Manchester section of the route. The teams will be working closely with the HS2 project team to ensure that the station design meets the project's requirements.

### Design panel activities February 2018

- |   |  |
|---|--|
| <p><b>1</b> Panel member nomination meeting</p> <p><b>1</b> Panel meeting</p> | <p><b>4</b> Full sessions</p> <p><b>2</b> Committee meetings</p> |
|---|--|

## Chair's Report Winter 2017 / 18

HS2 INDEPENDENT DESIGN PANEL

### Introduction by Professor Sadiq Khan

The High Speed Rail (HS2) Independent Design Panel was established on 20 December 2017 to provide an independent view on the design of the HS2 project. The panel has been set up to provide an independent view on the design of the HS2 project, including the architecture, structure, and services. The panel will be working closely with the HS2 project team to ensure that the design meets the project's requirements.



### #1 Urban integration

The panel has highlighted the need for HS2 to be well integrated with its surroundings. The panel has identified key challenges in the design of the HS2 project, including the need to integrate the project with the surrounding urban environment. The panel has identified key challenges in the design of the HS2 project, including the need to integrate the project with the surrounding urban environment.

### #2 Community engagement

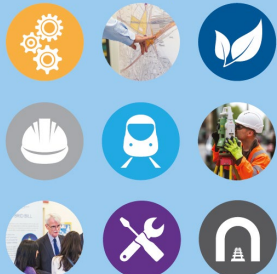
The panel has supported HS2 Ltd's design approach to engagement, and has identified key challenges in the design of the HS2 project. The panel has identified key challenges in the design of the HS2 project, including the need to engage with the local community. The panel has identified key challenges in the design of the HS2 project, including the need to engage with the local community.

### #3 Community benefits

The panel has supported HS2 Ltd's design approach to engagement, and has identified key challenges in the design of the HS2 project. The panel has identified key challenges in the design of the HS2 project, including the need to engage with the local community. The panel has identified key challenges in the design of the HS2 project, including the need to engage with the local community.

### #4 Procurement

The panel has supported HS2 Ltd's design approach to engagement, and has identified key challenges in the design of the HS2 project. The panel has identified key challenges in the design of the HS2 project, including the need to engage with the local community. The panel has identified key challenges in the design of the HS2 project, including the need to engage with the local community.



## HS2 INFORMATION EVENT

www.gov.uk/hs2



# HS2 INDEPENDENT DESIGN PANEL

Consultation and communication



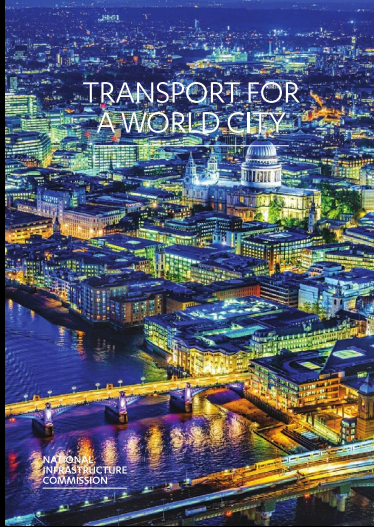
The NIC will provide an assessment of the UK's infrastructure needs every 5 years, looking 30 years ahead across key sectors of economic growth – including energy, roads, rail, transport, ports and airports, water supply, waste flood defences, digital and broadband.





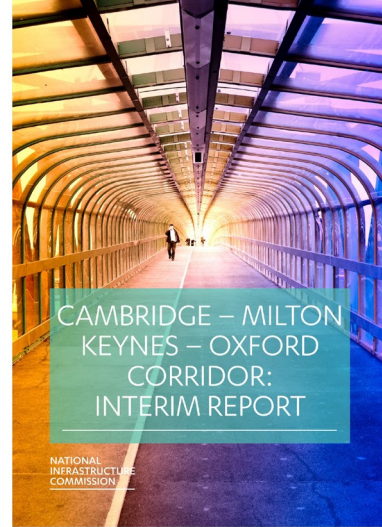
## CONNECTED FUTURE

NATIONAL  
INFRASTRUCTURE  
COMMISSION



## TRANSPORT FOR A WORLD CITY

NATIONAL  
INFRASTRUCTURE  
COMMISSION



## CAMBRIDGE – MILTON KEYNES – OXFORD CORRIDOR: INTERIM REPORT

NATIONAL  
INFRASTRUCTURE  
COMMISSION



## SMART POWER

NATIONAL  
INFRASTRUCTURE  
COMMISSION



## HIGH SPEED NORTH

NATIONAL  
INFRASTRUCTURE  
COMMISSION



## CONGESTION, CAPACITY, CARBON: PRIORITIES FOR NATIONAL INFRASTRUCTURE

Discussion on a national infrastructure investment

NATIONAL  
INFRASTRUCTURE  
COMMISSION



## PARTNERING FOR PROSPERITY:

### A new deal for the Cambridge-Milton Keynes-Oxford Arc



NATIONAL  
INFRASTRUCTURE  
COMMISSION

## Foreword

The Cambridge-Milton Keynes-Oxford arc contains some of our most productive and innovative places, delivering growth and prosperity for the whole country.

But the continued success of these places is not guaranteed. Without swift and determined action to overcome the area's housing crisis, it will fall behind its international competitors and fail to attract and retain the talent and skills it needs.

The change needed is not insurmountable. This report outlines a new deal between central government and the local areas. Commitment to providing new strategic infrastructure must be matched with ambition and commitment at a local level to deliver major housing growth and create places in which people want, and can afford, to live and work.

The proposed East West Rail and Expressway schemes must be built as quickly as possible to unlock land for new homes and provide a better service for those who already live across the arc. They must also be futureproofed with the capacity to expand. Local areas must work collaboratively to make the most of these new opportunities, thinking more boldly than before, both now and in the long-term.

Our placemaking competition has demonstrated that there is an abundance of creative, industry-led ideas for how the arc can accommodate transformational housing and employment growth in a way that enhances quality of life while respecting the environment and interests of existing residents.

The Commission is grateful to all who have supported this study over the past 18 months, including Government, local areas, and a wide range of other private and public stakeholders. The commitment and drive of local areas to see their places succeed has been inspiring throughout – local leaders must now commit to working collectively, and in the national interest, to secure this success.



Andrew Adonis  
Chair, National Infrastructure  
Commission

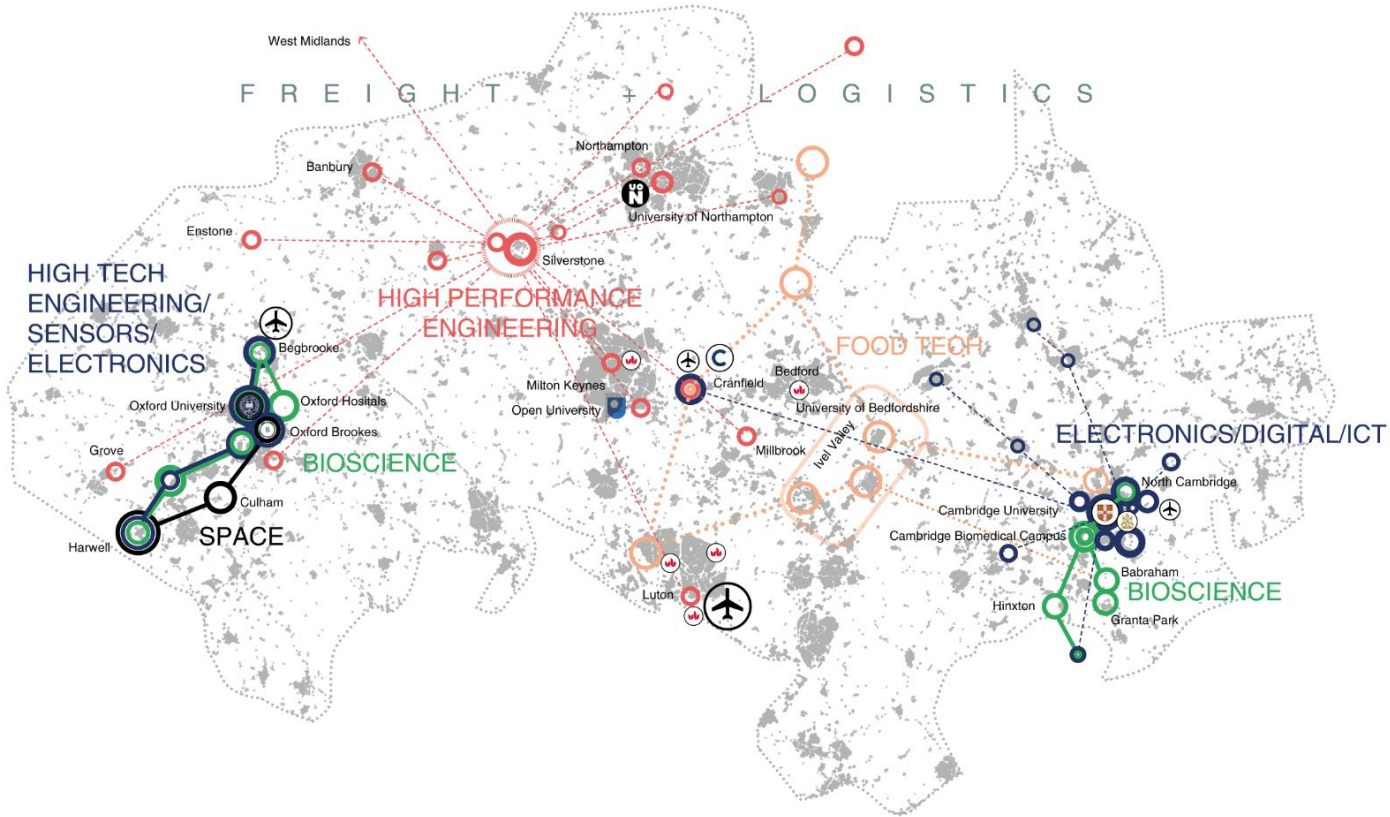


Sadie Morgan  
Commissioner, National  
Infrastructure Commission



Bridget Roswell  
Commissioner, National  
Infrastructure Commission





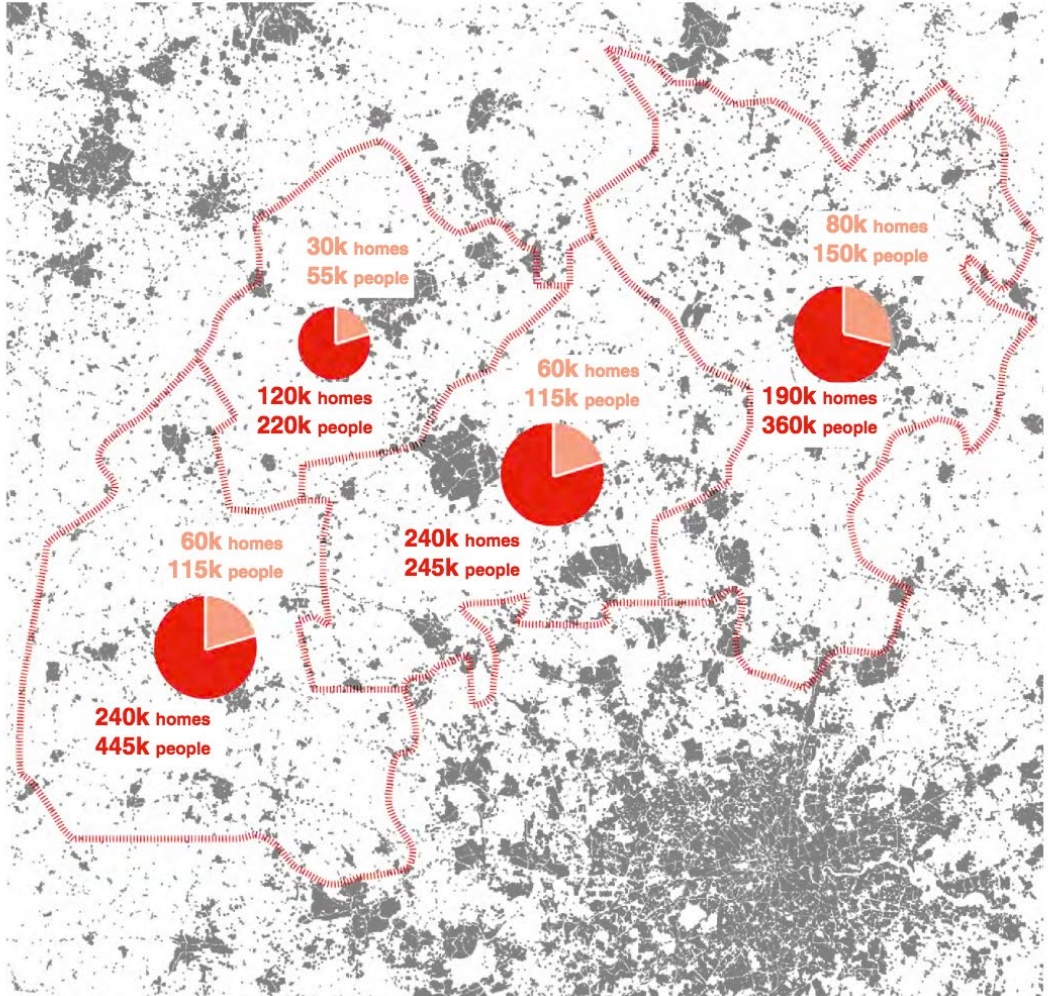
# Transformational Scenario to 2050

New areas of settlement at a scale of **3500 people / km<sup>2</sup>** with approximate totals.

**In the pipeline**



**Additional required to 2050**



## BEST PRACTICE EXAMPLES



Rieselfeld, Freiburg



Euraille, Lille



King's Cross, London



Zuidas, Amsterdam



Southern Fringe, Cambridge



Vathorst, Hooglanderveen





**1.1 million  
new jobs  
by 2050**

**GVA of £265  
billion per  
year by 2050**



**1 million  
new homes  
by 2050**

**Up to 1.9  
million new  
people**





Cambridge



Bedford



Milton Keynes



Oxford



31 MAY 2018 |  
GROWTH ARC

## New exhibition will give Growth Arc residents a chance to see ideas for the area's future development

Residents of Cambridgeshire, Bedfordshire, Northamptonshire, Buckinghamshire, Milton Keynes and Oxfordshire will have the chance to see the ideas put forward for...



04 JULY 2018 |  
GROWTH ARC

## Exhibition opens to showcase ideas for developing the Growth Arc

A new exhibition opens today, showcasing the range of ideas put forward to transform the Arc which spans Cambridge, Milton Keynes...



02 JULY 2018 |  
GROWTH ARC

## New report highlights significant potential to boost cycling in Cambridge and Oxford

New protected bike lanes are urgently needed to stop Oxford and Cambridge "seizing up", a new report written for the National...



## Finalists in Cambridge-to-Oxford growth corridor competition revealed

Facebook Twitter LinkedIn YouTube Instagram

100% 100% 100% 100% 100%

Finalists from Architecture and Planning are among four teams selected to develop a strategic plan for the Cambridge-to-Oxford growth corridor.

Finalists from Architecture and Planning are among four teams selected to develop a strategic plan for the Cambridge-to-Oxford growth corridor.

The project is led by the government's National Infrastructure Planning Unit (NIPU), and aims to develop a strategic plan for the Cambridge-to-Oxford growth corridor.

The project is led by the government's National Infrastructure Planning Unit (NIPU), and aims to develop a strategic plan for the Cambridge-to-Oxford growth corridor.

The project is led by the government's National Infrastructure Planning Unit (NIPU), and aims to develop a strategic plan for the Cambridge-to-Oxford growth corridor.





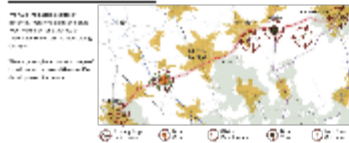


## 2. A New Living Campus

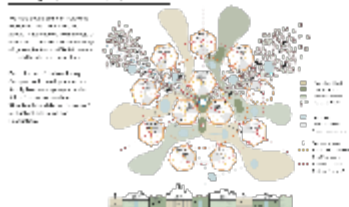
### Visita, Flanaganlag, Infrastuctura

El plan de visita del campus se basa en el modelo de campus de visita que se ha desarrollado en el campus de visita de Flanaganlag, que se ha desarrollado en el campus de visita de Flanaganlag.

Plan de visita del campus de visita de Flanaganlag



Plan de visita del campus de visita de Flanaganlag



Plan de visita del campus de visita de Flanaganlag



Mae

UNIVERSITAT DE VALÈNCIA



Plan de visita del campus de visita de Flanaganlag



Plan de visita del campus de visita de Flanaganlag

## SCALABILITY AND DELIVERABILITY

### POTENTIAL DELIVERY SEQUENCE

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100



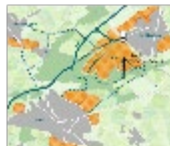
2022

Phase 1: Initial site preparation and infrastructure. This includes clearing, grading, and laying out the basic road network and utility lines. The focus is on establishing the foundation for the development.



2023

Phase 2: Construction of the main building structure. This involves the foundation, walls, and roof of the primary structure, along with the installation of major mechanical and electrical systems.



2024

Phase 3: Final construction and landscaping. This includes the completion of the building's exterior, interior finishing, and the installation of landscaping, paving, and final site amenities.



### EXPERIENCE THROUGH TIME

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

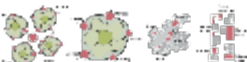




### The Big Back Garden

It's a large back garden, a green oasis for a busy city. The Big Back Garden is a new green space in the heart of the city, providing a place for people to relax and enjoy the outdoors. It features a large lawn, a playground, and a variety of trees and plants. The garden is a great place for families to spend time together and for people to enjoy the fresh air and sunshine.

More than 100 trees are planted.



#### Key Features

- 100+ trees planted
- 500m² lawn
- 100m² playground
- 100m² garden beds
- 100m² seating area
- 100m² water feature

#### Facilities

- 100m² seating area
- 100m² water feature
- 100m² garden beds
- 100m² lawn
- 100m² playground
- 100m² trees

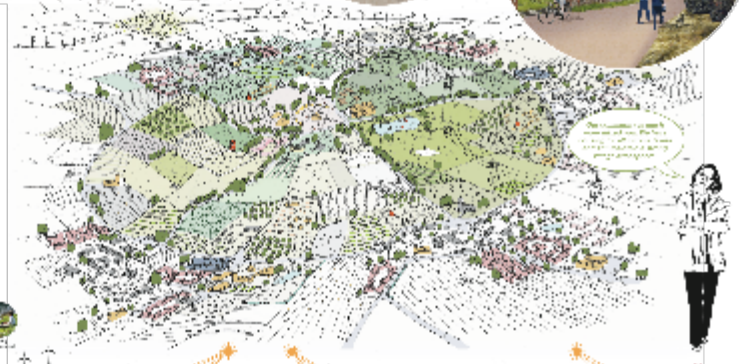
#### Open Spaces

- 100m² seating area
- 100m² water feature
- 100m² garden beds
- 100m² lawn
- 100m² playground
- 100m² trees



### Light Touch Living

Light Touch Living is a new way of living that combines the best of both worlds. It offers a modern, minimalist lifestyle with a focus on quality and sustainability. The homes are designed to be energy-efficient and eco-friendly, with a focus on natural light and ventilation. The community is a mix of young professionals and families, all looking for a high-quality, sustainable living environment.



The development is a mix of young professionals and families, all looking for a high-quality, sustainable living environment.

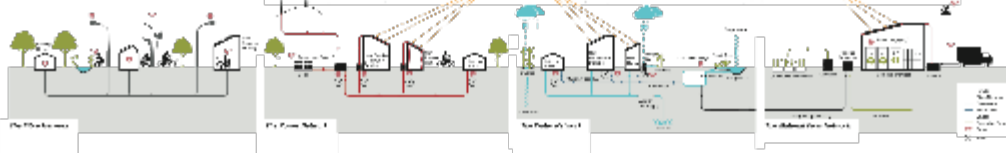


FIGURE 3: Aerial view of the development showing the layout of the buildings, green spaces, and infrastructure.



## Hammond backs 1m new homes for 'brain belt'

Government aims to boost economy around Oxford and Cambridge science hubs

News | Rowan | in London | OCTOBER 29, 2018



Philip Hammond has today unveiled a contentious scheme to build up to 1 million new homes around the Oxford-Cambridge arc, in a bid to boost the region's economy and create jobs.

**Autumn Budget far from a non-event as Oxford-Cambridge Arc wins millions**

...mission, the  
budget  
...050.  
...d Milton  
...yers in the  
...ers and

# Sadie Morgan to chair infrastructure design panel

28 FEBRUARY, 2018 • BY GREG FITCHER



dRMM director Sadie Morgan is to chair a new design panel at the National Infrastructure Commission

GOVERNMENT ENSURING THAT ALL NATIONALLY SIGNIFICANT INFRASTRUCTURE PROJECTS INCLUDING THOSE AUTHORISED THROUGH HYBRID PARLIMENTARY BILLS, HAVE BOARD LEVEL DESIGN CHAMPION AND USE A DESIGN PANEL TO MAXIMISE THE VALUE PROVIDED BY THE INFRASTRCTURE

DESIGN PANELS FOR NATIONALLY SIGNIFICANT INFRASTRUCTURE PROJECTS HAVING REGARD TO DESIGN PRINCIPLES TO BE PUBLISHED BY THE NATIONAL INFRASTRUCTURE COMMISSION BASED ON ADVICE RECEIVED FROM THE NATIONAL INFRASTRUCTURE DESIGN GROUP



National Infrastructure  
Commission



# Young architects sought for National Infrastructure Commission panel

4 DECEMBER, 2017 • BY CLIA DEAN/PAO



3 COMMENTS



MOST POPULAR



The National Infrastructure Commission has announced plans for a Young Professionals Panel, made up of young architects, designers and planners



National Infrastructure  
Commission

“Morgan is in a powerful position to promote the value of design to the highest level of government. She is currently in the early stages of setting up a Quality of Life Foundation to encourage developers to prioritise wellbeing in their projects”

*Sadie Morgan honoured with AJ100  
Contribution to the Profession*  
Pamela Buxton, Architects' Journal



**QUALITY  
OF LIFE**  
FOUNDATION

NOW IS AS GOOD A  
TIME AS ANY

