

Buckinghamshire Local Industrial Strategy ACTIONS by ASSET, DRIVER and CHALLENGE

ASSETS

Upstream Space:

- US1 ``enhance networking across the space propulsion, launch, unmanned aerial vehicle and Satellite Applications value chains;
- US2 ``raise the profile of UK capabilities in upstream space focusing initially on propulsion systems;
- US3 ``develop a Buckinghamshire Export and Inward Investment Partnership as a chapter of the wider Arc Internationalisation Plan, developed with the Department for International Trade. This plan will be based on Westcott space assets and linked to other key sectors and global locations, including working with government to consolidate a global creative industries capability in the area;
- US4 ``attract investment from the finance community, large corporates and overseas investors;
- US5 ``enhance key education, research, development and test facilities across the Westcott Space cluster; and
- US6 ``further collaborate on skills development initiatives between business and skills providers.

Creative and digital:

- CD1 ``consolidate a global creative industries capability and further support exporting and inward investment in the film, TV and games sector;
- CD2 ``develop and enhance the Screen Industries Global Growth Hub at Pinewood Studios to improve links between creative content providers and the wider business and specialist education networks both on and beyond the Pinewood lot;
- CD3 ``secure investment in key research facilities and programmes; and
- CD4 ``through the Creative Sector Action Group and Skills Advisory Panel, the LEP will work to: improve collaboration between different parts of the education system; engage businesses in identifying local priorities and challenges; and supporting skills providers to respond to local economic priorities.

Silverstone and advanced manufacturing:

- S1 ``ensure that business investment and financial incentive packages are focused on SME innovation;
- S2 ``support the development and application of emerging technologies in companies in the Silverstone Technology Cluster. This will be done by improving the linkages between firms within the cluster and the knowledge base and enabling investment in the participating firms;
- S3 ``develop the innovation ecosystem to improve connectivity between businesses, and between businesses and universities; taking advantage of the network of entrepreneurs associated with the University of Buckingham with a track record of innovation and commercialisation and other centres of research excellence;
- S4 ``attract interest from the finance community, large corporates and overseas investors; and
- S5 ``continue to build the capacity of the Silverstone High-Tech Cluster to improve networking opportunities across a wider 'super-cluster' from across the Arc.

Health and social care model:

- H1 ``support collaboration between businesses and health and care providers who will deliver the Integrated Care System by using technology in adult social care; expanding the capacity to support business spin-outs from the Health Care Trusts and the Universities;
- H2 ``exploit the area's heritage as the birthplace of the Paralympic Movement positioning Buckinghamshire as the MedTech adoption accelerator to conduct product testing at-scale and provide degree apprenticeship programmes dedicated to medical device regulation; and
- H3 ``use the opportunities offered by housing growth in the Aylesbury Garden Town and surrounds to test the application of new technologies which will provide further care directly in people's homes, and to advance the use of technology within clinical settings for remote healthcare monitoring and virtual clinical consultation supporting delivery of the Ageing Society Grand Challenge.

FACTORS

Ideas

To drive progress towards achieving this priority, Buckinghamshire will:

- ID1 ``Establish an Innovation and Enterprise Board comprising key local and national stakeholders that will build on Buckinghamshire's unique capabilities and connect the innovation and entrepreneurial ecosystems to support ambitious business and so rapidly translate new ideas into knowledge-driven growth in the area.
- ID2 ``Drive innovation through new 'Living Labs', including the Aylesbury Garden Town. These 'Labs' will bring together existing expertise in the area and beyond - including the Satellite Applications Catapult, the University of Buckingham, the Regional Energy Hub, the Connected Places Catapult and patient trials at Stoke Mandeville Hospital - to test emerging technologies in real world environments. Bucks LEP will act as a broker, bringing together business and public expertise to drive innovation where there is demand.

Working with local partners across the Arc, Buckinghamshire will also:

- ID3 ``Harness the collective strength of the Arc's research base will be essential. The new Arc Universities Group will act as the focal point from cross-Arc collaboration on science and research, identifying and delivering joint R&D projects and providing a pipeline of talent to knowledge-intensive businesses.
- ID4 ``Strengthen its ability for businesses to commercialise ideas coming out of its universities, research and commercial centres. Key to this will be a network of 'Living Labs' that both trial technologies linked to new developments across the Arc and help address the Grand Challenges. Arc partners will also use assets such as Westcott, Silverstone and Pinewood to establish new networks that support the convergence of technologies across sectors and seek to develop emerging innovation hubs and locations.
- ID5 ``Seek to grow its role as a global research and innovation hub, acting as a UK magnet for international talent, R&D, foreign direct investment and research collaborations. The LEPs and MCA will work with the Department for International Trade, the Arc Universities Group and others to channel foreign investment in the assets and projects that will make the biggest impact on Arc-wide and UK growth.
- ID6 ``together business and public expertise to drive innovation.

People

To drive progress towards achieving this priority, Buckinghamshire LEP will:

- P1 `Develop new employer-led models to address growing skills, aiming to:
- build on current engagement with the Careers and Enterprise Company, the National Careers Service and the Buckinghamshire Careers Hub, to establish a prestigious, structured careers offer which provides clear work pathways from school into work. This work will be overseen by the Skills Advisory Panel;
 - in addition, the SAP will build upon the high levels of business interest to work with the Department for Education to boost industry placements in disciplines befitting the Buckinghamshire economy. This will include engaging with and encouraging employers to build capability ahead of the roll out of T levels; work with employers across the area to facilitate effective use of the apprenticeship levy through transfer flexibilities; and inspire the workforce of the future to work in Buckinghamshire’s leading businesses in space, creative, high value manufacturing and digital health.

Working with local partners across the Arc Buckinghamshire will also:

- P2 `Review labour market intelligence across the Arc, to gain a better understanding of how skills provision is currently delivered and funding utilised. This will include working closely with the Department for Education and providers across the Arc to consider how local provision supports objectives within this strategy and support the collaborative ambitions of the Arc Universities Group.
- P3 `Work with local employers to increase apprenticeship uptake across the Arc, supporting employers to maximise their Apprenticeship Levy contributions and drive social mobility.
- P4 `Work with local employers to support the effective role of T levels and utilise local labour market intelligence to work with providers to consider how the local T level offer will support local businesses.
- P5 `Establish an Arc-wide skills marketplace, enabling the LEPs to continue to build on the positive working relationships with the Careers Enterprise Company and other careers services. This will utilise the evidence provided by each Skills Advisory Panel, connecting businesses with skills providers and people with targeted support including apprenticeships, STEM skills, T levels, technical and degree apprenticeships.

Infrastructure

To drive progress towards achieving this priority, Buckinghamshire will:

- IN1 ``putting Buckinghamshire at the forefront of digital innovation by addressing digital connectivity bottlenecks and ensuring that digital requirements are planned in as a basic infrastructure requirement for new developments;
- IN2 ``working with major infrastructure providers to promote the digital connectivity interests of Buckinghamshire, particularly in cases such as High Speed 2, Expressway, East West Rail and Heathrow where the benefits will impact not only Buckinghamshire, but partners within the growth corridor and in turn national productivity;
- IN3 ``supporting businesses with high value potential in, for example, the digital and care sectors, exploiting 'Smart City' concepts linked to local planned Garden Town Developments; and
- IN4 ``ensuring surface connectivity to Heathrow Airport and resilience for the rail access to London is maintained by progressing the business plan for the Old Oak Common connection for the Chiltern Rail Network and to deliver on schedule the approved key east-west connections.

To achieve this, Buckinghamshire will:

- IN5 ``comprehensively map all digital coverage including cellular, 5G and broadband to support wider commercial development.

Action will also be taken to:

- IN6 ``work with the England's Economic Heartland and emerging Sub- national Transport Body to deliver commitments to east- west connectivity, improve resilience through north-south routes and strengthen access through Old Oak Common;
- IN7 ``develop a new digital investment strategy to help target investment into gigabit connectivity;
- IN8 ``secure broadband provision through community fibre partnerships; and
- IN9 ``support businesses to take advantage of the benefits of digital infrastructure.

Working with local partners across the Arc Buckinghamshire LEP will also:

- IN10 ``collaborate with Department for Transport, Highways England, the East West Rail Company and England’s Economic Heartland to expand the economic benefits of planned strategic transport links and improvements to the Major Roads network across the Arc and develop the first-mile- last-mile connections to them;
- IN11 ``work with government to develop a shared evidence base for the current and future energy needs of the Arc, including through the identification of opportunities to test new energy policies or approaches within the Arc;
- IN12 ``work with government to identify and diffuse best practice on digital infrastructure planning in the Arc and explore opportunities to align new transport infrastructure with digital infrastructure in the Arc. This will aim to support industry to accelerate the roll-out of full fibre networks, enabling accelerated growth of 5G technologies across the Arc;
- IN13 ``work to standardise public data where possible, and with support from government policy experts, to ensure that the opportunities to collect and capitalise on data are utilised – with a view to addressing Grand Challenges around the Future of Mobility, the Ageing Society, and Clean Growth; and
- IN14 ``work with government across the wider Arc to explore proposals for new approaches to funding infrastructure, as set out in government’s response to National Infrastructure Commission Report at Autumn Statement 2018.

Business Environment

- BE1 ``establishing a strong eco-system of business support – plugging gaps and making links with the specialist services that can have a direct impact on scaling up ambitious businesses; and
- BE2 ``stimulating growth aspiration – working with ambitious entrepreneurs to promote a highly positive culture of business investment.
- BE3 ``leadership and management development: expanding mentoring and business growth programmes delivered by a range of providers such as Be the Business, particularly in Enterprise Zone and Business Improvement Districts, to be coordinated by the Local Growth Hub, to support business scale up aspirations and capability;
- BE4 ``Create a programme of direct Growth Hub stimulus to encourage innovation and to incentivise investment in R&D;
- BE5 ``supply chain development: a programme of supply chain mapping and development driven by a detailed analysis of market need, trade flows and opportunities for investment at scale;

- BE6 ``rural business support: an offer that fits the rural economy which can be broken into strong land and food- based parts of the local economy but also homeworkers in rural locations;
- BE7 ``incubation and co-working spaces: develop new and enhanced high quality business accommodation with access to plug and play services combining 3D printers, ultrafast broadband and collaborative working practices. This will deliver the leadership capacity that firms need to grow into new domestic and overseas markets;
- BE8 ``collaboration tools: creating a new sharing platform where employers can share resources, facilities etc. to prevent down time and the risk of incurring additional costs; establishing an innovation and enterprise board comprising key local and national stakeholders that will build on Buckinghamshire's unique capabilities and connect the innovation and entrepreneurial ecosystems to support ambitious business and so maximise knowledge- driven growth in the area; and
- BE9 ``working with the Department for International Trade, the LEP will seek to develop a Buckinghamshire Export and Inward Investment Partnership as a chapter of the wider Arc Internationalisation Plan. This plan will be based on Westcott space assets and linked to other key sectors and global locations, including working with government to consolidate a global creative industries capability in the area.

Working with local partners across the Arc Buckinghamshire LEP will also:

- BE10 ``work with government, within existing budgets, to develop improved, joined-up business support for high-growth firms across the Arc, developing an Arc-wide offer to different kinds of business;
- BE11 ``work with the British Business Bank to help SMEs in the Arc to access the finance they need to grow their businesses. Local partners across the Arc will also explore the existing landscape and any gaps in finance for businesses, as well as the establishment of an Arc-wide business angel network to better engage with early-stage investors;
- BE12 ``work with government to develop a shared understanding of market failures in creating new commercial premises within the Arc, bringing together a range of analysis already being undertaken locally, regionally, and nationally;
- BE13 ``work with the Department for International Trade to encourage greater trade and inward investment, building on existing engagement at LEP level and including the development of an Oxford-Cambridge Arc Internationalisation Delivery Plan.

Places

To drive progress towards achieving this priority, Buckinghamshire LEP will:

- PL1 `` use local capital budgets to capitalise on connections to the major and local road network;
- PL2 `` build on its traditional manufacturing base through the development of the central station quarter at High Wycombe and other key town centre locations;
- PL3 `` use Garden Town-planning principles, new technologies and disruptive housing delivery to form a technological testbed to integrate new communities and improve the quality of life for existing residents in and around Aylesbury;
- PL4 `` ensure new and existing growth areas are linked and serviced by sustainable infrastructure; and
- PL5 `` working with local partners to develop the business case for a Productive and Healthy Places Programme to support the delivery of the place strand of this Local Industrial Strategy.

Working with local partners across the Arc Buckinghamshire LEP will also:

- PL6 `` consider ways to contribute towards the government's Clean Growth Grand Challenge mission to at least halve the energy use of new buildings by 2030, supporting the Arc's wider ambition to create clean, energy efficient and sustainable communities for all.
- PL7 `` Ensure the environment is left in a better state for future generations: aiming to be an exemplar for England's 25 Year Environment Plan; using intelligent and sensitive design on new housing and infrastructure developments to create or enhance habitats; exploring opportunities to enhance natural capital and deliver the principle of 'net environmental gain'; and working with government to develop a Local Natural Capital Planning approach for the Arc, considering ways to maximise environmental expertise across the Arc, creating opportunities to share best practice across public and private sectors, new ways to measure the value of natural capital for businesses and how to empower the business community to champion and support the Arc's natural assets.

Grand Challenges

- GC1 ``Ageing Society: Buckinghamshire aims to become a centre of excellence for supporting encore careers with a particular focus on micro businesses. This would form an element of the work programme to Stimulate Business Productivity which would provide business support to encore career entrepreneurs and enable networking and collaboration between them.
- GC2 ``AI and Data: Establish an open data store to support the commercialisation of new goods and services and public service reform; maximise the opportunity for a new approach to the collection, availability and use of data opened by the creation of a new authority.
- GC3 ``Future of Mobility and Clean Growth: Pilot projects: giving priority to a public fleet of e-vehicles in key locations and routes; introducing responsive transport services between major business locations and transport hubs; working with England's Economic Heartland to establish a connected autonomous vehicles testbed across the Arc.
- GC4 ``Consider with government ways to address the Clean Growth Grand Challenge mission to at least halve the energy use of new buildings by 2030 as part of ambitions to build more homes across the Arc.