LEEDS CITY REGION

HEALTHCARE
AN ECONOMIC POWERHOUSE WITH GLOBAL REACH, LEEDS CITY REGION BRINGS TOGETHER ENERGY, AMBITION AND A WEALTH OF TALENT TO FUEL A GROWING ECONOMY. SET AGAINST THIS BACKDROP IS A UNIQUE AND INFLUENTIAL HEALTHCARE ECOSYSTEM THAT MAKES OUR REGION UNLIKE ANY OTHER, PROVIDING AN UNEQUALLED OPPORTUNITY FOR INVESTMENT AND GROWTH.

WHEN YOU THINK HEALTH AND INNOVATION, THINK LEEDS CITY REGION.
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A unique opportunity

THINK HEALTH
Health and innovation is a priority issue worldwide. Particularly so in the UK, home to the National Health Service, the world’s largest publicly funded health service and in the top five of the world’s largest workforces.

Leeds City Region is at the centre of this economy. Our commitment to enabling healthy and productive lives, coupled with our unique ecosystem, has seen our region become the UK’s first health innovation hub. With unrivalled access to market, an exceptional talent pool and attractive support packages available, Leeds City Region is the ideal place to invest in the UK health market.
TECHNOLOGICAL ADVANCES

The increasing importance of Big Data and the development of robots and autonomous systems, synthetic biology and new advanced materials, will have implications for the health and bioscience sector and drive demand for technical skills and support. Leeds City Region is already a leader in these areas, having been chosen as the home of the NHS Health and Social Care Information Centre, as well as both Leeds and York Universities developing research in the field of robotics and autonomous systems.

INVESTMENT IN REGENERATIVE MEDICINE

One of ‘eight great technologies’, significant investment is to be channelled into this sub-sector. The University of Leeds is leading research in this field, with the University of Huddersfield’s Institute for Skin Integrity and the University of Bradford’s Wound TEC HTC enhancing the health expertise linked to regional hospitals and NHS institutions.

THE CHANGING POPULATION

Our population is ageing and becoming more diverse and urban. Solutions will become increasingly tailored and support preventative approaches that range across both patient and citizen pathways.
INCREASING PREVALENCE OF HEALTH CONDITIONS

Global population growth and the rise in the number of people with Chronic Non Communicable Diseases will place greater demand on health services.

HIGHER INTEREST IN PERSONAL HEALTH AND RISING INCOMES

Global increases in concerns over health combined with rising incomes and increasing consumerism will accelerate demand for healthcare services.

THE PERSONALISATION AGENDA AND INDEPENDENT LIVING

Policy changes are underway to give adults more control over the support they need, which impacts on how healthcare is delivered.
A unique ecosystem

THINK
INNOVATION
Leeds City Region at the heart of the UK’s commitment to Digital Health and Care:

- The UK will continue to dominate the EU telehealth market
- It has the world’s largest unified healthcare system with a spend of c£120 billion in 2013/14
- The UK is dedicated to moving towards an integrated health and care system
- Ehealth has been identified as a major UK growth area
- The UK is the world leader in open data

- The country is set to have the best superfast broadband network in Europe by 2015
- The Government and NHS are investing £1 billion in technology over the next three years
- Leeds City Region is home to the headquarters of four out of the five NHS bodies, the UK’s largest NHS trust, and is recognised as a leader in integrated health services
- Together these factors make our City Region perfectly placed for investing in digital healthcare

A unique ecosystem, unrivalled access to market, exceptional talent pool and attractive support packages makes Leeds City Region perfectly positioned for investment in health and innovation.
Leeds City Region has a unique health and social care ecosystem and is proud of its collaboration across private, public and voluntary sectors. This is perfectly complemented by our support of the collaboration between clinical innovation, medical technologies and engaging communities.

We are also a recognised leader in commissioning and delivering integrated health and social care services – both in the UK and internationally.

We believe our health ecosystem is unique for both its local connectivity and its national reach with government. It offers a distinctive opportunity to launch and accelerate investor growth ambitions in the UK and beyond.

**Our sub-sector strengths**

- Health informatics
- Regenerative medicine
- Technology enabled care
- Diagnostics
- Pharmaceuticals
- Medical devices
THE NHS FIVE YEAR FORWARD VIEW STATES THE NEED TO

IMPROVE THE NHS’ ABILITY TO UNDERTAKE RESEARCH AND APPLY INNOVATION – INCLUDING DEVELOPING NEW ‘TEST BED’ SITES FOR WORLDWIDE INNOVATORS, AND NEW ‘GREEN FIELD’ SITES WHERE COMPLETELY NEW NHS SERVICES WILL BE DESIGNED FROM SCRATCH
LEADING RESEARCH, DELIVERY AND MANUFACTURING

Across both public and private sectors, Leeds City Region is leading research, delivery and manufacturing of medical devices, biotechnology and pharmaceuticals. From surgical equipment to medical robots, our region is home to a wide range of firms driving growth in these fields and presents a ready-made supply chain for investors to tap into, turning innovation into commercial opportunities.

LEADERS IN HEALTH AND SOCIAL CARE

We are a recognised leader in commissioning and delivering integrated health and social care services. Local Government, the NHS, clinical commissioning groups, universities and the private sector are working together to ensure our region’s citizens experience high quality, seamless care that covers all aspects of the health and social care spectrum.

LOCAL GOVERNMENT AND NHS

One of the key differentiators of Leeds City Region as a place to invest is our connectivity between local government and NHS bodies based here. Together they offer you highly attractive support packages, access to key decision makers and markets, with national and international reach.

HIGHLY SKILLED WORKERS

There are 196,000 highly skilled workers across our health sector, including key decision makers at the four NHS bodies based here, the largest number of health informaticians in the UK and 36% of Leeds City Region’s universities combined research is World-Leading and a further 10% World-Class.

CENTRES OF EXCELLENCE

Our Region boasts 138 centres of excellence in health at nine universities in Leeds, York, Huddersfield and Bradford. These institutions are developing new ways to deliver healthcare, backed by a region with the perfect collaborative platform to test these ideas and make them reality.

A LIVING LAB

The sheer size of our City Region’s health system makes it an ideal fit for the concept of a ‘living lab’. NHS England and the Government are seeking innovators to partner with our health and care systems in trialling new technologies, digital services and other developments. The call is to any sector wanting to test ideas of delivering health services in better ways at scale, in a real clinical setting.
THERE WERE MANY REASONS FOR INCLUDING LEEDS CITY REGION IN OUR GLOBAL R&D NETWORK. THESE INCLUDE THE HISTORICAL ASSOCIATION OF INNOVATION IN MEDICAL TECHNOLOGY AND LINKS WITH THE REGION’S UNIVERSITIES AND THE AVAILABILITY OF SKILLS.

Mike Barker, Global Vice-President of R&D at DePuy Synthes
Leeds City Region is at the forefront of global research and development in health and innovation, with world-leading academic talent delivering world-leading results. This in turn drives our health informatics and manufacturing capability. Our strength in health and medical manufacturing stems from close links fostered between industry, academia and government.

We are building our future on an integrated health and wealth agenda that significantly contributes to the UK Government’s Health and Wealth Strategy.

Our competitiveness in medical technology manufacturing is based on a global reach supported by a committed local base.

This derives from a culture which values manufacturing capability, particularly design engineering, both for past contributions and its future critical role in securing the rapid growth of the region’s economy from £60.5 billion to £65 billion by 2019.

We will achieve this by continually deepening and broadening the relationships within our health ecosystem through an ambitious programme of investment to catalyse innovation across Bio Informatics (including Diagnostics), Bio-Incubation (including Bio marker and sensors) and Clinical Training and Simulation.
A FORMULA FOR SUCCESSFUL HEALTH AND INNOVATION INVESTMENT

CENTRES OF EXCELLENCE
Centres of excellence for medical research in Leeds, York, Huddersfield and Bradford Universities.

KEY DECISION MAKERS
Unrivalled access to key decision makers – home to NHS England, the Health and Social Care Information Centre, the NHS Leadership Academy and Health Education England.

HEALTH INFORMATICIANS
The largest number of health informaticians in the UK.

AN ESTABLISHED HUB
For health and innovation, leveraging our expertise in medical engineering and health informatics through community engagement.

STRENGTHS IN DATA AND TECHNOLOGY
A health ‘test kitchen’ using our strengths in data and technology and utilising the demographics of the region which are perfectly representative of the wider UK population.

Health pioneers innovating for future trends
- We were home to the world’s first arm and hand transplants, as well as the first hip replacement and kidney dialysis
- A leading Health and Social Care Integration Pioneer
- Location of the market leading primary care health IT systems
- Home to the largest healthcare data platform in the world (NHS Spine, HSCIC, EMIS and TPP)
Exceptional skills and talent

THINK SMART
Leeds City Region has a large and skilled labour pool (including the UK’s largest manufacturing labour pool). Specialisms covering science, engineering and technology drive productivity and an engrained commitment to quality and technical excellence. Six sigma principles are widely recognised and applied across the region’s manufacturing base.

The City Region’s unique ecosystem also ensures a great depth of capability and talent. In addition to that, there is a ready-made collaborative network critical to driving innovation and establishing a value-led supply chain.

With GVA at £60.5bn and a forecast growth of £5 billion over five years, as well as the UK’s largest workforce (1.4m) outside London, our economy is individually bigger than nine EU countries.

Equally as impressive, is the fact that thanks to close links between business and the City Region’s nine universities, Leeds City Region boasts one of the UK’s most highly skilled workforces with 41,500 graduates being produced each year – including 8,430 in STEM subjects. In fact Leeds City Region has more higher education qualifiers in health and innovation relevant subjects than any comparable city region. The University of Leeds alone has produced three times as many qualified informaticians than any other UK university. As the region has one of the highest graduate retention rates in the UK, you can readily access the right talent and skills for growth.
The quality, efficiency and dedication of the workforce in the area have increasingly allowed Tunstall to bring even more of its manufacturing development and service activities to Leeds City Region.

Gil Baldwin, Chief Executive, Tunstall
THINK CAPABILITY

HEALTH INFORMATICS

In the Health and Social Information Centre, Leeds City Region has the highest number of health informaticians in the UK. Leading private sector companies further bolster the area’s prowess in this field including EMIS Group and AQL, as does Google’s first UK Digital Garage. We boast universities ranked first for Big Data research, and have unrivalled access to vast health and social care datasets. All of this means our region is able to drive the innovative use of data to create new health and wellbeing outcomes.

TECHNOLOGY ENABLED CARE

Leeds City Region is one of only two regions with companies operating across the full spectrum of technology enabled care (TEC). Our region is also home to some of the most prominent companies in this sub-sector, including Tunstall, TPP and EMIS. The market for people requiring TEC is expected to rise to 18 million by 2025. Finding new ways to support these people is central to ensuring the future sustainability of the NHS, making TEC a growth area ripe for investment.

REGENERATIVE MEDICINE

This sub-sector perfectly demonstrates our region’s collaborative approach across private and public sectors. Research at the University of Leeds – one of only 10 UK universities to receive research funding in this field – is driving the commercial potential, with successful spin-outs to private firms. These specialist medical practices delivered impressive growth of 60% between 2009 and 2013.

DIAGNOSTICS

Research activity through the Leeds-hosted National Institute for Health Research Diagnostic Evidence Cooperative (NIHR DEC) and a growing number of innovative businesses (Aptamer Group, Avacta Life Sciences, Badrilla) are contributing to advanced medical diagnostics becoming a developing strength within the city region.

MEDICAL DEVICES

Leeds City Region boasts real strengths across business and academia in the research, development and production of cutting-edge medical devices. Our City Region is home to some of the leading international medical manufacturing companies (Smith & Nephew, Surgical Innovations, DePuy Synthes, RSL Steeper, Brandon Medical), with particular pockets of excellence in the manufacture of orthopaedic devices, wound care, surgical instruments and medical equipment.

In addition, the Institute for Medical and Biological Engineering (iMBE) at the University of Leeds has the largest multi-disciplinary orthopaedic engineering research group in Europe and is undertaking world-leading work in areas such as more durable joint replacements and greatly improved spinal interventions.
PHARMACEUTICALS

Leeds City Region is home to a broad range of companies spanning the pharmaceutical sub-sector – from internationally renowned drug-makers to analytical services and niche drug-makers (Teva, Thornton & Ross, Perrigo, Florri-Femé Pharmaceuticals, Covance). The University of Bradford has a hub of academic activity around pharmaceuticals. Also within the university is the Institute of Cancer Therapeutics. 80% of the research activity of this group was judged to be of international quality and above.

A SUBSTANTIAL HEALTH SYSTEM

In total there are 13 clinical commissioning groups and 12 NHS trusts, of which eight are acute trusts, based in Leeds City Region. The combined income of these trusts is just over £4.4 billion.

COLLABORATE WITH WORLD LEADERS IN HEALTHCARE

Leeds City Region is a powerhouse in terms of its contribution to the UK healthcare sector, with world-leading companies, clinical expertise and research and development capacity across its universities, hospitals, healthcare and medical device manufacturing sectors.
THREE REASONS TO INVEST

CENTRES OF EXCELLENCE FOR MEDICAL RESEARCH IN LEEDS, YORK, HUDDERSFIELD & BRADFORD UNIVERSITIES
1. THINK KNOWLEDGE
- Nine universities in the wider city region
- 116,500 students in higher education annually, more STEM graduates than any other region outside London
- Contributing £3.68 billion to the economy
- Generating jobs, creating innovation and driving enterprise
- Unprecedented knowledge and innovation infrastructure across the region – universities, NHS organisations, bio-incubators, data institutes and business support
- The region has the largest number of health informaticians in the UK (with over 2,000 in public and private sectors)

2. THINK INNOVATION
- National Institute of Health Research (NIHR)
- Leading centre for Covance Clinical Trials
- Health and Social Care Information Centre (the world’s largest clinical audit)
- Yorkshire and Humber Academic Health Science Network
- Leading burns unit at Pinderfields General Hospital
- Leadership of the National Diabetes Audit
- Digital Health Catapult and Cancer Research at Bradford

3. THINK OPPORTUNITY
- Home to one of the largest networks of primary and secondary care in Europe
- Hosts one of the UK’s largest pathology labs
- UK’s largest workforce outside of London (1.4 million)
- The UK is the world’s largest health economy with a £120 billion spend on health and social care in 2014
- Four out of five UK NHS bodies headquarters are in Leeds City Region
- Academic Science Network
Unrivalled access to market

THINK

CONNECTED
Leeds City Region is located in the heart of the UK with excellent transport links to the rest of the country as well as overseas. Thanks to this broad network of road, rail, air and sea routes even the largest shipments can be transported quickly and efficiently.

Our exceptional transport network allows for reliable and affordable public transport which in turn provides easy access to a large pool of potential employees.

This connectivity is set to go on improving with major investment coming in the form of the high speed railways HS2 and HS3. A sure sign that the Government recognises the importance Leeds City Region has to play in the country’s continued economic growth.

As well as this, we are also improving our digital connectivity. Leeds City Region already has extensive broadband coverage, but plans are underway to make it even better through significant private and public investment. This includes around £100 million public sector investment over the next three years.

Uniquely, Leeds City Region is home to the headquarters of four of the most important UK National Health Services bodies:

- NHS England, responsible for over £100 billion annual healthcare spend
- The Health and Social Care Information Centre, which hosts national health and social care data collections
- The NHS Leadership Academy, responsible for leadership development and training throughout the NHS
- Health Education England, the national body for organizing healthcare education and training. Leeds Teaching Hospitals Trust is the largest in the UK and includes one of the largest teaching hospital in Europe
AIR TRAVEL TO KEY BUSINESS DESTINATIONS
Leeds Bradford International Airport, serves 70 destinations in 30 countries across Europe, North America and Asia and frequent BA services to London Heathrow and Amsterdam Schipol with KLM, allow even further connectivity.

SIX OTHER AIRPORTS WITHIN EASY REACH
Including Manchester International, which is one hour and 15 minutes by train, and Amsterdam Schipol, which is one hour 15 minutes by direct flight from Leeds Bradford International Airport.
Highly attractive support services

THINK RESOURCES
WE HAVE RECEIVED EXTENSIVE SUPPORT FROM THE LEEDS CITY REGION LOCAL ENTERPRISE PARTNERSHIP, INCLUDING A GRANT OF OVER £500,000 TO HELP US EXPAND OUR FACILITIES TO INCORPORATE A STATE OF THE ART NUTRITIONAL CHEMISTRY AND FOOD SAFETY LABORATORY IN HARROGATE.

Rob Asbury, Vice President & General Manager
Clinical Pharmacology Services at Covance
HERE FOR YOU

LEEDS CITY REGION ENTERPRISE PARTNERSHIP CAN OFFER YOU A COMPREHENSIVE SERVICE, FROM INITIAL ENQUIRY RIGHT THROUGH TO AFTERCARE. WE CAN HELP YOU IDENTIFY, SECURE AND ACCESS FUNDING FOR THE PERFECT SOLUTION TO SUPPORT YOUR BUSINESS GROWTH.
PREMISES

We can use our unrivalled knowledge of the region to undertake extensive property searches and find a site that matches your exact specification. We can also offer property advice, negotiation skills and introductions to relevant developers.

ACCESS TO FINANCE

Whether you need access to finance for premises, capital investment or IT, we can help. Along with support on R&D tax credits and general advice about setting up in the UK.

SOFT LANDING

We can tailor a soft landing package to your needs. From finding a temporary space for initial set up to securing interview venues, we’re here to support your first steps into the region and ensure you have the perfect springboard for long-term success.

RECRUITMENT

With a vast pool of talent and a ready pipeline of graduates entering the jobs market each year, Leeds City Region can provide the skills you need. We can also support your initial recruitment stages to assist with finding core staff, specialists and make relevant recruitment agency introductions for general hiring.

AFTER CARE AND ON-GOING SUPPORT

We provide on-going support once you’re up and running in our region, and pride ourselves on our continued relationships with investors. Our investor development packages includes access to technical support, expansion support and relationship building – opening the door to the thriving business ecosystem across Leeds City Region.
THINK SPACE

Stunning setting
We’re very proud of our region’s high standard of living, which includes a wealth of rich cultural attractions and stunning scenery. Our three National Parks as well as stunning coastlines make our region the perfect place to relax and make the most of life. While for those seeking more excitement, our cosmopolitan and modern cities offer a vibrant mix of retail, culture and commerce. We also love our sport and are well versed in hosting major sporting events from the Tour de France 2014 to International Test Cricket and Rugby World Cup 2015.

Together these factors ensure Leeds City Region is a thriving, dynamic and desirable place to live and work. The addition of excellent schools, a first class health service and endless leisure activities help businesses attract and retain the very best talent.

From Le Grand Départ of the Tour de France to Rugby World Cup 2015, Leeds City Region plays host to the biggest sporting events.
It is hugely valuable to be located within close proximity to four of the UK’s leading NHS bodies. This ensures we can bring new products and services to market. It also enables us to access people with the right skills and expertise. We have no difficulty in recruiting employees with the talent and vision required for our business.

Paul Stobart, Chief Executive Officer at Tunstall Healthcare
GET IN TOUCH TO START ENJOYING THE BENEFITS OF LEEDS CITY REGION

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