Colin Elliff BSc CEng MICE Civil Engineering Principal High Speed UK

What's it for?

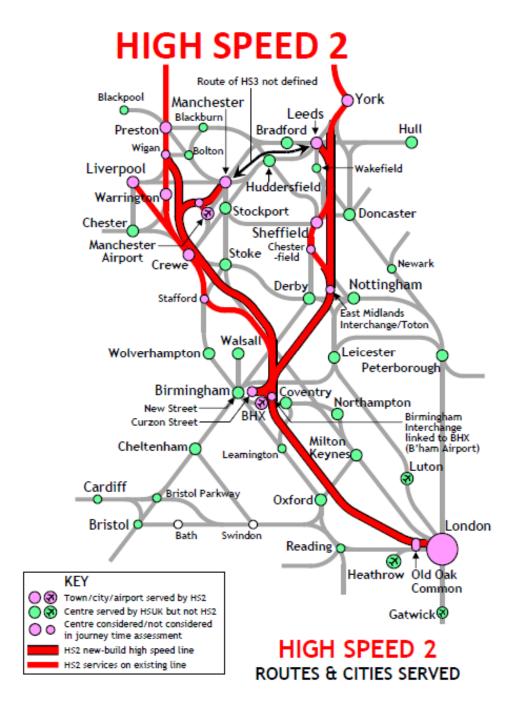
Does it work for the East Midlands?

HS2 Mission Statement

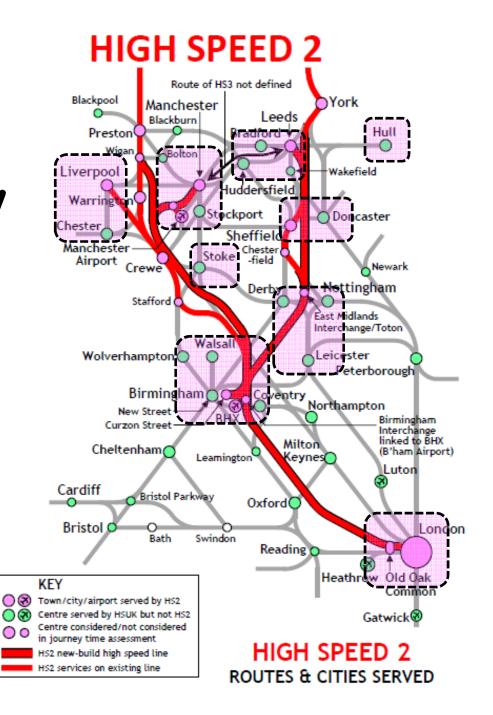
"The aim of the HS2 project is to deliver hugely enhanced capacity and connectivity between our major conurbations."

Evidence by Andrew McNaughton (HS2 Ltd Technical Director) to House of Commons HS2 Select Committee on 30/11/2015

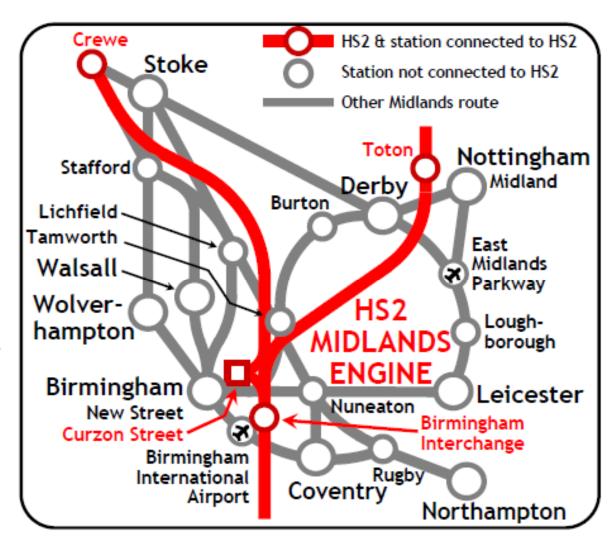
Does HS2 deliver?



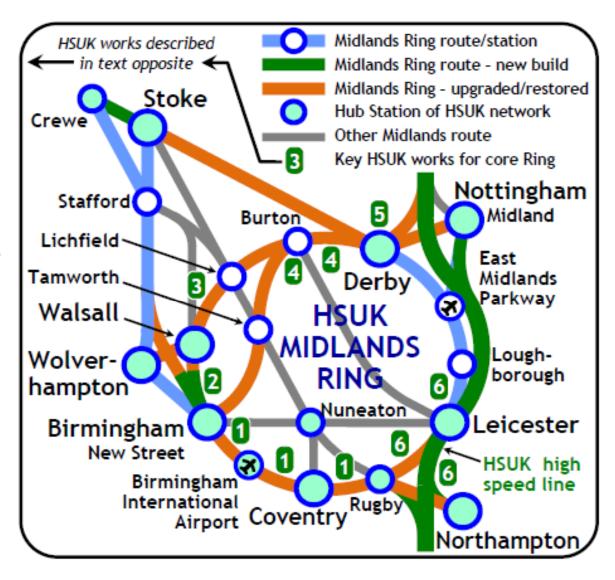
Does HS2 deliver "hugely enhanced capacity & connectivity" between the UK's major conurbations?



Will HS2 start the Midlands Engine?



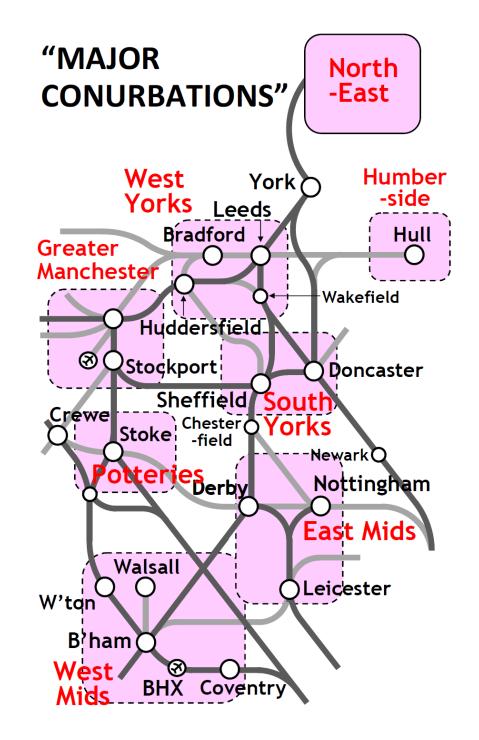
Might a
Midlands
Ring
work
better?



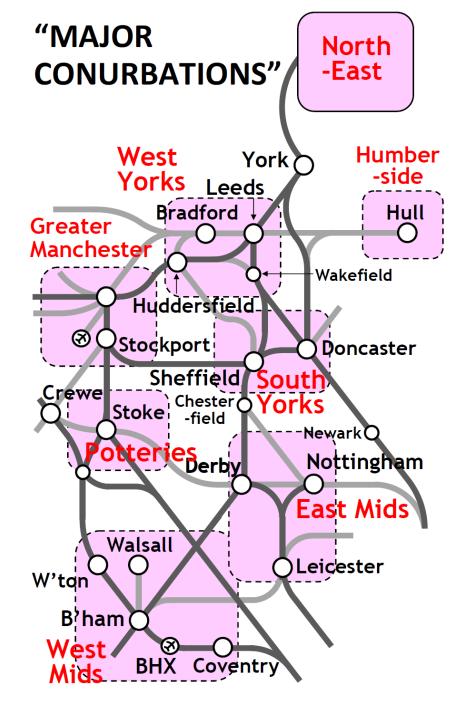
HS2 Ph.2 route fixed by HS2 Ph.1

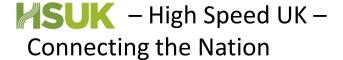


Looking closer at regions served by Phase 2 of **HS2...**

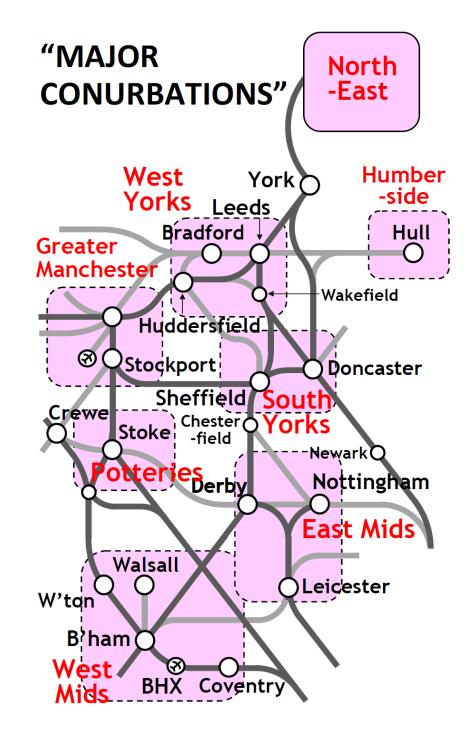


Ambitions for "Midlands Engine" & "Northern Powerhouse"

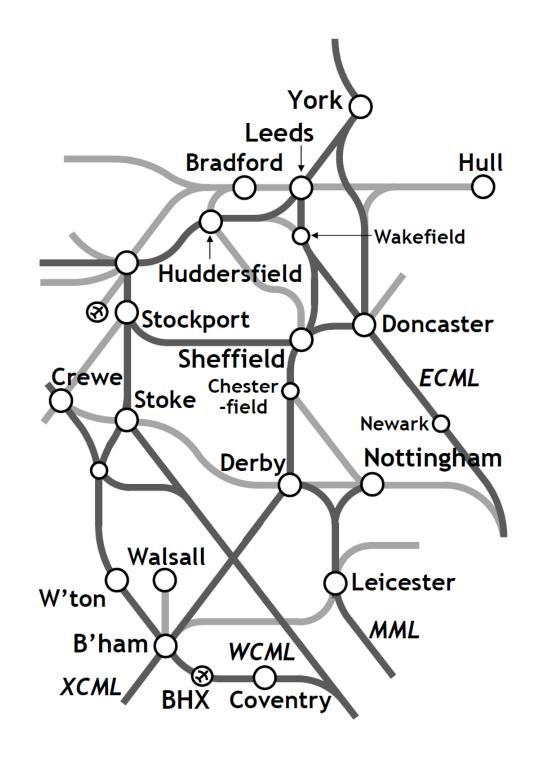


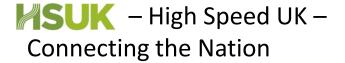


All major conurbations & all major cities need to be interconnected

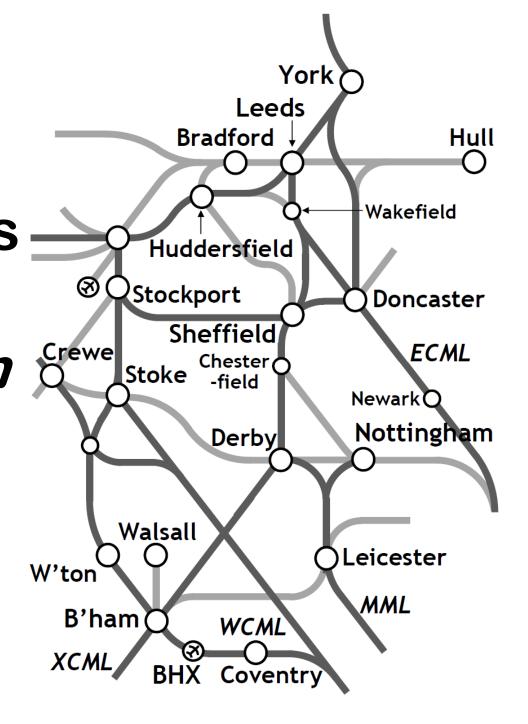


Improved network vital to connect regional cities





Impossible to build new lines everywhere full integration with existing rail system is essential



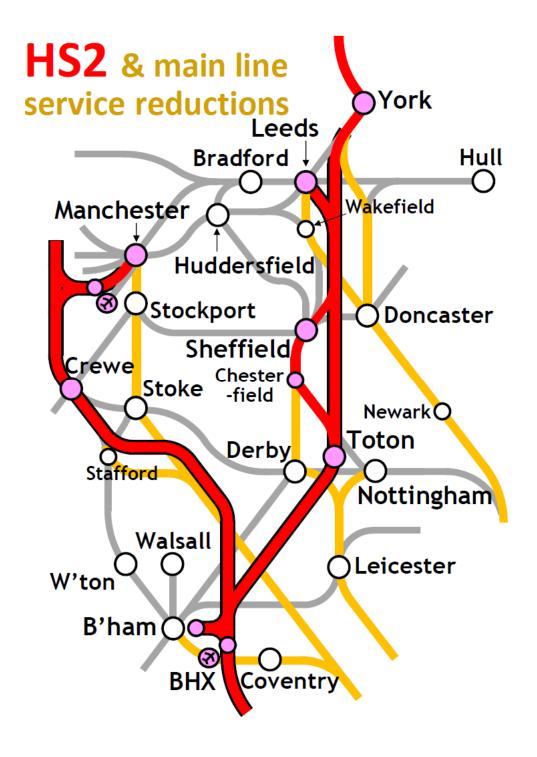
HS2 fails to link most Midlands cities

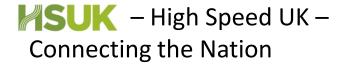


HS2 lacks capacity to serve most **Midlands** cities



HS2
damages
existing
main line
services





HS2 connectivity 'gains'

HSUK timetable assessment based on 496 possible journeys between 32 towns, cities & airports

Candidate scheme: HS2

	Derby	Nottingham	Leicester	Coventry
Average journey time reductions	2 %	10%	6 %	9%
Cities directly linked	0	0	0	0
Journeys made faster	4	9	5	9
Journeys made worse	12	1	12	5

HS2 cannot start the "Midlands Engine"



HS2: Mission Fail

Within the Midlands, HS2 fails utterly to deliver "hugely enhanced capacity and connectivity" between our major conurbations.

The same is true for the rest of the country.

We need something else...

High speed rail needs to be designed differently if it is to provide worthwhile transport benefits for the UK regions.

Any pain from building new railways must be compensated by much greater community gain.

We deserve something better

People in Midlands communities are entitled to expect...

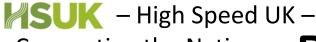
- Efficient HS intercity links to all other principal UK cities – not just London.
- Efficient local links to HS services.
- Greater capacity for improved local services and more local stations.

INSUK – High Speed UK –

Connecting the Nation

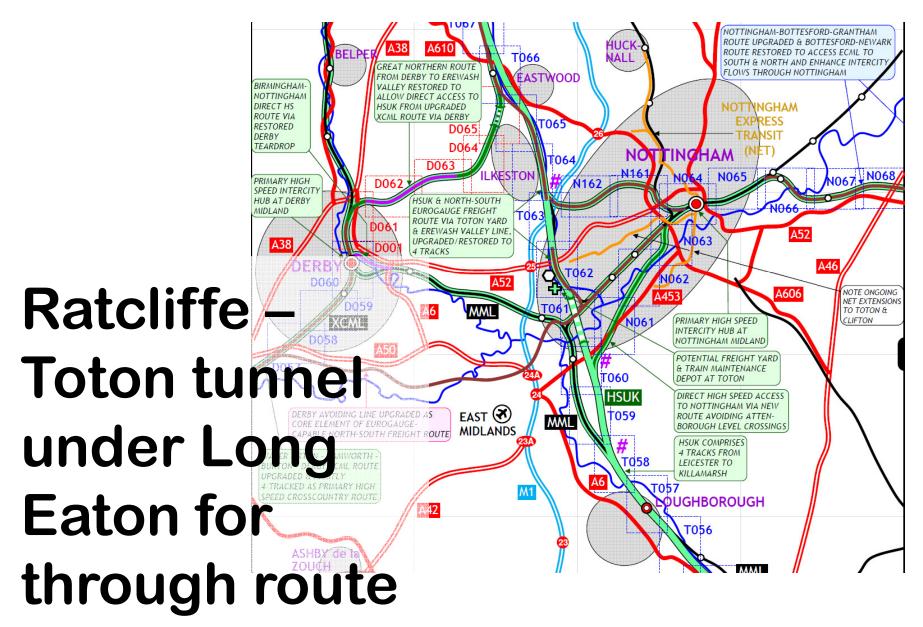
Derby/Nottingham integration



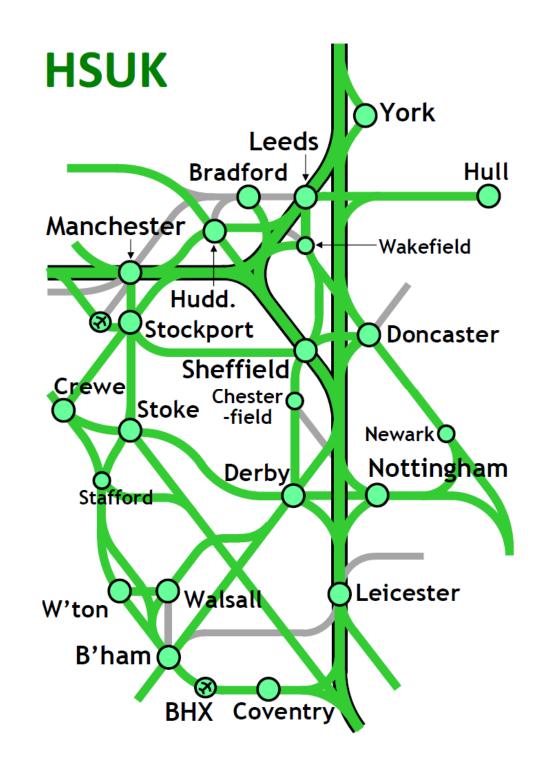


Connecting the Nation

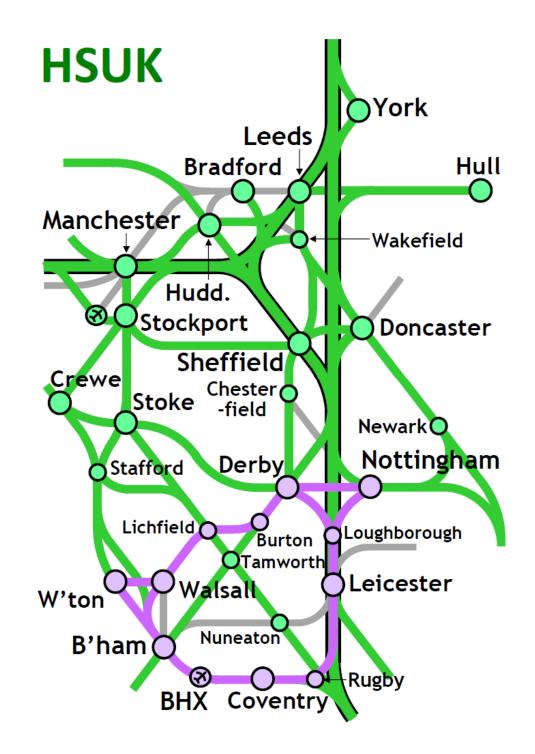
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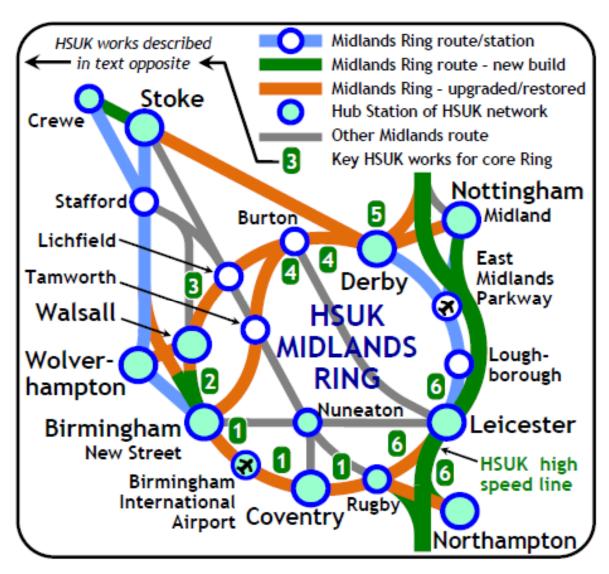
Enhanced regional network accessing all major towns & cities



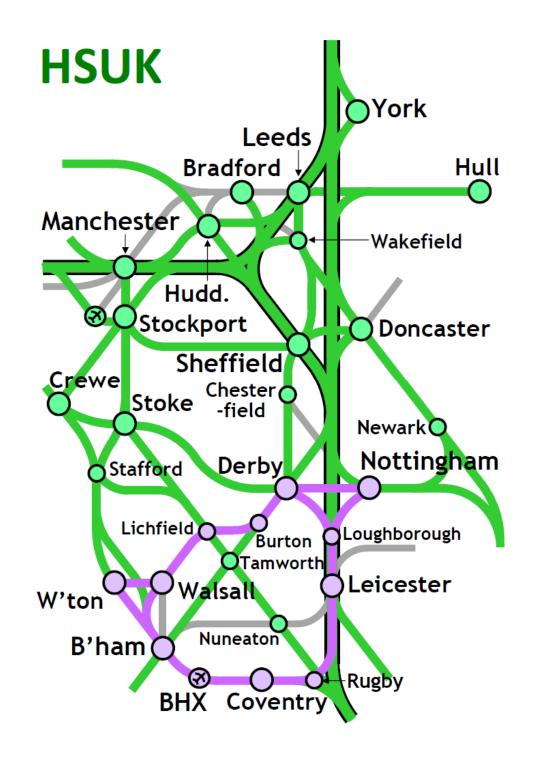
All Northern **Powerhouse** targets met. All major cities linked by new Midlands Ring



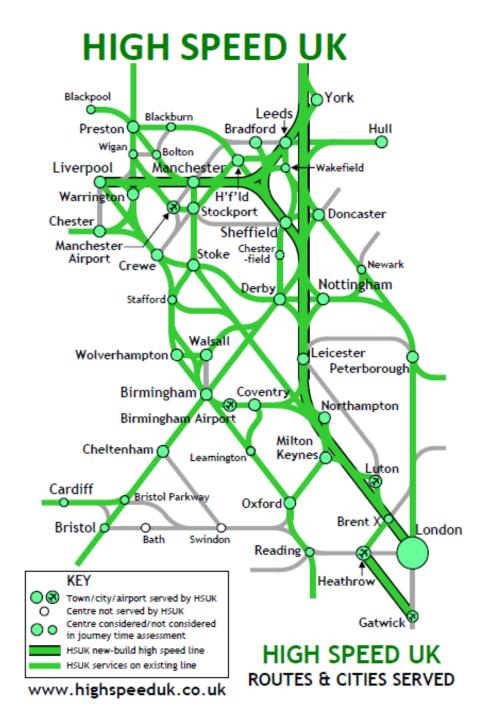
The HSUK Midlands Ring

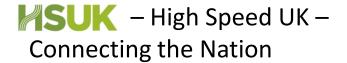


Massive capacity & connectivity gains for all communities



Part of HSUK scheme for integrated national high speed network



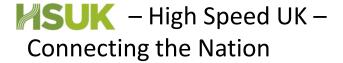


HSUK connectivity gains

HSUK timetable assessment based on 496 possible journeys between 32 towns, cities & airports

Candidate scheme : **HSUK**

	Derby	Nottingham	Leicester	Coventry
Average journey time reductions	47%	56%	62 %	48%
Cities directly linked	27	27	27	24
Journeys made faster	31	31	30	30
Journeys made worse	0	0	0	0



HS2: failure by numbers

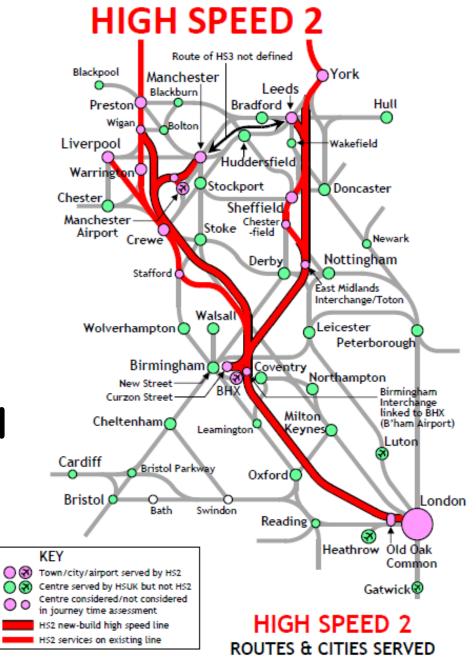
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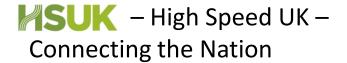
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Why are we bothering with HS2?

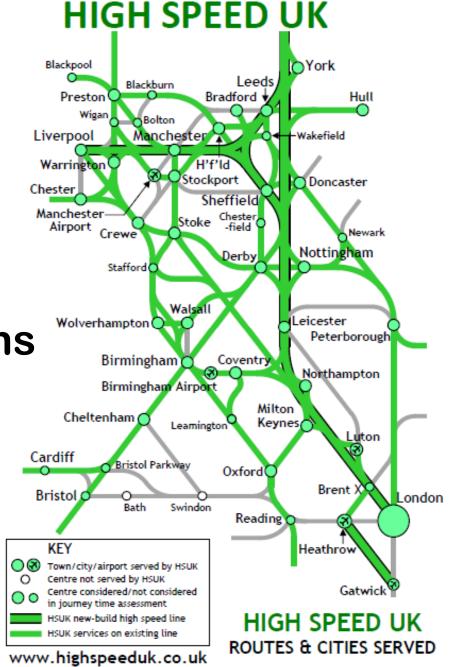
- £21bn greater cost
- No CO₂ reductions
- Huge environmental damage
- Doesn't work as an intercity railway
- Bad for UK regions





There is an alternative

- £21bn cheaper
- 500Mt CO₂ reductions
- Less environmental damage
- Fully connected intercity railway
- All regions benefit



Thank you

www.highspeeduk.co.uk