

ONE POWERHOUSE: A SPATIAL BLUEPRINT FOR THE MIDLANDS



What's next:

How to contact us

Acknowledgements:

ongoing assistance.



This prototype will be developed further over the coming months. Using this prototype and the equivalents for

the South East/South West/Midlands/North, the One

Powerhouse Consortium and the RSA will create joined

up plans. All these documents will be released by the

If you are interested in this project, please get in touch

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with us at: info@onepowerhouseconsortium.co.uk

A vision for Britain. Planned.



TRANSPORT & CONNECTIVITY

The Midlands region has a strong economic geography sitting at the heart of the UK's economy, harnessing growth potential attributed to its strategic road, rail and aviation networks. As a result, 92% of the UK's population are within a 4-hour drive from the Midlands (Midlands Engine, 2017). The strategic networks enable the region to import/export to local and foreign markets, become market leaders for advanced logistics and distribution, provide greater access to employment opportunities as well as being a highly attractive location for business headquarters.

Key Assets:

ad	» »	M6, M5, M1, M40, M42, M5 A Roads (A38, A34, A46)
il	»	Existing network of railway connections » HS2
		 Phase 1 stations (Birmingham Curzon Street Station, Solihull

» Phase 2a (Stafford) » Phase 2b (East Midlands Hub - Toton, Chesterfield) » East Midlands Gateway (Derby) » Birch Coppice (Tamworth)

Interchange)

» East Midlands Airport

Interchanges » Hams Hall (Lea Marston) » DIRFT (Rugby) » Birmingham International

Key issues

Poor connectivity between the east and the west has hindered the Midlands' overall growth potential. This has resulted in large employment sites predominantly concentrated towards the central portions of the region. Peripheral areas in the eastern and western extremities are often poorly connected and overlooked when designating strategic employment sites thus weakening the Midlands economic potential.

Opportunities:

Improvements to the road network will support access to new housing and employment sites. Moreover, motorway upgrades would improve reliability vital for multinational companies located in the Golden Triangle and support key growth hubs such as UK Central. Similarly, the A46 is a key trade route and proposed upgrades will be key to increasing economic output for the region and unlock growth potential in the East.

Improvements to the Midlands Rail Hub will create space for 6 million additional journeys per annum and remove approximately 4,300 lorries daily by 2040.

HS2 trains will serve over 25 stations nationwide connecting around 30 million people. 5 stations are within the Midlands, improving links to London and the North. The Interchange station in Solihull will form part of the UK Central Hub and be one of the bestconnected places in the UK, whilst the Curzon Street station will provide another key interchange acting as a catalyst for investment in the City Centre. The new East Midlands hub station (Toton) will enhance connectivity between the East Midlands and the rest of the UK.

Birmingham Airport has grown by around 40% over the last five years to around 13 million passengers per annum. The airport contributes to £1.5 billion GVA projected to rise to £2.1 billion by 2033. This level of growth, however, has strained the airport's existing capacity and facilities. A £500 million pound expansion is planned over the next 15 years which will see the expansion and modernisation of the terminal building, airport services and facilities, interconnect with HS2 and a particular focus on long-haul routes to high growth economies such as India and China, and North

The East Midlands is the UK's busiest pure cargo airport handling over 320,000 tonnes of flown cargo every year. This function will be bolstered by East Midlands Gateway with its associated rail freight

POPULATION & PLACE

The Midlands is home to over 10.6million people (Oxford Economics, 2017). The greatest concentration of people reside towards the centre of the region; Birmingham being the most populous followed by Coventry and Leicester. West Midlands has the highest proportion of urban areas which coincides with the population statistics. East Midlands had the fastest population growth of the nine regions of England, as a result of higher net in-flow (ONS, 2017).

The spatial areas between each of the settlements are predominantly rural, comprising of agricultural land, Green Belt and the Midlands' key natural assets.

Key Assets:

Areas of Outstanding of Natural Beauty

Wye Valley Malvern Hills Shropshire Hills Cannock Chase Lincolnshire Woods

National Parks Peak District

Key Issues:

The Midlands population is dispersed throughout the region relative to the rest of the country. In effect, this means it is more expensive for people, goods and ideas to move around easily (Midlands Engine, 2017).

Opportunities:

Quality of place plays a significant role in the economy as people want to live in high-quality places that are well connected, have access to high quality green spaces and economic opportunities. In effect, such places attract a skilled workforce which is essential for a prosperous economy. Place-making should remain at the forefront of any development.

Enhancement of the transport network to improve connectivity between the east, west and rest of the UK will minimise the spatial gap within the region. In effect, this will facilitate greater movement of knowledge, ideas, goods and workforce which in turn will deliver greater economic benefits.





Our Plan

A VISION FOR BRITAIN, PLANNED.

The One Powerhouse Consortium, supported by The Sir

a substantial part of the problem of regional inequality

in the UK can be solved not just by money, but by the

transformative potential of spatial planning.

Spatial planning is the 'where' of decisions. It looks at

a defined geographical area and makes an assessment

offices, factories, hospitals, energy sources, museums,

develop those assets for the benefit of the people who

It is well understood that countries and regions around

the world have used spatial planning to focus political

Notable examples include Germany's Rhine/Ruhr,

There is evidence that spatial planning has already

are coherent regional economic plans: London and

Indeed, in England, there is good work taking place

through some Local Enterprise Partnerships (LEPs)

all. In strategic planning and investment terms, these

and Combined Authorities and Mayoralties but not

tend to be rather small and the outcome is rather

begun to deliver results in the UK. We are not alone in

recognising that the two 'regional economies' that have

the highest levels of productivity are those where there

of everything contained in that area – towns, cities,

housing, schools, universities, roads, rail, airports,

parks and leisure activities - and makes a plan to

live in that region, now and for the future.

Association.

The Value of

Place and Scale

Hugh and Lady Ruby Sykes Charitable Trust, believes that

The clear 'gap' in terms of economic planning in the UK, therefore, is at the level of the English regions. Any spatial strategy needs to bring together the best local industrial strategies and plans within a wider regional strategy framework. The foundations of how this can be achieved are already present. The regions of England are already agglomerating: The Northern Powerhouse, The Midlands Engine, The Great South West and The

Wider South East all exist as functional identities. will, economic activity and social reform to great effect. Our ambition is, in short, to work with these regional Holland's Randstad and New York City's Regional Plan will better enable decision-making and prioritization of investment across the country and thus help the UK as a whole develop over the long term - creating

> We are also delighted to be supported on the technical side by some of Britain's most respected planning consultancies: Atkins in the North, Barton Willmore in the Midlands and The South West and Aecom in the

on a page and end up changing lives for the better -

networks to prepare a series of draft spatial plans that opportunity for all, jobs for all and prosperity for all.

South East.

Together, we hope to show how well thought out, long term spatial planning can start as words and diagrams wherever in the UK those lives are lived.

ENERGY

The UK is undergoing a fundamental change in energy production and the Midlands is well placed, centrally, to contribute. In 2017, the region supported 1 in 3 jobs in the energy sector nationally with a contribution of over £5 billion (annual economic output) to the UK economy. There are over 500 businesses trading in the core energy sector comprising 30,000 jobs. Indeed, the Midlands generates 12.2 GW of energy, principally from coal and CCGT sources.

Key Assets

There are several areas where the energy sector is concentrated in the Midlands including the Greater Birmingham and Solihull LEP, Leicester and Leicestershire LEP and Derby, Derbyshire, Nottingham and Nottinghamshire (D2N2) The East Midlands, in particular, has benefitted from large-scale investment in renewable energy sources, including offshore and onshore windfarms, and solar farms. These provide jobs and knock-on investment for more rural parts of the Midlands, such as Lincolnshire, However, the majority of jobs continue to be concentrated around the urban conurbations.

Constraints

In the Midlands, a lack of connectivity (east-west) is hampering the maximisation of growth in the sector. This is coupled with national challenges, including the ever-growing expectation for a green, low carbon future, whilst ensuring costs are minimal for all consumers. National Grid have identified several challenges and argue that the economic landscape, technological development, business models and consumer behaviours are all changing at unprecedented rates.

In addition to the above, there is a growing skills shortage in the energy sector as well as a lack of large infrastructure projects coming forward.

Increased automation and robotisation in manufacturing and logistics means that energy is becoming an increasingly important factor in locational decisions and it is important that the necessary infrastructure is provided to support and future-proof the clustering of economic activities. This has resulted in a move towards a flexible, decentralised system of low-carbon generation but there are regulatory and workforce issues to resolve.

Opportunities

There are many growing companies already sited in the region, capitalising on the rise of the UK's clean economy. For example, the Sustainable Energy Association has its headquarters in the region and there is a wide range of existing skills that can assist in overcoming the UK's shortage of technical-level skills. In light of the economic, environmental and social commitment to drive forward clean energy growth, the Region is well placed to capitalise on this as a sectoral strength with significant political support at a variety of

ECONOMY

The Midlands economy is worth approximately £233.4billion (Oxford Economics, 2017) and responsible for 13% of the UK's annual output (Midlands Engine, 2017). The key sectoral strengths lie within the core cities and are described below:

- » R&D. Life Sciences. Creative industries -Birmingham and Nottingham
- » Automotive clustering Coventry and Warwickshire
- » Agriculture, Food & Drink Lincolnshire, Leicestershire and The Marches.

Key Assets:

Research, Professional, Creative & Digital - The Midlands has a strong science and research base as it is home to 20 universities geographically spread throughout the region specialising in Health, Civil Engineering, Artificial Intelligence and Space Technology. A number of Enterprise Zones, Business Parks and Science Parks provide employment space to grow and develop the sector with notable clusters in Birmingham and Nottingham.

Advanced Manufacturing – The Midlands economy covers a substantial area built on a globally significant, advanced manufacturing base. It is home to some of the skills, following low educational attainment, high most advanced manufacturing industries in the world and employs approximately 246,100 people. The region is home to the headquarters of a number of globally significant businesses (including Jaguar Land Rover, Rolls Royce and JCB) and nationally significant clusters within the West Midlands region and Derbyshire. As a consequence, it accounts for over 21% of the UK manufacturing output (Midlands Engine, 2017).

Energy – The Midlands is well-placed to research, develop and contribute to the energy production market. This includes low-carbon technologies such as Birmingham's Thermal Energy Demonstrator as a testbed facility for solar and wind farms located in the rural parts of East Midlands, particularly Lincolnshire.

Traditional Industries – The Region's traditional manufacturing base is resilient as 27,500 businesses fall within the manufacturing sector.

Transport & Logistics - This sector plays an important economic role in its own right as well as supporting other sectors through the movement of goods and components. Because of its location and existing transport network (including access to regional airports

and strategic rail freight interchanges), the Midlands is the central point for logistics, warehousing and distribution companies. The original Golden Triangle around Daventry and Lutterworth (and including the far eastern fringe of the West Midlands around Rugby) has expanded to include the eastern half of Birmingham, the M42 Corridor, and the motorwayaccessible parts of Coventry. The Region benefits from extensive supply chain infrastructure and has capitalised on the rapid growth of e-commerce.

Visitor Economy – One of the key aims of the Midlands Engine is to support and strengthen the regional tourist economy. A number of high visitor generating attractions are located in the Midlands, including Alton Towers, Drayton Manor Park, Shakespeare's Birthplace and the Black Country Museum. The numerous natural and heritage assets such as the AONBs, National Parks and Forest add to the rural economy and provide diversity.

Key Issues:

The key foundations of productivity are people, skills, infrastructure, innovation, business environment and space. Despite the sectoral strengths, the Midlands has fallen behind other regions due to a lack of unemployment and low graduate retention. There is also a shortage of employment space. Businesses locate near to skilled workforces and other parts of the UK have proven more competitive

A lack of innovation and dynamism has resulted in low business start-up rates compared to the national average and business closures remain high (Midlands Engine, 2017). A greater number of lower output firms in the region impact upon the overall economic output. The connectivity divide between the east and west further hampers the region's economic potential.

Opportunities:

The Midlands can strengthen skills through greater support in education, apprenticeships and targeted up-skilling. New businesses can be supported via mentorship, knowledge-sharing and use of technology to drive productivity. New major transport infrastructure can drive trade and investment opportunities. Consideration of Functional Economic Market Areas (FEMAs) can ensure benefits span across the wider region.

WHY THE MIDLANDS?

The absence of a regional tier of governance has resulted in a piecemeal approach to planning meaning the full potential of the Midlands has not been realised.

The Midlands Engine Strategy is a Government backed initiative to transform the region into an economic powerhouse through a holistic vision. This will require a joined-up approach involving the alignment of industrial and spatial strategies to draw upon the key strengths of the region, identify areas of growth, drive productivity and bolster the Midlands economy benefitting all.

The economic/political composition, fragmented approach to planning and different timescales to produce the economic strategies within the Midlands adds complexity to this task. For example, the West Midlands has a Mayor in Andy Street, but he does not have spatial planning powers and his remit does not cover the East Midlands. There are ten Local Enterprise Partnerships (LEPs) and the Region comprises a number of independent Functional Economic Market Areas (FEMAs).

There are currently five Local Industrial Strategies (LISs) under preparation in the Midlands Engine geography, as shown on Figure 1. The West Midlands LIS was published in May 2019 as part of Wave 1 and the South East Midlands LIS is another trailblazer currently being developed. The Leicester and Leicestershire LIS is to be published as part of Wave 2 in March 2020 and the D2N2 and Greater Lincolnshire LISs will sit within Wave 3. These strategies need to be aligned through an overarching regional plan the contents of each have informed this piece of work.





