

“GREAT DESIGN  
CAN SAVE THE  
WORLD!”

DESIGN THINKING IS CHALLENGING  
BUT THE PATH OF LEAST RESISTANCE  
LEADS TO COMPROMISE  
& A WISHY-WASHY RAILWAY

SADIE  
MORGAN

LET DESIGNERS  
HELP!

ALL RESPONSIBLE  
ALL ACCOUNTABLE  
ALL HAVING

ONE OF  
500 ASSETS  
WE NEED  
TO BUILD  
(in Tier 2)

WE ARE LITERALLY  
& FIGURATIVELY  
TRANSFORMING  
THE  
LANDSCAPE



The co-founder of dRMM, Sadie Morgan, has been appointed to lead a panel overseeing all the design on the HS2 rail link.

**NEWS FROM SADIE MORGAN HEADS UP NEW HS2 DESIGN REVIEW PANEL**

Morgan will head up the independent group which will look into every design aspect of the £42.8 billion infrastructure project between London and Birmingham.

Speaking about her appointment, a 'delighted' Morgan said: "From website to way finding, ticketing to trains – the remit of the design panel will be all encompassing."

"As the single biggest infrastructure project the UK has ever undertaken, HS2 will touch the lives of millions of people."

"Great design is integral to making sure that HS2 achieves its full potential, from the beginning to the end of the journey. This includes not only landscape and station design but the entire passenger experience."

### UK government is starting to take design seriously, says Sadie Morgan



Anna Winston | 19 November 2015 | [Leave a comment](#)

The British government is beginning to understand that design makes a difference in major infrastructure schemes, says architect Sadie Morgan, who is advising on £300 billion of investment in UK rail and energy projects ([see interview](#)).

Morgan, co-founder of London architecture firm dRMM, effectively became one of the most powerful figures in British architecture last month when she was named as the only creative on the government's National Infrastructure Commission. The group will advise the government on £100 billion of investment over the next five years.

This quickly followed her appointment to chair the design panel for HS2, a high-speed rail link that is the UK's biggest infrastructure project.

"I would like to see it as a clear message that they're starting to take design seriously," she told Dezeen. "I definitely think the government is getting it."

"The focus on design within HS2 is really positive. The people involved believe deeply in their design vision," she said. "And I think government is beginning to recognise that actually it makes a difference."

### Sadie Morgan to fight for design in £100 billion UK infrastructure review



Anna Winston | 30 October 2015 | [1 comment](#)

Architect Sadie Morgan of dRMM has vowed to put design at the heart of a £100 billion revamp of UK infrastructure, after being named as a member of a government commission that will advise on how the money should be spent.

Morgan, 46, is the only architect on the UK's National Infrastructure Commission, which will make recommendations for £300 billion of government investment.

She was named a member of the high-profile commission this morning by UK chancellor George Osborne.

"The experience of our buildings and places speaks to our national identity, they say something about who we are and what we are good at," said Morgan at the launch event at the National Railway Museum in York.

"The value of design cannot be underestimated, but we need to get it right from start to finish, from procurement to delivery," she added.

### UK needs infrastructure spending to succeed after Brexit, says Sadie Morgan



Marcus Fairs | 14 July 2016 | [1 comment](#)

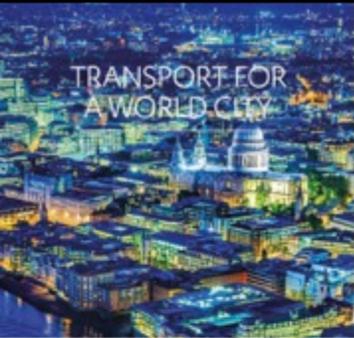
Brexit crisis: architect and government adviser Sadie Morgan has called on the UK government to stick to its infrastructure investment plans as it prepares to leave the European Union.

Her call comes amid fears that costly spending on railways, roads and airports could be axed as a result of the EU referendum vote.

"We need to be making long-term commitments to give certainty for the construction industry and lower risk for investors," she told Dezeen.

Morgan, who sits on the government's National Infrastructure Commission and chairs the design panel overseeing the proposed HS2 high-speed rail link, said it was vital the UK pushed ahead with spending plans to "create the world class infrastructure this country needs to succeed".





### CROSSRAIL 2 - IN NUMBERS

By 2030 London will be a megacity of **10m** people

↑ London

2 tube trains per week

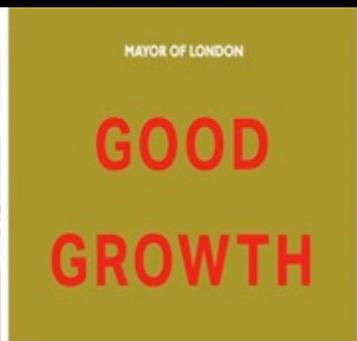
Crossrail 1 and Thameslink will reduce crowding on the Victoria, Northern, Piccadilly and Waterloo & City lines

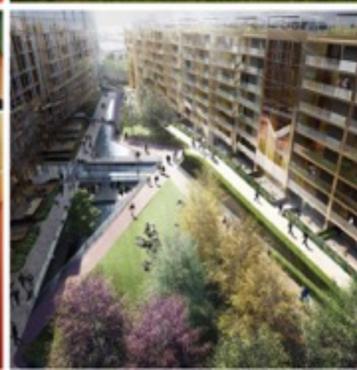
In the 2030s Waterloo Victoria will increase its services by **40%**



National Infrastructure Commission













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

# Mission

To develop and deliver an over-arching design vision that drives design excellence in every aspect of HS2 to achieve its social, economic and environmental potential

HS2 INDEPENDENT  
DESIGN PANEL

# HS2 INDEPENDENT DESIGN PANEL

## 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.

Requirement from Hybrid Bill



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

## HS2 INDEPENDENT DESIGN PANEL

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

### HS2 Design Vision

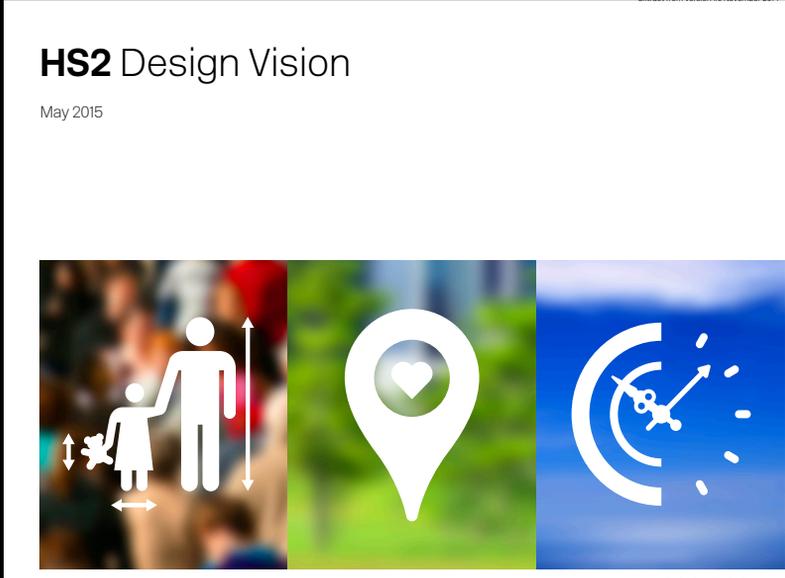
May 2015



The Design Panel's advice will adhere to the following principles

**HS2 INDEPENDENT DESIGN PANEL**

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



# Types of Panel

## HS2 INDEPENDENT DESIGN PANEL

Mentoring 1 to 1

Full design Panels

Location specific panels

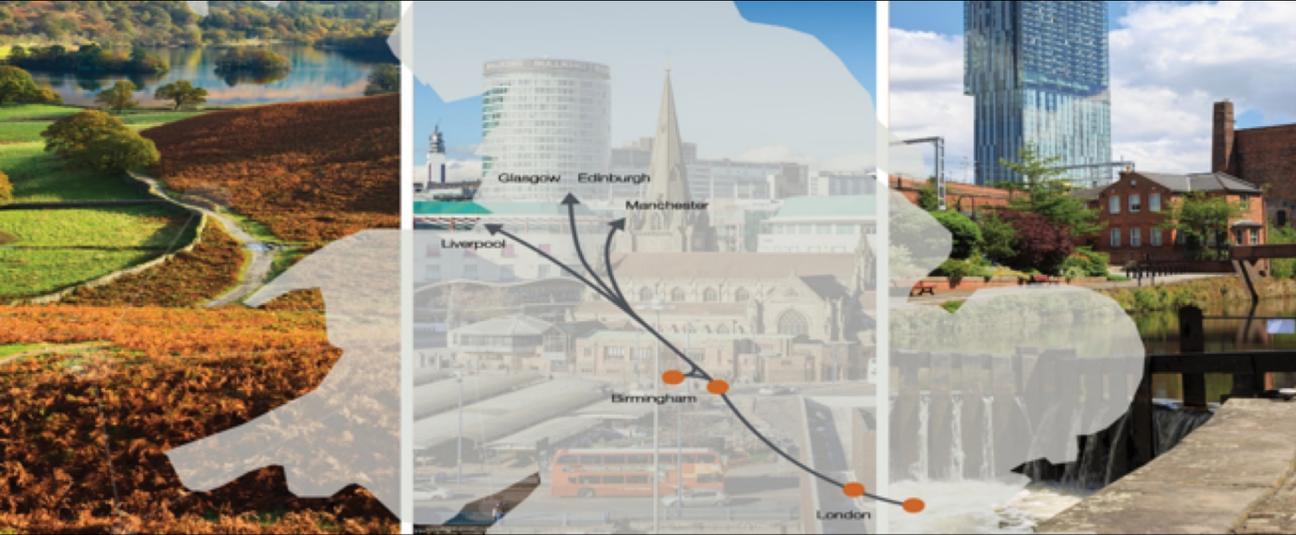
Venue to suit the project



# Chair's top lessons learned

# Procurement

# HS2 INDEPENDENT DESIGN PANEL



A new West Coast Partnership franchise will be awarded in 2019 to run WCML and HS2

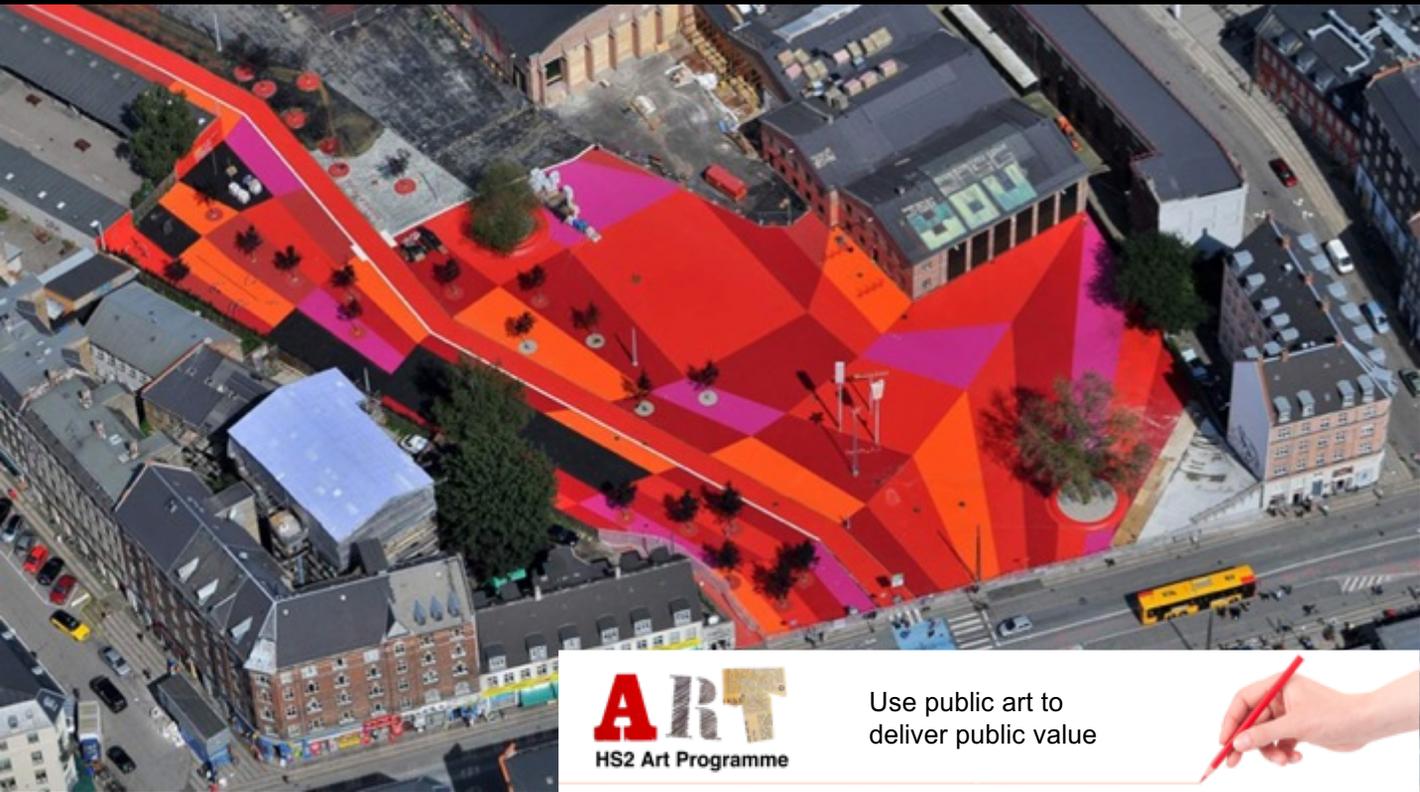
Urban regeneration beyond the **red line**  
and learning from abroad

**HS2** INDEPENDENT  
DESIGN PANEL



Inclusion of public art

HS2 INDEPENDENT  
DESIGN PANEL



**ART**  
HS2 Art Programme

Use public art to  
deliver public value



# Community engagement/ education

# HS2 INDEPENDENT DESIGN PANEL



Communication e.g. specimen designs

**HS2** INDEPENDENT  
DESIGN PANEL



# Customer experience, prototyping

## HS2 INDEPENDENT DESIGN PANEL



View from train

**HS2** INDEPENDENT  
DESIGN PANEL



Board level design champion

**HS2 INDEPENDENT  
DESIGN PANEL**



# Station designs revealed

**HS2 INDEPENDENT  
DESIGN PANEL**



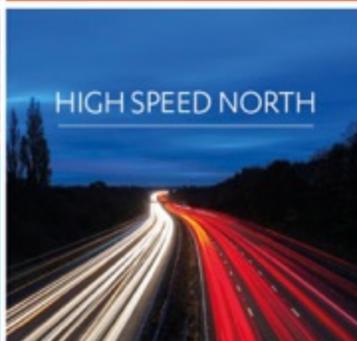
# Station designs revealed

**HS2 INDEPENDENT  
DESIGN PANEL**



**“Good design must also be at  
the heart of tomorrow’s  
infrastructure”**





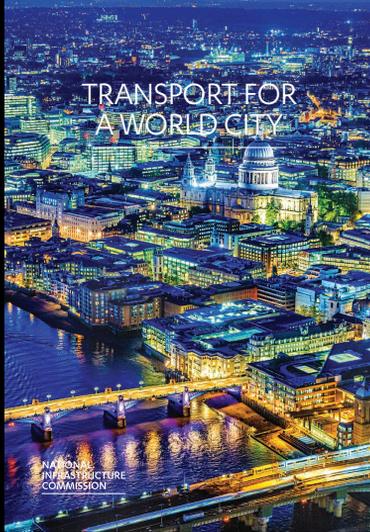
The NIC will provide an assessment of the UK's infrastructure needs every 5 years, looking 30 years ahead across key sectors of economic growth – including energy, roads, rail, transport, ports and airports, water supply, waste flood defences, digital and broadband.





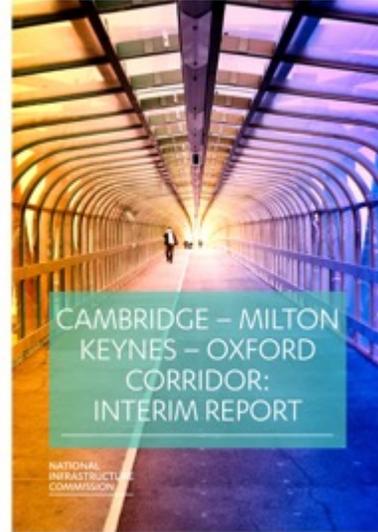
## CONNECTED FUTURE

NATIONAL  
INFRASTRUCTURE  
COMMISSION



## TRANSPORT FOR A WORLD CITY

NATIONAL  
INFRASTRUCTURE  
COMMISSION



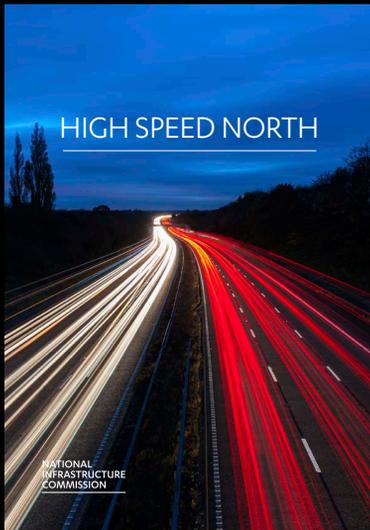
## CAMBRIDGE - MILTON KEYNES - OXFORD CORRIDOR: INTERIM REPORT

NATIONAL  
INFRASTRUCTURE  
COMMISSION



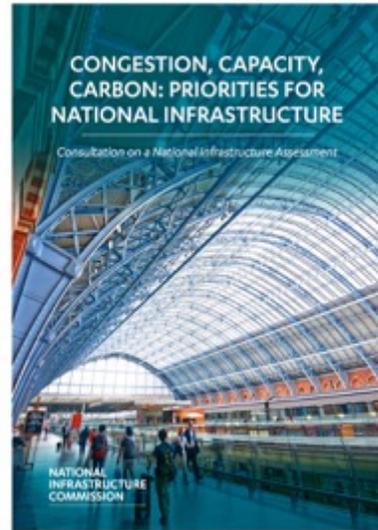
## SMART POWER

NATIONAL  
INFRASTRUCTURE  
COMMISSION



## HIGH SPEED NORTH

NATIONAL  
INFRASTRUCTURE  
COMMISSION



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

Consultation on a National Infrastructure Assessment

NATIONAL  
INFRASTRUCTURE  
COMMISSION

# Sadie Morgan to chair infrastructure design panel

28 FEBRUARY, 2018 • BY GREG PITCHER

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



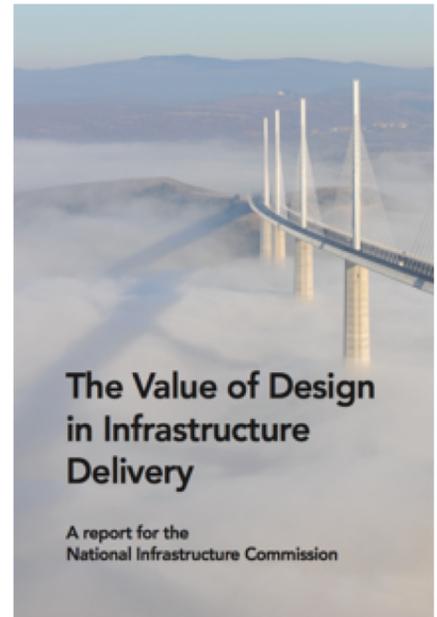
National Infrastructure  
Commission

**Design and Infrastructure –  
Sector Review of Attitudes**

Publica

**Developing Design  
Principles for National  
Infrastructure**

Publica



National Infrastructure  
Commission

The Design Task Force's early analysis identified four perceived barriers to quality infrastructure design:

**A lack of champions in the way projects are governed**



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**A lacuna in design knowledge among those running national infrastructure projects**



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**A failure to embed design in the day to day working practices of those responsible for programme delivery**



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A lack of champions in the way projects are governed

A lacuna in design knowledge among those running national infrastructure projects

A failure to embed design in the day to day working practices of those responsible for programme delivery

**A deep seated perception that good design adds cost and poses risk to delivering projects on time and on budget**



# Choosing and designing infrastructure

National Infrastructure Assessment

## Making better decisions to deliver high quality infrastructure

For government and relevant industries to take decisive action on their infrastructure projects, they need to have confidence that their decision making is as good as possible. Long term decisions inevitably carry risk, but these risks need to be taken, and uncertainty managed as much as possible. Decision making can be improved through robust analysis of the performance of existing infrastructure and recognising the value of good design in infrastructure.

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The commission recommends that design should be embedded into the culture of infrastructure planning, to save money, reduce risk, add value, support environmental net gain and create a legacy that looks good and works well, by:

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 COMMISION BASED ON ADVICE RECEIVED FROM THE NATIONAL INFRASTRUCTURE DESIGN GROUP



# Young architects sought for National Infrastructure Commission panel

4 DECEMBER, 2017 • BY ELLA BRAIDWOOD



3 COMMENTS



MOST POPUL



National Infrastructure  
Commission

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

**NOW IS AS GOOD A  
TIME AS ANY**

