

SOUTH YORKSHIRE
SYMCA



MAYORAL
COMBINED
AUTHORITY

SOUTH YORKSHIRE INVESTMENT ZONE



MANUFACTURING INTELLIGENCE
SMART CONNECTED FACTORY



City of
Doncaster
Council

Rotherham
Metropolitan
Borough Council



University of
Sheffield

AMRC
Advanced Manufacturing
Research Centre

Sheffield
Hallam
University



University of
Sheffield

Welcome to South Yorkshire.

FOREWORD



Oliver Coppard

**HOME TO WORLD-LEADING
BUSINESSES, UNIVERSITIES,
UNRIVALLED SKILLS & A WARM
WELCOME**

Today, South Yorkshire stands on the edge of a future transformed.

This document sets out how we plan to make the South Yorkshire Investment Zone the best place to start, scale or relocate your business. With a new economic model and a new plan for growth - underpinned by a new generation of public and private sector leaders - we are making something special happen here.

That change is long overdue. South Yorkshire has been a leader before: we were the centre of the steel and coal industries and a crucible of the Industrial Revolution; we're the birthplace of football and the host of world snooker. South Yorkshire is the place countless world leading musicians, artists and thinkers call home, with breathtaking landscapes and warm, welcoming, connected communities.

But it's fair to say that for too long our history, our economic assets, our relatively low costs of capital, land and labour, and our high quality of life have not been enough to attract sustained, meaningful investment.

And while our strengths have sometimes been overlooked by those from outside, what's perhaps worse is that all too often we have forgotten them ourselves.

Which is why I'm now determined we will finally make change happen. Our time is now.

I was elected on a promise to restore the pride, the purpose and the prosperity of South Yorkshire, and I meant it. As Mayor I have made it my most enduring goal to restore those most fundamental and vital tenets of a good society; wide-spread prosperity, built on a renewed sense of purpose, a confidence about our place in the world, and a pride in both our past and our future.

We are building from a place of strength. Perhaps most notably we are building on our status as the home of the world's first and best Advanced Manufacturing Innovation District, a partnership between our materials and manufacturing leaders and our universities. At the same time as the rest of the world is rediscovering a modern industrial strategy, here in South Yorkshire we have been demonstrating its potential for decades.

After twenty years of growth the District brings our historic strengths to bear on frontier engineering challenges – beyond metals and into IT systems,

health and wellbeing sciences, and energy production. We host Boeing's only manufacturing facility in Europe, sitting side-by-side with globally leading firms such as McLaren, ITM Power and Rolls-Royce.

Our Investment Zone is the next stage in that journey. We are expanding the Advanced Manufacturing Innovation District (AMID) to include Town and City Centres in Rotherham and Sheffield - reflecting the growing presence of urban start-ups and scale ups, and to provide space to grow for our booming digital and data service companies. We are expanding the AMID geography to include Opportunity Sites in Barnsley and Doncaster, where large allocated plots with low land costs and good transport connections are perfect for supply chains to develop and scale up.

We are also broadening out our sectoral focus. Our lead sector is advanced manufacturing. In South Yorkshire we see that as a core capability; an ability to produce practical solutions to big, globally defining problems: producing clean power, heat and flight; tackling health inequalities; and harnessing technology to produce good jobs.

The Investment Zone is your opportunity to gain a first-mover advantage as we begin to really scale our strengths. We start with around £1.2bn of planned private investment and we will match that ambition with a commitment of £80m Investment Zone funding designed to relieve real, practical constraints to further growth: to help businesses to start-up and scale-up: and provide smooth landings for those looking to relocate.

But no amount of money could tell the full story of our ambition.

This is about building a new future for South Yorkshire. A bigger, better economy and a brighter future for everyone who lives here, founded on a partnership between government, civic institutions and private enterprise, for the benefit of our communities.

Twenty first century prosperity, restoring civic pride, enabled by rediscovered public and private purpose. That is my offer to you.

Welcome to South Yorkshire. I look forward to working with you.

Mayor of South Yorkshire
Oliver Coppard



South Yorkshire's know-how is about engineering practical solutions to big challenges.



SOUTH YORKSHIRE: AT THE HEART OF THE UK'S GEOGRAPHY, MARKETS & INFRASTRUCTURE

At the centre of the UK's landmass, its power and its fibre networks, the South Yorkshire Investment Zone will be the best place to start, scale or relocate your business.

By connecting, supporting and accelerating growth, research and innovation in the spatial core between Rotherham and Sheffield and on key Opportunity Sites in Barnsley and Doncaster, South Yorkshire is engineering a cleaner, healthier and bigger economy for all. The Investment Zone extends the world's first Advanced Manufacturing Innovation District geography to include large, well-connected, low cost, allocated sites to allow businesses to scale up and to develop their supply chains.

The lead sector for the Investment Zone will be advanced manufacturing. But in South Yorkshire advanced manufacturing is more of a core capability. From Bessemer's converter, facilitating mass production of steel, through to Opteran, harnessing algorithms from insect brains for industrial processes, South Yorkshire's know-how is about engineering practical solutions to big challenges.

Our interventions will be mission-driven. Our advanced manufacturing know-how will be deployed to solve society's biggest challenges: producing clean, green heat, power and flight; tackling ill-health; and, harnessing robotics, AI and frontier technology to create more good jobs and fulfilling careers in South Yorkshire.

Our interventions will be based on best practice and bespoke, supporting investment in capital, infrastructure, skills, supply chain diversification, ecosystem development and planning capacity. These will build on our unique strength of blending advanced manufacturing know-how, high value service operations and tech talent.

We have assets that give us a comparative advantage on each of our three big challenges, and expertise in industrial policy that, alongside a skills and research system to provide the people, a convenient geography to provide the space and a long-term vision to provide the certainty, together provide the commitment your business needs.

The Opportunity.

The Opportunity.



THE INVESTIBLE VALUE

Building on the region's strengths, we estimate that the Investment Zone will help leverage more than £1.2bn of private funding and help support more than 8,000 jobs by 2030. This builds on the Boeing research announcement, and includes the expansion plans of Hybrid Air Vehicles, E.On and many others.

WHY INVESTORS AND EMPLOYERS ARE CHOOSING SOUTH YORKSHIRE

01

South Yorkshire has developed an innovation growth model that works.

Twenty years ago, Orgreave was a disused open-cast mine. It is now home to McLaren, Boeing, Rolls-Royce and many other cutting-edge companies. We know how to build an ecosystem: by committing to investing in a clustering of resources we made the Advanced Manufacturing Innovation District the place for manufacturers to go for research, skills, technology transfer, production, networking and industrial collaboration. What we did for advanced manufacturing, we are now applying to clean energy production, health and well-being, and digital.

02

South Yorkshire lies at the heart of the United Kingdom's geography, markets and infrastructure.

At the centre of the UK power and fibre grids, as well as 2 hours from London, and on the M1, A1(M) and the M18, it is an infrastructure gateway to the North and a gateway to the South. South Yorkshire is a logistics hub, too, with good connections to the Humber Ports by road and rail. iPort in Doncaster has a first-class rail freight facility that handles deep sea containers.

03

South Yorkshire is green, clean and safe, with a low cost of living and a high quality of life.

Low rates of crime, pollution and congestion are a reality. As is ready access to green space and national parks, affordable and aspirational housing, and land for your business and suppliers. Sheffield's two heat networks make it a leader in decarbonising heating, and experiments with mine water are testing how clean heat can be applied to agriculture as well as the built environment.

04

South Yorkshire has two outstanding universities.

The University of Sheffield is ranked 11th in the UK for research 'power', which is a combined measure of quality and size according to the UK's national assessment of research excellence (REF2021). It also ranked in the top 10 nationally for Physics, Engineering, Computer Science, Public Health, Allied Health Professions, Biological Sciences, Built Environment and Business and Management. Sheffield Hallam shares research excellence in architecture, built environment and planning, public health, biological sciences and aeronautical engineering and is a leader in work-based learning offering a wide range of Degree Apprenticeships and technical education. Both provide a tight linkage between higher and technical skills and the business base and support the South Yorkshire Institute of Technology.

05

South Yorkshire has deep pools of talent and digital disruptors.

South Yorkshire has deep pools of talent and digital disruptors. With tens of thousands of jobs in tech, service operations, and students that are keen to stay, there is a ready supply of digital and data skills. South Yorkshire is home to cutting-edge businesses working in areas including artificial intelligence (AI), the Internet of Things (IoT) and technologies to enable net-zero supply chains and industrial operations. The success of companies like Sumo Digital, Twinkl, Powerstar, The Floop, LabLogic Systems and Iceotope demonstrates this is an environment where your business can collaborate with globally competitive tech companies and their employees.

South Yorkshire Strength.

THE ESTABLISHED INNOVATION ECOSYSTEM



SOUTH YORKSHIRE HAS GENUINE COMPARATIVE ADVANTAGES IN GROWTH AREAS

Our research assets put us ahead in accelerating the global roll-out of gene therapy vaccines, designing Small Modular Reactors, testing new Carbon Capture systems, working on technology applications for nuclear fusion, using AI to reduce waste in industrial processes, reducing energy use and automating shopfloor manufacturing, and testing new sustainable aviation fuels. There are many opportunities in these sectors and in the supply chains. The table sets out our unique assets and companies.

Comparative Strength	Assets	Companies
Clean energy production	<ul style="list-style-type: none"> UKAEA Fusion Technology Facility TERC - Translational Energy Research Centre* Nuclear AMRC* 2 heat networks, ready for expansion SMR Centre of Excellence 	<ul style="list-style-type: none"> ITM Power EPSRC Hydrogen Hub 40 MW Battery Energy Storage System in Barnsley Clean Power Hydrogen Group Ltd Faradion Ultimate Battery Company Therco - Serck
Sustainable production – stripping carbon out of manufacturing	<ul style="list-style-type: none"> AMRC - Advanced Manufacturing Research Centre* Royce Discovery Centre* Royce Translational Centre* South Yorkshire Sustainability Centre 	<ul style="list-style-type: none"> FourJaw Ansys Magnomatics
Jet Zero	<ul style="list-style-type: none"> SAF-IC - Sustainable Aviation Fuels Innovation Centre* AMRC - Advanced Manufacturing Research Centre* Boeing 	<ul style="list-style-type: none"> Boeing A3 Advanced Aerospace Howmet Aerospace Rolls-Royce
Health-tech and wellbeing	<ul style="list-style-type: none"> AWRC** NCEFE** NCHTC Health Innovation Campus Digital Health Hub 	<ul style="list-style-type: none"> Canon Medical Abingdon Health B. Braun Medical Ltd Orchid Orthopedic Solutions Swann-Morton Ltd JRI Orthopaedics

Comparative Strength	Assets	Companies
Digitalisation, AI, Robotics	<ul style="list-style-type: none"> Centre for Machine Intelligence* Sheffield Robotics Hub AMRC - Advanced Manufacturing Research Centre* 	<ul style="list-style-type: none"> Amazon Pryor Marking Technology Tribosonics
Engineering	<ul style="list-style-type: none"> The Integrated Civil and Infrastructure Research Centre (ICAIR)* Structural Dynamics Laboratory for Verification and Validation (LVV)* 	<ul style="list-style-type: none"> AGEMASPARK Lontra Alberts Pegler X-Cel Superturn Ltd Doncasters Firth Rixson Metals Mayflower Engineering Ltd Hitachi Rail Geartronics Ltd CW Fletcher
Defence		<ul style="list-style-type: none"> Forgemasters AML Chesterfield Special Cylinders Ltd
Manufacturing – metals and alloys	<ul style="list-style-type: none"> Nuclear AMRC* Royce Discovery Centre* Royce Translational Centre* Focus on forging (Royce, AFRC) 	<ul style="list-style-type: none"> Forgemasters, Forged Solutions Group, Howmet, Liberty, James Durrans & Sons, W Hallam Casting Ltd Gripple, Footprint....
Manufacturing - composites	<ul style="list-style-type: none"> AMRC* 	<ul style="list-style-type: none"> McLaren HAV

*University of Sheffield Research Assets

**Sheffield Hallam University Research Assets



SHI

SHI is a \$14 billion Global IT Solutions & Services provider, including infrastructure, end user computing, cyber security and IT optimisation products and services. Founded in 1989 by Thai Lee, who is still the owner and CEO, SHI has almost 6500 employees across more than 36 locations in the US, Canada, Europe, and Asia Pac. With over 30 years of experience, SHI is uniquely positioned, with the help of unrivalled partner and vendor relationships, to help customers select, deploy and manage technology. SHI's flagship and state of the art configuration & integration centre, recently opened in Barnsley in November 2022.

“It was clear to see that Barnsley had and continues to invest in transforming the area, transforming the lives of both the people who already live and work there, but attracting new investment from organisations, large and small”

In Brief.

WHY YOU SHOULD START, SCALE OR RELOCATE YOUR BUSINESS IN THE SOUTH YORKSHIRE INVESTMENT ZONE



POWER

South Yorkshire is at the centre of the UK power and fibre networks. Our rich industrial history means we have a dense grid, with significant capacity and numerous connections. The Fusion Technology Facility is here for a reason...



TERTIARY SKILLS

63,000 work-ready students, of which over 20,000 are studying STEM. Both universities offer Years in Industry to all undergraduates. Sheffield Hallam requires a minimum of 24 weeks on placement and applied real-world learning for every undergraduate programme.



TECHNICAL SKILLS

A unique mix of skills providers, including the universities, FE Colleges, University Technical Colleges, Sector Based Work Academies and Independent Providers. The Skills Bank programme is a first-in-class skills intervention, co-funding the training your business needs.



ESTABLISHED BUSINESS ECOSYSTEM

Active networks, mentoring, incubation and acceleration space, angel investors, venture capitalists, PE firms. Barnsley has award-winning start-up and support services. Doncaster was voted one of the top five destinations for investment amongst small cities in Europe.



AFFORDABLE PLACES TO LIVE, WORK & LOCATE

Aspirational housing is available, in city centre flats, period blocks, riverside wharfs and the cultural quarter. Family homes are available on the region's rolling hills. All are affordable - the affordability ratio is nearly half the national average, 4.9 compared to 8.3.



THE QUALITY OF LIFE

One third of Sheffield is National Park; three quarters of South Yorkshire is green. Nature, hills and valleys are as accessible as music, bars and bistros. The Crucible, CAST, Glassworks, Forge Island - all urban, all lively, all walkable.



LAND SUPPLY

Between Rotherham and Sheffield, the current land supply has a capacity for 5 years of growth at the present rate and density of development. Our Opportunity Sites in Barnsley and Doncaster are all permitted and ready for development.



TRANSPORT AND ACCESSIBILITY

The Investment Zone is in the centre of the country, with ready access to the road and rail network, and to international gateways. Sheffield is two hours to London, with two trains an hour and Doncaster is 1hr40min with two trains an hour.



SUPPORTIVE POLITICAL AND PLANNING ENVIRONMENT

International investors praise the supportive local environment, with its stable politics and long-term plan. The application for the now renowned McLaren facility took only 5 weeks from submission to determination.



Barnsley College

One of only 14 Further Education Colleges rated by Ofsted as Outstanding. Barnsley College offers learning opportunities to over 5,000 16-18 year olds, 2,500 adults, 650 Higher Education and over 1,600 apprentices. The College lives and breathes its mission of 'Transforming Lives'.

The College benefits from recent capital investment around the Digital Innovation Hub and the soon to open Automotive Technology Centre.

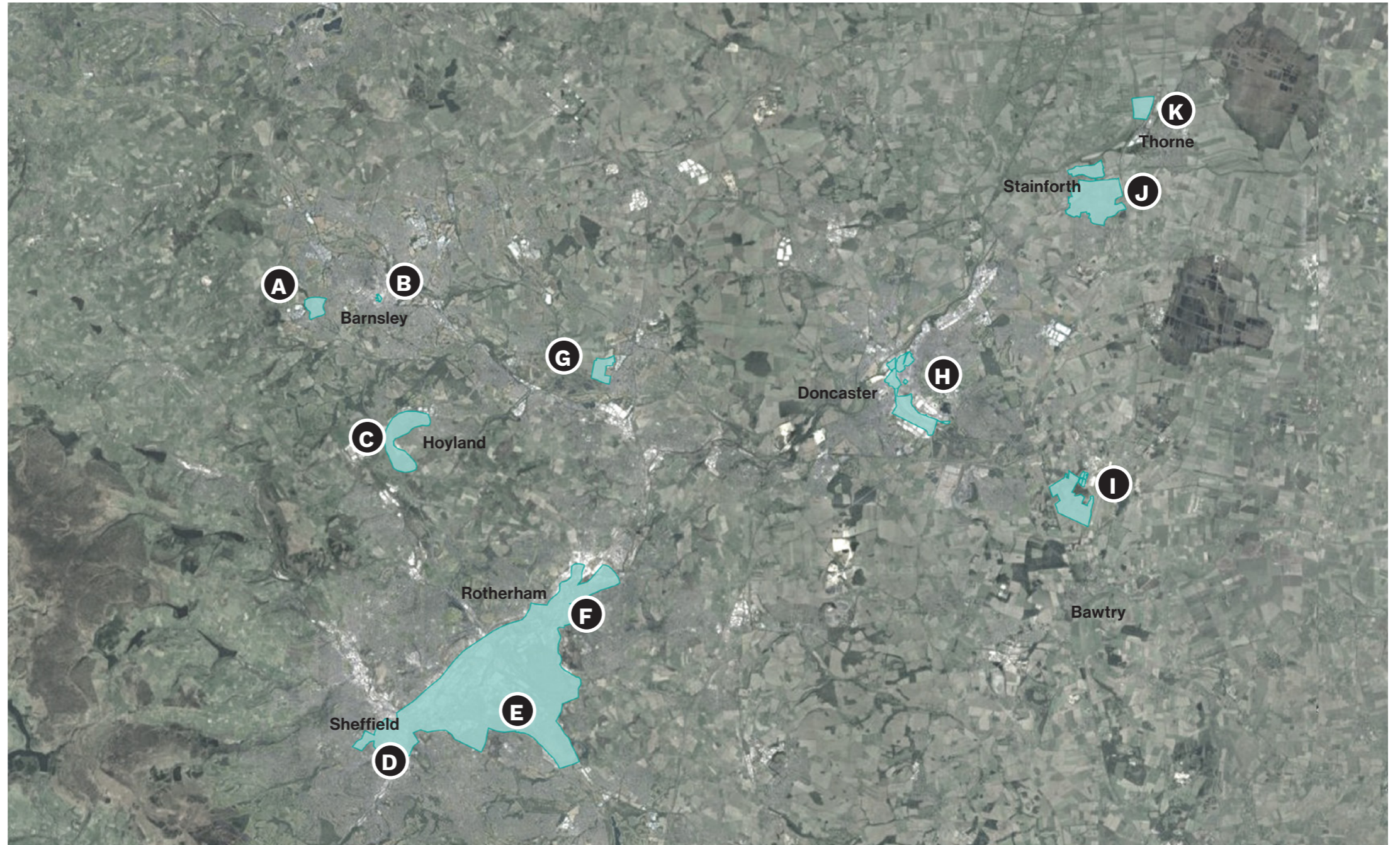
“The partnership working between SYMCA and Barnsley College has led to innovative solutions in delivery of skills for adults across the region and lays the foundation for future innovation around skills, employment and productivity”

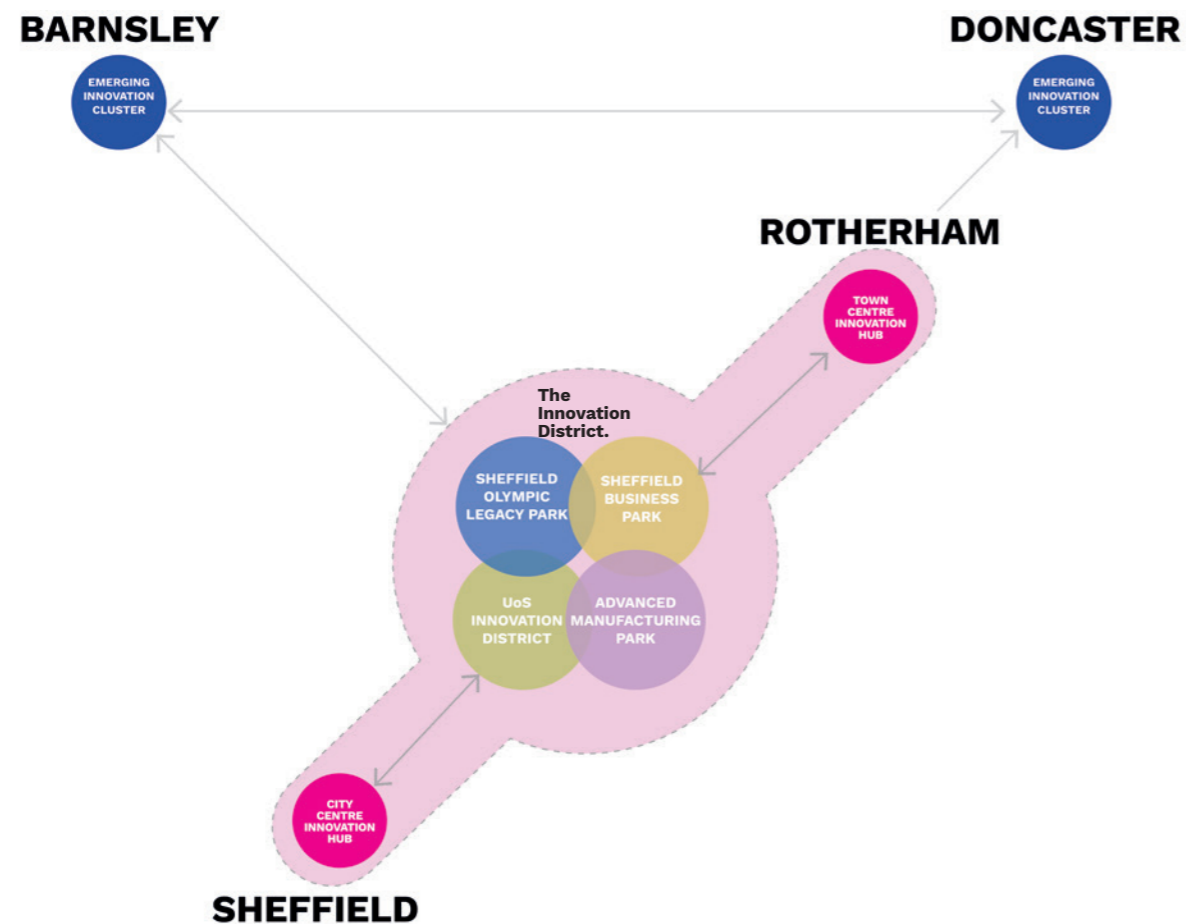
Principal and Chief Executive
David Akeroyd

Projects & Geography.

SOUTH YORKSHIRE INVESTMENT ZONE SITES

- A** M1 J37
- B** THE SEAM
- C** M1 J36
- D** SHEFFIELD CITY CENTRE
- E** THE INNOVATION DISTRICT, SOUTH YORKSHIRE
- F** ROTHERHAM TOWN CENTRE
- G** GOLDTHORPE
- H** DONCASTER CITY CENTRE
- I** GATEWAY EAST
- J** UNITY
- K** DONCASTER NORTH





The South Yorkshire Innovation Ecosystem

The Spatial Core.

The spatial core is situated between Rotherham and Sheffield. The innovation assets that make the cluster and local ecosystem are book-ended by the Town and City Centres, with four innovation campuses between the two. This corridor was the world's first Advanced Manufacturing Innovation District (AMID), with many now seeking to follow the example.

Independent analysis by the Global Institute on Innovation Districts (GIID) in 2020 highlighted the unique nature and high critical mass of the assets in this corridor. The report estimated it was home to 244 private sector organisations directly employing over 3,500 people of which approximately 123 companies were 'knowledge-intensive' and represented 70% of the corridor's job base. They concluded that collaboration between research institutions and industry partners is amongst the strongest that GIID has seen across its membership.

One campus, the Advanced Manufacturing Park, features the clustering and inter-connection of economic assets such as world-class manufacturing brands McLaren and Rolls-Royce, alongside the University of Sheffield Advanced Manufacturing Research Centre (AMRC), the University of Sheffield Nuclear-AMRC and the AMRC Training Centre. This model of research-industry collaboration has driven the agglomeration of technology firms.



TERC

The Translational Energy Research Centre (TERC) is a unique, world-leading pilot-scale research centre, working with industry to test and develop green energy solutions for a decarbonised future. TERC is one of the largest and best-equipped zero-carbon energy research and development facilities in Europe, with expertise and next-generation equipment for research into hydrogen, bioenergy, carbon capture, utilisation and storage and sustainable aviation fuels, as well as renewables and the wider energy system.

TERC helps industrial and academic partners, from start-ups and spin-outs to multi-national organisations, accelerate decarbonisation



The Four Campuses of The Innovation District

A second campus, the Sheffield Olympic Legacy Park with the Advanced Wellbeing Research Centre as its central node, attracting businesses to co-locate and collaborate with academic researchers taking the insights from elite sport generated at the English Institute of Sport and applying them to preventative health care. The creation of an international centre of excellence for child health technology (NCCHT) will focus upon taking services and products from concept to market, using the intellectual property, products and knowledge developed in the centre to generate wealth and employment opportunities and revolutionising children's healthcare, placing the UK as a global leader in child health technology.

When fully delivered, the new OLP development will support a range of research and innovation activities, commercial office, retail and leisure. The OLP has already attracted the co-location of Canon Medical, alongside many other smaller firms and NHS bodies. The National Centre for Food Engineering is located here, providing a critical link between health, nutrition and industry-focused engineering solutions. Both campuses have training centres, providing a pipeline of relevant vocational skills, alongside the degree skills provided by the universities.

A third campus the University of Sheffield Innovation District (USID) development began with the creation of the landmark Factory 2050 in 2015 - a customisable factory using robotics and automation, integrated large volume metrology, digitally assisted assembly and manufacturing informatics. UoS has then used the campus to develop and build a further nine specialist innovation facilities of over 14,500 sq m, including the Translational Energy Research Centre (TERC), a world leading research centre working with industry to test and develop green energy solutions for a decarbonised future, the new Gene Therapy Innovation and Manufacturing Centre (GTIMC), the first of its kind in the north of England, as well as the delivery of Boeing's first manufacturing facility in Europe. UoS has master planned a further 50,000 sq m of development for its own future use for the site and over 83,000 sq m for external organisations and investors to locate.

The Spatial Core.



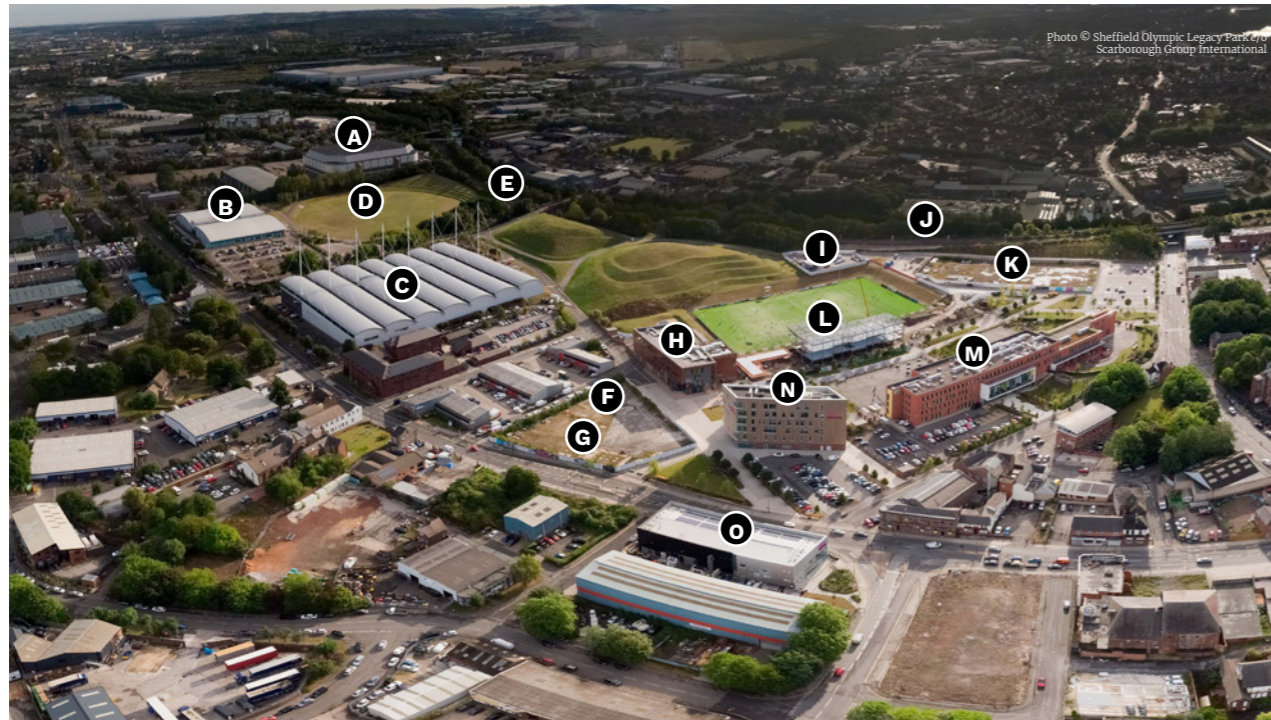
ITM Power

ITM Power is a British manufacturer of polymer electrolyte membrane electrolyzers for hydrogen production via electro-chemical splitting of water into hydrogen and oxygen. It opened its first publicly accessible hydrogen filling station at the Advanced Manufacturing Park (AMP) in September 2015. In 2021, ITM Power moved into a 1GW-per-year electrolyser plant.

“We actually bring the presidents of American universities to Sheffield to show them how it should be done. Sheffield is up there in the top strata of relationships which we cherish”

Former President Boeing UK, now Chair of ITM Power
Sir Roger Bone

Sheffield Olympic Legacy Park.



- | | |
|---|---|
| A Sheffield Arena | K Park Community Arena & Canon Medical Diagnosis Centre (Now Operational) |
| B Ice Sheffield | L Landing Pad & Community Stadium (Now Operational) |
| C English Institute Of Sport Sheffield | M Oasis Academy School |
| D Community Cricket Pitch | N Sheffield Hallam University Advanced Wellbeing Research Centre (AWRC) |
| E Arena / Olympic Legacy Park Tram Stop | <ul style="list-style-type: none"> • AWRC Wellbeing Accelerator • National Centre For Sport & Exercise Medicine |
| F 'Move On' Office Building (Proposed) | O Sheffield Hallam University National Centre Of Excellence For Food Engineering |
| G National Centre For Child Health Technology (NCCHT) (Under Construction) | |
| H University Technical College (UTC) | |
| I Labs (Under Construction) | |
| J Sheffield & Tinsley Canal | |

INNOVATION CAMPUS IN FOCUS

The Sheffield Olympic Legacy Park campus is focused on health and wellbeing and life sciences innovation. The innovation assets are set around a high quality landscaped campus environment. The park is known for its range of sporting facilities such as the English Institute

of Sport Sheffield, Ice Sheffield ice rink and the Utilita Arena. The available plots around these facilities are intended to be developed as innovation-led business facilities alongside Sheffield Hallam University Research and Development centres.

NOW.

CAMPUS AREA:

60_{ha}

R&D Translational Research Centres and Institutions:

- Sheffield Hallam University Advanced Wellbeing Research Centre (AWRC)
- Sheffield Hallam University AWRC Wellbeing Accelerator
- Sheffield Hallam University National Centre for Sport & Exercise Medicine
- Sheffield Hallam University National Centre Of Excellence For Food Engineering

INNOVATION FLOOR SPACE:

52,600_{m²}

- National Centre for Child Health Technology (NCCHT) (under construction)
- English Institute Of Sport
- Canon Medical Diagnosis Centre

THE FUTURE.

PROPOSED ADDITIONAL INNOVATION SPACE:

26,600_{m²}

There are well established plans to further enrich the area, focussed around the innovation hub and community cricket ground. The plans contain ambitious architectural interventions, and some mixed use areas to diversify the offering.

Park Community Arena will be the UK's first sustainable and affordable community based

multi-purpose arena with an integrated Sports Diagnostic and Medical Suite. The project is being led by Canon Medical Systems, a world player in the medical industry, in collaboration with key strategic partners. The project will deliver over 100 direct jobs as well as proving a catalyst for future innovation including AI based medical diagnosis.

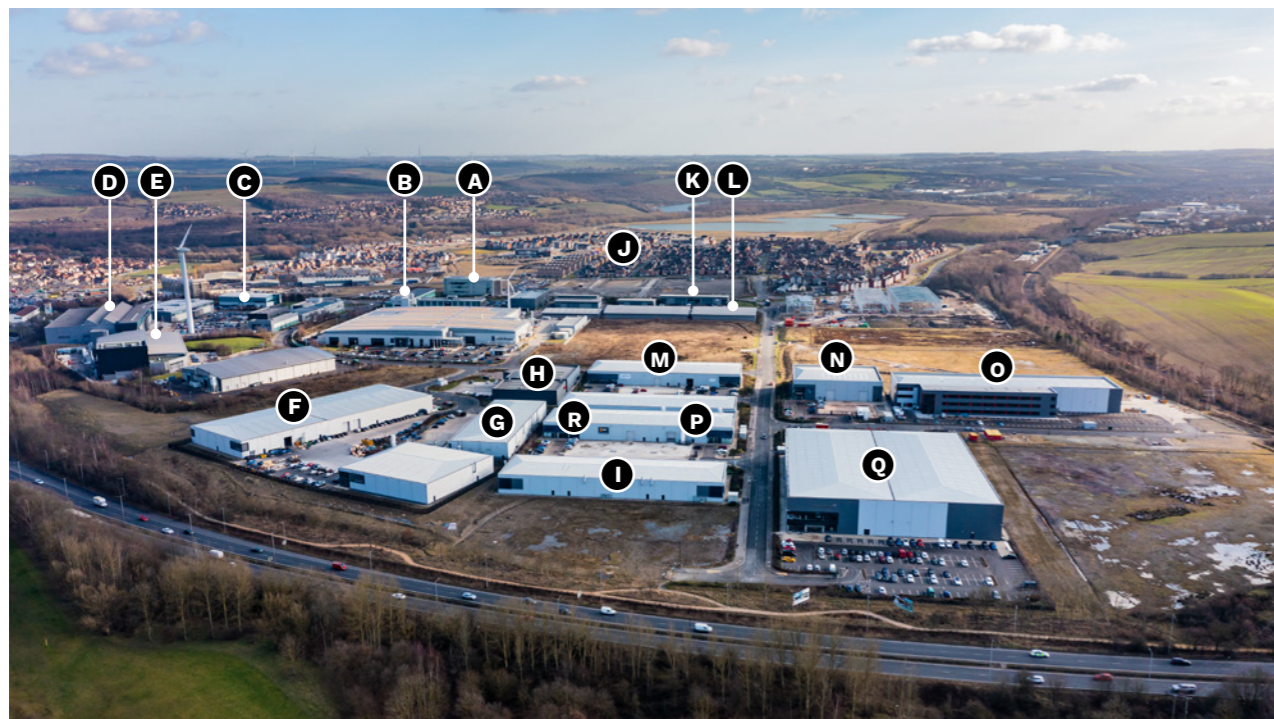
Proposed Innovation-Led Facilities:

- Innovation Centre
- Innovation workspaces
- Labs
- 'Move On' Offices

Proposed facilities to support the innovation ecosystem:

- Active travel hub
- Hotel
- Cafe / Leisure

Advanced Manufacturing Park.



- | | |
|---|---|
| A AMRC Training Centre | J Waverley Residential Development |
| B AMP Technology Centre | K Xeros Technology Group |
| C TWI | L Sarclad |
| D University Of Sheffield / AMRC | M Calibre Scientific |
| E Nuclear AMRC | N UK Atomic Energy Authority |
| F X-Cel Superturn | O SBD |
| G Metalysis | P Bodycote |
| H Nikken | Q McLaren |
| I Spendor | R British Steel |

INNOVATION CAMPUS IN FOCUS

The Advanced Manufacturing Park (AMP) is home to some of the World's biggest manufacturers including Rolls-Royce and McLaren Automotive. Technology developed at the AMP is already being used in leading edge applications including Formula One, defence and commercial aircraft.

The highly successful AMP site has been developed on 150-acres of space that forms part of the wider 740-acre Waverley neighbourhood. Backed by materials research expertise at the University of Sheffield, and other independent research organisations, the AMP has been built on South Yorkshire's established skills, expertise and heritage in advanced manufacturing.

NOW.

CAMPUS AREA:

60_{ha}

AMP Business Community:

- AMP Technology Centre
- X-Cel Group
- Metalysis Ltd
- Nikken Innovation Central Europe
- Spendor Audio Systems
- British Steel
- Bodycote Heat Treatments
- McLaren Automotive
- Sarclad
- Rolls-Royce Advanced Blade Casting Facility
- Xeros Technology Group
- Sandvik Coromant

INNOVATION FLOOR SPACE:

148,500_{m²}

- Calibre Scientific
- SBD Apparel

Translational Research Centres and Institutions:

- AMRC Factory Of The Future
- Nuclear AMRC
- AMRC Castings & Casting Technology International
- TWI Technology Centre
- AMRC Design & Prototyping Centre
- AMRC Knowledge Transfer Centre
- UK Atomic Energy Authority
- AMRC Training Centre

THE FUTURE.

PROPOSED ADDITIONAL INNOVATION SPACE:

46,500_{m²}

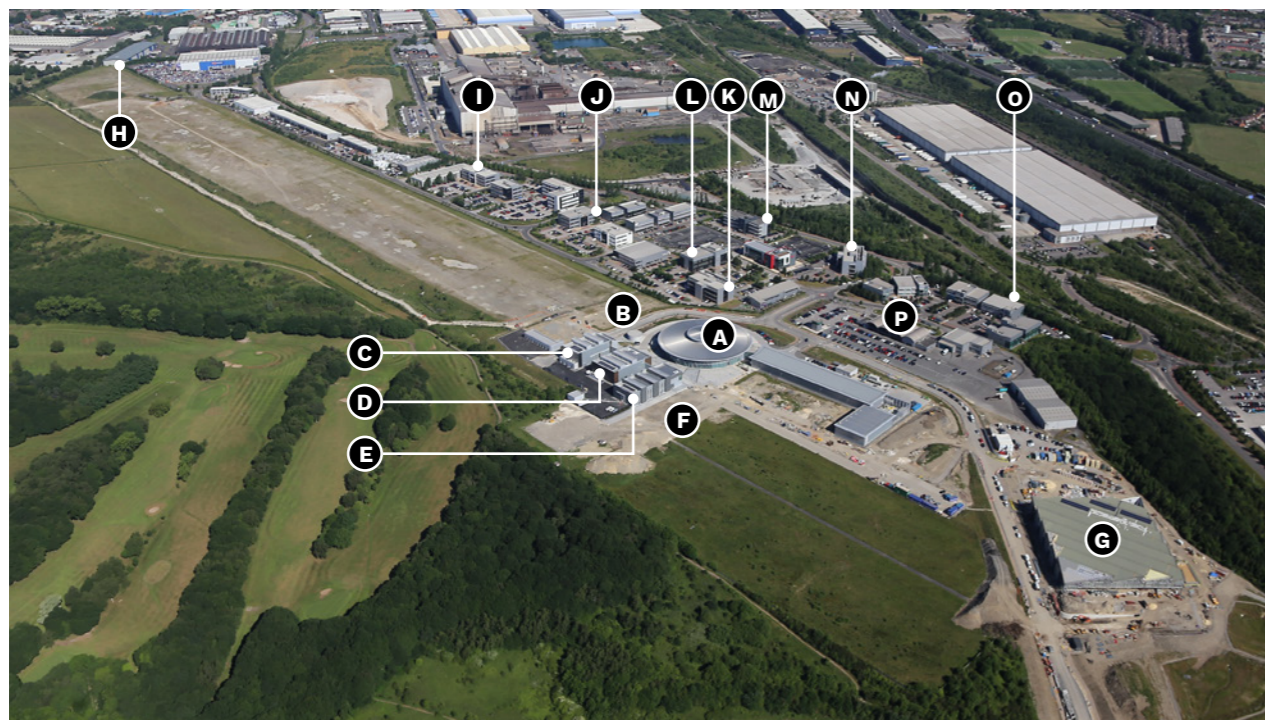
Already established as the heart of Advanced Manufacturing in the UK, it is important that the opportunity to consolidate and support the innovation ecosystem on the campus with strong placemaking is capitalised upon.

HIGH VALUE JOBS TO BE CREATED:

4,000

Publicly accessible shared spaces and communal facilities are under-provided on the campus. The opportunity exists to re-purpose areas of the AMP technology centre into flexible communal facilities.

Sheffield Business Park & University of Sheffield Innovation District.



- A** AMRC Factory 2050
- B** Gene Therapy Innovation Manufacturing Centre (now operational)
- C** Laboratory for Verification & Validation
- D** Royce Translational Centre
- E** ICAIR: The Integrated Civil & Infrastructure Research Centre
- F** Translational Energy Research Centre (now operational)
- G** Boeing
- H** Protec Polycorr
- I** Primetals Technologies
- J** Lablogic Systems
- K** Fulcrum
- L** Ansys
- M** Realise Learning & Employment
- N** Sig Technical Insulation Manufacturing & Building Solutions (National) Ltd
- O** Gleeson
- P** Sheffield Business Centre

INNOVATION CAMPUS IN FOCUS

The USID campus development began with the creation of the landmark Factory 2050 in 2015 - a customisable factory using robotics and automation, integrated large volume metrology, digitally assisted assembly and manufacturing informatics. UoS has then used the campus to develop and build a further nine specialist innovation facilities of over 14,500 sq m, including the Translational Energy Research Centre (TERC), a world leading research centre

working with industry to test and develop green energy solutions for a decarbonised future, the new Gene Therapy Innovation and Manufacturing Centre (GTIMC), the first of its kind in the north of England, as well as the delivery of Boeing's first manufacturing facility in Europe. UoS has master planned a further 50,000 sq m of development for its own future use for the site and over 83,000 sq m for external organisations/investors to locate.

NOW.

CAMPUS AREA:
60_{ha}

INNOVATION FLOOR SPACE:
35,000_{m²}

USID R&D Translational Research Centres and Institutions:

- Factory 2050
- Gene Therapy Innovation Manufacturing Centre
- Laboratory For Verification And Validation
- Royce Translational Centre
- Integrated Civil And Infrastructure Research Centre (ICAIR)
- Translational Energy Research Centre

Sheffield Business Park Business Community:

- Sheffield Business Centre
- Protec Polycorr
- Lablogic Systems
- Primetals Technologies
- Fulcrum
- Gleeson
- Realise Learning And Employment
- Sig Headquarters
- Ansys Uk Ltd
- Building Solutions (National) Ltd

THE FUTURE.

The cleared runway site represents an area of great potential for immediate growth, which could be focussed along the proposed active travel spine - an area that could focus the ambitions and ideals of the innovation district,

PROPOSED ADDITIONAL INNOVATION SPACE:
83,000_{m²}

with people centred design, active frontages and shared spaces.

Illustrative layouts for the SBP & USID campus are shown for available sites as no formal planning proposals have been produced by land owners.



Sheffield City Centre.

INNOVATION IN THE CITY

As England's 5th largest, the Outdoor City is the perfect place to start, scale and relocate your business. Recent announcements about Civil Service relocation and housing catalyst sites underline its ambition to grow. Its seven hills, period stock, vibrant and diverse neighbourhoods such as Kelham Island, are a magnet for talent. With its National Park, its music venues, theatres, restaurants, university campuses and affordable housing, there is no better place to live, work, learn and play.

The city centre is a digital hub with a growing demand for incubation space for Life Science and Deep Tech businesses. The incubators, accelerators, mentors and networks have created an open innovation system which, alongside an expanding venture capital deal flow, has generated the scale-up successes of PlusNet, Sumo, The Floop, Twinkl and others besides.

The UoS is now establishing multiple high-quality spin-out businesses a year in sectors ranging from Life Sciences to Engineering. UoS supports Founders to develop scalable businesses using the outputs from their academic research

and invests £1.5 million a year directly into these opportunities. Additionally, the UoS is one of the three founding universities behind Northern Gritstone, a new venture capital vehicle that has raised £300 million. Northern Gritstone investments are now regularly flowing into South Yorkshire-based firms (including Opteran, Phlux and Iceotope).

Sheffield Hallam is in the top ten of all universities in the country for the overall number of graduates in highly skilled employment or further study. All 350 undergraduate programmes educating 24,000 students have real-world learning embedded at every level, including work experience and placements for every student. Sheffield Hallam also educates more students from low participation neighbourhoods than any other UK university. The University was recognised for being the 2022 Educate North University of the Year, 2021 UK Social Mobility Awards University of the Year, and 2021 Times Higher Education Outstanding Entrepreneurial University of the Year and is currently the Chair of the Civic University Network.

Rotherham Town Centre.

TOWN CENTRE OPPORTUNITY

Rotherham town centre presents a corridor of realised and future growth potential, traditionally geared toward industry and manufacturing that is now unlocking an enhanced and accelerated opportunity to invest and scale a business in an established advanced manufacturing technology hub. Adjacent to the economic assets clustered around the AMP, the zone offers openings for co-location in a rich industry ecosystem of national significance, comprising innovative, successful businesses who are world leaders in their field. A new integrated mainline station will provide strategic rail connections and support the development of a new business district adjacent to the station.

This location includes key advanced manufacturing businesses (such as AESSEAL, AMG Superalloys, MLT advanced, Vector X-Cel Ltd, Trelleborg and Liberty Speciality Steels). Supported through both the Future High Streets Fund, Town Deal and Levelling Up Fund, over a £100m of new investment will revitalise the town. Through this the traditional retail offer is diversifying into complementary leisure and residential uses. A new market, cinema, hotel and restaurants alongside new homes and outstanding public realm will contribute to this vibrant new community.

Opportunity Sites.

We understand that business growth is as much about scale-up and innovation as it is about start-up and invention. That is why the South Yorkshire Investment Zone includes 'Opportunity Sites' – large, allocated sites for business expansion and supply chain development. There are four in Barnsley and four in Doncaster.



Barnsley.

Barnsley is the place of possibilities. For business this means the possibility to grow, invest and innovate in a place where business success is already happening – with award winning business and investment support in place.

Sites at M1 junctions 36 and 37 in Barnsley provide immediate access to the national strategic highway network and have already attracted multi-million pound investments from national and global companies such as Lucy & Yak, Euramax, Evri and SHI International; as well as hosting existing advanced manufacturing and tech companies such as Osborne Technologies and Pitstop Productions.

The development site at Goldthorpe is one of the larger undeveloped allocated sites in the region and is located with fast access to both the M1 and A1(M).

Barnsley's digital cluster has been established

for over fifteen years as a national hub for digital technology and creative businesses. It is a national destination for tech events and business support. Egress – a business which started in 2007 and scaled up in Barnsley – is now a global leader in cybersecurity software. There is a growing value chain which is delivering specialist training to support growth in the sector and a thriving network of over 400 companies, incubators and organisations; all of which make up our digital media and technology ecosystem.

The Seam is Barnsley's Digital Campus, an extension to Barnsley's town centre, creating an urban village on the County Way car park areas. It will transform a network, extending the two DMC buildings and Barnsley College Sci-Tech Digital Hub. It will be a testbed for innovative ideas, supporting the Barnsley economy to grow, with digital and smart tech at the heart of it.



A M1 JUNCTION 37

- Capitol Park & MU1
- Employment floorspace capacity: 114,000m²
- Floorspace in planning (B2&B8): 64,000m²
- Active developer-investor pursuing planning permissions



B M1 JUNCTION 36

- Allocated employment land (undeveloped and in developed): 69ha
- Available commercial property (B2 Manufacturing and B8 Warehousing): 38,000m²
- Further capacity (B2 Manufacturing & B8 Warehousing): 79,500m²
- Further capacity with planning permission (B2 & B8): 34,200m²
- Numerous active developer investors - with developments on site and in planning, including speculative commercial development



C THE SEAM DIGITAL CAMPUS

- Mixed-use innovation campus consisting of active travel hub, high-quality urban housing, commercial floorspace opportunities linked to existing digital innovation assets, new urban public realm, hotel opportunity.
- Outline planning application submitted: 136 dwellings, 1,990m² commercial floorspace



D GOLDTHORPE (ES10)

- Allocated employment land: 73ha
- Active developer-investor
- Towns Fund Commercial Property

Opportunity Sites.



Doncaster.

A HERITAGE OF SPEED

Doncaster, the UK's newest City, is focussed on developing its industry specialisms including Engineering and Manufacturing with specialised areas of rail, future mobility and advanced materials further supporting its economic ambitions. Doncaster has four opportunity sites, including the City Centre with key sites including Waterfront and City Gateway, Unity, Gateway East and Thorne North. Doncaster has a fifth site, Carcroft Common, where Hybrid Air Vehicles will locate their production of the Airship 10 – a breakthrough in clean flight technology.

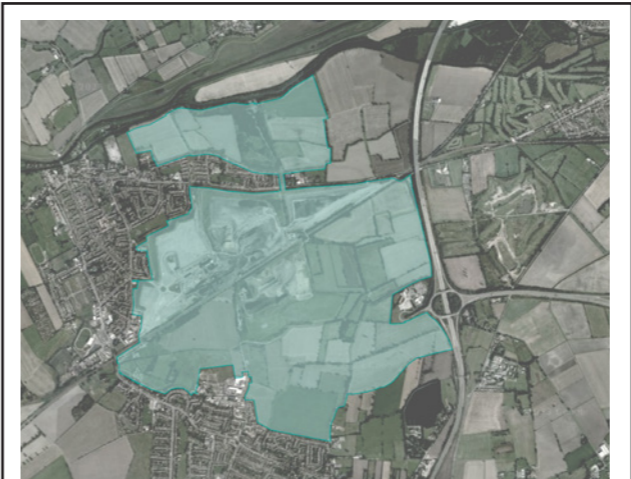
Doncaster has strong existing clusters across various sectors such as Rail including firms such as Hitachi Rail, Unipart Rail and Volker Rail, Advanced Materials, and engineering, attracting exciting new establishment such as Hybrid Air Vehicles. Multiple underdeveloped sites across Doncaster provide potential for acceleration of development through the IZ opportunity.



- A CITY CENTRE CORRIDOR**
- Various Sites: 50ha
 - The City Centre is a recipient of a £24.8m Towns Deal and £18.6m Levelling Up Fund.
 - A proposed Film Studios application is being considered to be located on the Waterfront site.



- B GATEWAY EAST**
- Allocated employment land: 242ha
 - Privately owned but ownership subject to the South Yorkshire Airport City Programme



- C UNITY (M18, J5)**
- Allocated employment land: 428ha
 - Privately owned but support from Business Doncaster on inward investment opportunities.
 - A £21.4m Town Deal was allocated to Stainforth nearby Unity



- D THORNE NORTH (M18, J6)**
- Allocated employment land: 74ha
 - Privately owned but support from Business Doncaster on inward investment opportunities.

The Support Package.

INITIATIVES AVAILABLE FOR INVESTORS

SYIZ will offer you as investors, developers, and partners an extensive and flexible support package. Our region's research specialisms underpin our industrial strengths. You will have a single point of contact in the MCA, with support alongside from a dedicated specialist. They will support your business with local intelligence and insight enabling you to navigate the business ecosystem operating between public, private and research sectors and the social ecosystem of where to live, school and eat out.

Businesses seeking to start, scale and locate in the South Yorkshire Investment Zone will benefit from a mix of interventions in the areas below. Our focus is on building a medium-term strategic relationship.



CAPITAL, INFRASTRUCTURE AND FEASIBILITY

This fund is designed to remove viability gaps that are restricting investment. We will support land remediation, small scale infrastructure improvements and co-investment in productivity, equipment, and resource efficiency measures. This fund will also support the expansion of incubation and wet lab space. It will support investors seeking time-limited specialist resource as well as capital investment.

The feasibility element will support future sector development around SY strengths, such as Small Modular Reactors, and build the case for transport, grid and digital connectivity, where necessary.



PLANNING SYSTEM CAPACITY

South Yorkshire will offer you a fast, supportive and business-minded planning environment that accelerates decision making, unlocks barriers, and provides investor certainty.

- The offer includes:
- A dedicated team of IZ planning officers will provide one-to-one support throughout the planning process.
- Development briefs for all key sites.

Our research capabilities are broad, and our established support packages will create a network for knowledge diffusion and dissemination across various sectors to deliver responses to national challenges.



SKILLS SUPPORT

This will attract and retain the right people and skills to unlock your business potential:

- Co-investment for training programmes through the extension of the South Yorkshire Skills Bank programme.
- Funding to tackle economic inactivity region wide.
- Graduate placements connecting the universities and businesses to transfer the knowledge acquired through the University's R&D activities into the local economy.



SUPPLY CHAIN

This will build the capability and competitiveness of suppliers to access regional, national and global growth markets and OEM supply chains by delivering a regionally intensive, multi-sector programme that raises the performance and output of the established SME base. Activity will bring SMEs together with businesses looking to diversify their supply base, to adapt their offer to respond to new growth opportunities and to diffuse knowledge and skills through the business base.

We will help firms move further up the value chain through provision including:

- Capabilities assessment and innovation readiness review
- Sector specialist diagnostics support.
- Consultancy support to embed changes to working practices and operating processes
- Supporting the development of capacity to exploit of innovative technologies and processes that increase efficiency and move firms up the value chain
- Training grants and small-scale capital investment.



ECOSYSTEM DEVELOPMENT

This will support a more entrepreneurial environment, focussing R&D activity and innovation support to meet the needs of high growth start-up and scaling businesses:

- Building collaborative networks which encourage industrially relevant research and reinforce productive growth through the diffusion of new technologies, the sharing of capital and the pooling of resources to enhance the innovative intensity of firms and supply and value chains
- Scale up support: programme for entrepreneurs and leaders who want to deliver immediate growth into their business.
- Sector specific acceleration, Pre-accelerator / accelerator / business growth programmes focussed on key capabilities, including extending existing accelerator support in key capability areas (advanced wellbeing, Internet of Things, health tech, sports technologies) and introducing new accelerators in areas such as child health, digital manufacturing, forging and forming, sustainable food.

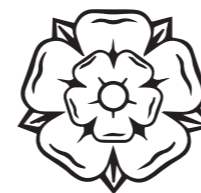
Government will continue to work with SYMCA, the University of Sheffield, Sheffield Hallam University and other local partners to co-develop the plans for their advanced manufacturing-focussed Investment Zone, including agreeing priority development sites and specific interventions to drive cluster growth, over the summer ahead of final confirmation of plans.

Get in Touch.



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