

# THE SOUTH YORKSHIRE TECH 100

*Meet the people and companies driving South Yorkshire's emerging tech ecosystem*

Produced by  TEAM SY

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[weareteamsy.org](http://weareteamsy.org)

# Tech Taking Root in South Yorkshire

## How important is a sense of purpose?

South Yorkshire has excellent emerging tech companies. It has talent and is attracting more, from London and beyond. Specialist niches are forming. In 2022, Sheffield was rated the UK's best city to start up outside of London ([startups.co.uk](https://startups.co.uk)).

And it has world-class assets with global reach, like its excellent universities and world-renowned research centres.

When aligned and combined with the capacity to take full advantage, these ingredients can create incredible opportunities for South Yorkshire's tech ecosystem, workforce, and the broader economy.

In collaboration, TEAM SY (Technology Ecosystem Acceleration and Market-Making South Yorkshire) is seizing this moment, working alongside private sector partners, investors, corporates, local authorities and universities to boost South Yorkshire's tech startup ecosystem.

Together, we need to keep drawing new lines of connection and make existing ones bolder, deepening the flows of capital, expertise, talent, ideas and energy.

The tech startup ecosystem helps ensure that companies reach their full potential. One success breeds others. A thriving firm brings in talent and draws the eye of investors to the region.

The South Yorkshire tech startup ecosystem has never enjoyed better conditions. In 2017, there was one tech accelerator in the region. Now there are many, working across various sectors - for aspiring entrepreneurs with big ideas, for ambitious startups ready to grow, and for those looking to scale and raise significant equity investment.

For homegrown startups, there has never been a better time for an idea to take root and flourish.

For startups in other parts of the UK, South Yorkshire is becoming recognised as a serious contender in a list of places to relocate to.

For those looking to scale, funding for South Yorkshire tech firms has doubled in the last four years.

And for investors, South Yorkshire is a huge opportunity. London and the North of England are roughly equivalent in GDP and the number of active companies.

But around 60% of all Venture Capital (VC) funding goes to founders in London, against 12% to Northern founders (Praetura Ventures).

So for VC firms, there is a real opportunity. By looking beyond their doorstep, they can find hidden value.

Now, there is a moment of tremendous opportunity - and a galvanizing sense of purpose.

Darren Balcombe,  
Deputy CEO at  
Capital Enterprise,  
TEAM SY Lead





“*The clear benefits for a technology-led business, and particularly with a mechanical base, is that the area is profoundly well blessed with large numbers of very strong mechanical engineers. The University of Sheffield and Sheffield Hallam definitely produce that. Yorkshire and its environs are also great places to live. They’re great places to bring up families, and really good for the quality of life.*”

- David Craig, Iceotope






# Why Tech Startups Matter in South Yorkshire

- Startups matter because they are crucial to a thriving economy. Globally, the value they create is almost on par with the GDP of a G7 economy (OECD).
- They matter because they break outmoded business patterns, fix new problems, and are the seeds of tomorrow's global corporations. They are agile and can adapt quickly to changes in the market or new technology.
- They matter because they create high-value, high-productivity jobs. Those jobs retain talented, dynamic people in South Yorkshire and attract more talent from elsewhere. Startups provide job hunters, school leavers and graduates with high quality jobs from which they can build incredible careers.





South Yorkshire needs these jobs. For instance, its graduate retention rate, to take one critical metric, is less strong than many might think.

Sheffield, for example, does not make the UK top 10 for graduates staying where they studied, beaten comfortably by Leeds (39%) and the top city, Glasgow, which retains 51% (Whatuni).

The tech startup ecosystem is vital. When an ecosystem offers high-value, skilled tech jobs, it's less risky for experienced talent to stay or move to the area because there are alternatives if a first role doesn't work out.

And startups matter especially in tough economic times. OECD data suggests that job creation comes disproportionately from new companies during and after economic shocks. Supporting startups is key to restoring economic stability and growth.

They also matter because impact startups, with a mission at their core, drive us towards a fairer, greener world. Orr Vinegold, founder of the Unrest accelerator for impact startups, suggests that 20% of UK impact companies are started in Yorkshire.

So startups matter to South Yorkshire's future.

There is work to do. Yorkshire and the Humber has one of the lower business birth rates in the UK (ONS, Business Demography). In 2020, Sheffield's rate was 39 per 10,000 population; Manchester's was 61; London's was 95.

South Yorkshire's rate is improving – sharply in the case of Doncaster, which doubled its business birth rate between 2010 and 2020. But South Yorkshire hubs still lag well behind Manchester and London in new business creation.

This matters in South Yorkshire because today's business base is not big enough or productive enough to guarantee tomorrow's economic stability and jobs.

So a thriving startup ecosystem is key to a thriving South Yorkshire.

*“Barnsley Council and Barnsley Launchpad have created an ecosystem of tech companies around the area. They are really committed to providing support to tech startups, which means we've not only been able to grow knowing we have support around us, but we can also share best practices with other companies.”*

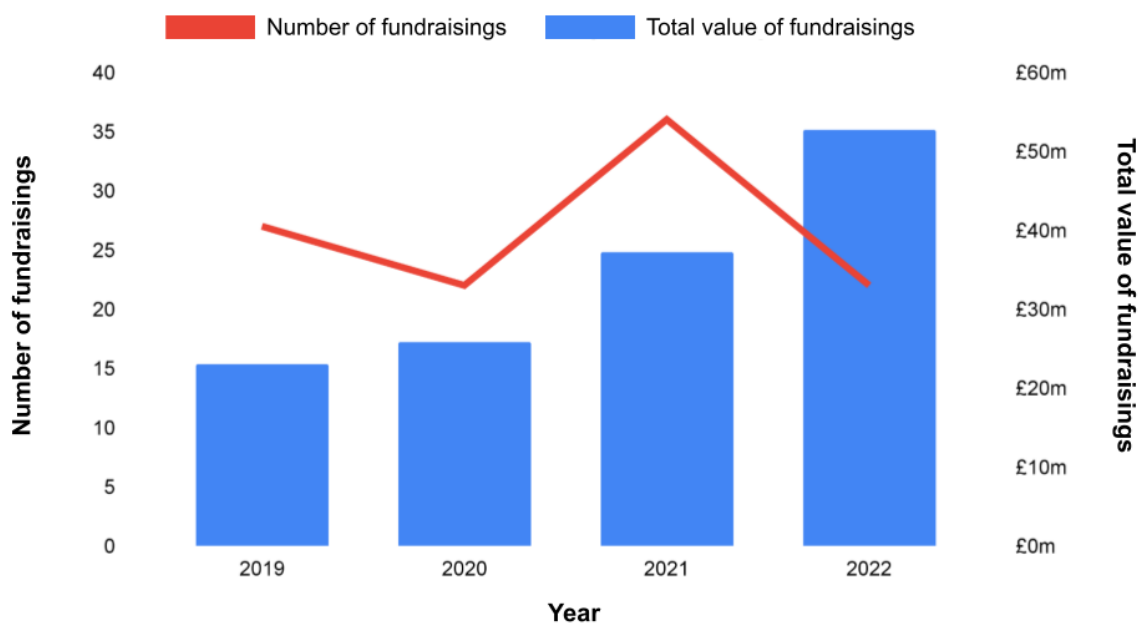
- Dr Noukhez Ahmed,  
Twin Dynamics

# Growing South Yorkshire's Tech Ecosystem: Nurturing the Roots

This is a crucial moment for the tech startup ecosystem in South Yorkshire. It is taking shape but still delicate, promising but not yet fully self-sustaining, and it needs continued nurture. With that, it will keep gaining ground on more established tech centres.

Our most recent snapshot suggests that money invested in the region's tech firms has doubled in four years. So far in 2022, investment in South Yorkshire tech startups - tracked by analysts Beauhurst - has already hit £52m, a record new high, and twice the 2018 figure.

Investment into South Yorkshire Tech Companies <sup>1</sup>



Source: Beauhurst, November 2022

1. Data underlying this chart is comprehensive for announced and unannounced equity fundraisings. Based on 293 fundraisings.

Firms are also securing more significant sums, allowing them to put down stronger roots.

More broadly, investment in Yorkshire and the Humber has spiked. The region has attracted £514m in venture investment so far in 2022, compared with £170m in 2021 and £312m in 2020. London, however, has already attracted £14.6bn this year (Tech Nation).



Analysis of data from Companies House suggests that South Yorkshire is now home to more than 3,000 tech startups: companies born since 2000 that create and deliver technology products and services. More than 400 tech companies have been formed in South Yorkshire already this year, 14% more than in all of 2021, as business birth rates start to rebound following the impact of COVID.

With organisations in almost every sector of the economy digitising and making greater use of technology in their product or service mix, the real number of 'tech-companies' in the region is much higher.

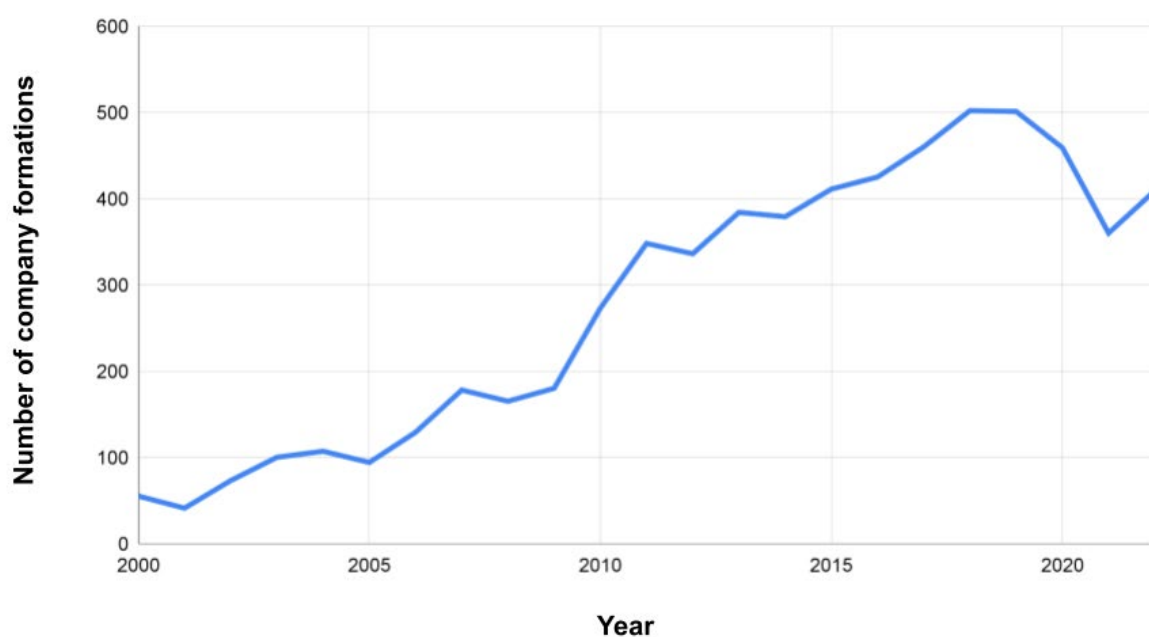
There are stand-out successes. Sheffield is home to one of the North's few tech unicorns with a \$1bn-plus valuation – ITM Power, which provides hydrogen energy solutions. The city is adding tech jobs fast. According to CBRE's 2022 UK Tech Cities report, Sheffield employs more than 14,750 people in information and communication – up 49% since 2015.

The same report suggests that Sheffield has 1,135 tech companies in total. These figures helped the city break into the CBRE's top 10 tech cities outside London for 2022. And Sheffield was Startups.co.uk's 2022 best city outside London to start a tech company, with business support and talent highlighted as being particularly strong.

But despite this, businesses in South Yorkshire still receive a proportionally small amount of investment. 75% of VC money invested in the UK goes to companies in London and the South East (Business Cloud). The same is true for innovation grant funding, with 42% of Innovate UK funding being claimed by businesses in London and the South East since 2004 (GovGrant).

South Yorkshire's tech startup ecosystem is now establishing itself and – like any ecosystem – it needs the right external conditions to continue to produce stand-out tech successes.

### South Yorkshire Tech Company Formations



Source: Companies House, November 2022

# South Yorkshire Tech 100: the region's hottest startups

The South Yorkshire Tech 100 lists the region's hottest startups and scaleups. It includes the most successful tech companies born since the start of 2000 with headquarters in South Yorkshire and emerging startups with tremendous growth potential.

Between them, companies on the South Yorkshire Tech 100 employ almost 4,000 people and have raised more than £720M in funding.

The most populous specialisms include Platforms & Apps, AI, Data & Analytics, BioTech, MedTech & HealthTech, and Specialist Manufacturing. Each of these has at least ten constituents in the list.

## Top 10 South Yorkshire Tech Startups by Funding

Company	Website	Founded	Head Office	Funding
ITM Power	itm-power.com	2004	Sheffield	£350M - £400M
WANDisco	wandisco.com	2005	Sheffield	£100M - £125M
Iceotope	iceotope.com	2013	Rotherham	£60M - £70M
Bumper	bumper.co.uk	2013	Sheffield	£35M - £40M
Magnomatics	magnomatics.com	2006	Sheffield	£15M - £20M
Phasefocus	phasefocus.com	2019	Sheffield	£15M - £20M
The Floow	thefloow.com	2012	Sheffield	£10M - £15M
Rinri Therapeutics	rinri-therapeutics.com	2018	Sheffield	£10M - £15M
Opteran Technologies	opteran.com	2020	Sheffield	£10M - £15M
Powerstar	powerstar.com	2013	Sheffield	£5M - £10M

## Top 10 South Yorkshire Tech Startups by Employees

Company	Website	Founded	Head Office	Employees
Sumo Digital	sumo-digital.com	2003	Sheffield	501-1,000
Twinkl	twinkl.co.uk	2010	Sheffield	201-500
ITM Power	itm-power.com	2004	Sheffield	201-500
WANDisco	wandisco.com	2005	Sheffield	201-500
Powerstar	powerstar.com	2013	Sheffield	51-200
The Floow	thefloow.com	2012	Sheffield	51-200
LabLogic Systems	lablogic.com	2011	Sheffield	51-200
Bumper	bumper.co.uk	2014	Sheffield	51-200
TribePad	tribepad.com	2016	Sheffield	51-200
Iceotope	iceotope.com	2013	Rotherham	51-200



# AgriTech

## Future Greens

Founded: 2022. HQ: Sheffield. Future Greens is an indoor farm which uses less water, fertiliser and space than traditional farms to grow sustainable salad crops. It aims to make fresh, local produce more accessible to all.

[futuregreens.uk](https://futuregreens.uk)

## Grobotic Systems

Founded: 2018. HQ: Sheffield. Grobotic Systems has developed a new class of plant growth chamber for plant science and vertical farming research. [groboticsystems.com](https://groboticsystems.com)

# AI, Data & Analytics

## Airship



Airship's leadership team

Founded: 2002. HQ: Sheffield. Airship is a data-driven CRM and email marketing platform used by hospitality businesses to boost loyalty, visit frequency and revenues. [airship.co.uk](https://airship.co.uk)

## Databowl

Founded: 2014. HQ: Sheffield. Databowl helps companies maximise the value of leads and grow profitably. Clients use its software to remove bad data, deliver good leads and build strong relationships. [databowl.com](https://databowl.com)

## eSales Hub

Founded: 2013. HQ: Doncaster. eSales Hub is an AI-powered lead generation service for companies that want to generate more leads and reduce their media costs with better data.

[esaleshub.co.uk](https://esaleshub.co.uk)

## Exciting Instruments

Founded: 2021. HQ: Sheffield. Exciting Instruments aims to simplify the process of biophysics, life sciences, drug and medical discovery through cloud connectivity data visualisation. [excitinginstruments.com](https://excitinginstruments.com)

## Ferrio

Founded: 2021. HQ: Sheffield. Ferrio helps businesses of any size and tech capability connect their software applications and data, reducing risk and getting insight from all their sources. [onferrio.io](https://onferrio.io)

## FourJaw



FourJaw founders Chris Iveson and Robin Hartley-Willows

Founded: 2020. HQ: Sheffield. FourJaw is a manufacturing analytics platform with plug-and-play machine monitoring to give manufacturers real-time visibility of their factory floors. [fourjaw.com](https://fourjaw.com)

## good to glo

Founded: 2019. HQ: Doncaster. good to glo provides patch-testing software for the beauty industry. It helps salons keep their clients safe, manage their data and remove unnecessary re-testing. [goodtoglo.co.uk](https://goodtoglo.co.uk)

## Mindtech

Founded: 2017. HQ: Sheffield. Mindtech has built a complete platform enabling data scientists to specify, create and curate synthetic datasets for training AI-based vision systems.

[mindtech.global](https://mindtech.global)

## Opteran Technologies



David Rajan, CEO, Opteran Technologies

Founded: 2020. HQ: Sheffield. Opteran is a machine intelligence company taking its cue from nature to achieve something genuinely pioneering.

Most tech organisations use data to inform AI. Opteran is taking a different path, building a modular autonomy platform by reverse-engineering the biological systems of insects onto silicon chips.

Nature has solved autonomy and adaptability over hundreds of millions of years, and Opteran's objective is to enable machines to be as adaptable and autonomous as nature.

Across industry, transport, and the consumer market, Opteran's technology uses natural intelligence to allow machines to make their own decisions, sense what's around them, and navigate.

From flying drones to collision sensors on cars, Opteran hopes to define the next generation of autonomous technology.

The idea of Opteran began at the University of Sheffield, with Professor James Marshall and was inspired by the Human Brain Project to map the brains of insects. This raised over £6m from an EPSRC grant, which funded research into extracting brain function onto silicon. When this was achieved, Opteran was born in 2020.

Since then, it has raised \$15m in seed funding, expanded its team to over 40 people, opened an office in London, and is now commercialising.

While Sheffield remains its headquarters, it will open an office in Boston in the next couple of months. Opteran is looking for further funding from American deep tech companies by 2024.

For more information visit [opteran.com](https://opteran.com)

## OptiRail

Founded: 2015. HQ: Barnsley. OptiRail provides an automatic control system for locomotives - similar to an aircraft autopilot - that reduces energy required for traction by between 10% and 25%. [optirail.co.uk](https://optirail.co.uk)

## The Floow

Founded: 2012. HQ: Sheffield. The Floow is a leader in telematics data management, supporting the motor insurance and automotive industries with analytics to increase engagement and safety. [thefloow.com](https://thefloow.com)



## TrackMyMachines

Founded: 2021. HQ: Rotherham.

TrackMyMachines helps keep machine shops running at top performance by using simple current sensing to show companies what their machines are doing. [trackmymachines.com](https://trackmymachines.com)

## TUBR

Founded: 2020. HQ: Sheffield. TUBR's predictive analytics platform uses machine learning to allow users to make informed actions and predictions from complete and incomplete data sets. [tubr.tech](https://tubr.tech)

## WANDisco

Founded: 2005. HQ: Sheffield. WANDisco delivers cloud data migrations in real time with no business disruption or data loss. It makes petabyte and exabyte-scale data actionable. [wandisco.com](https://wandisco.com)

# BioTech

## Ceramisys

Founded: 2001. HQ: Sheffield. Ceramisys is a leading international manufacturer of synthetic bone graft substitutes with a strong focus on orthopaedic and dental applications. [ceramisys.com](https://ceramisys.com)

## Keapstone Therapeutics

Founded: 2017. HQ: Sheffield. Keapstone Therapeutics is a biotech spin-out company from The University of Sheffield developing drugs for Parkinson's and motor neurone disease.

## MetalloBio

Founded: 2021. HQ: Sheffield. MetalloBio has made the first new antimicrobial compounds to emerge in nearly 40 years. It aims to address the growing issue of antimicrobial resistance. [metallobio.com](https://metallobio.com)

## Modulus Oncology

Founded: 2020. HQ: Sheffield. Modulus Oncology is a spin-out from the University of Sheffield focused on developing innovative new drugs for treating hard-to-treat cancers. [modulusioncology.com](https://modulusioncology.com)

## Phasefocus

Founded: 2019. HQ: Sheffield. Phasefocus provides products powered by a novel form of computational imaging that generates high-contrast quantitative images and microscopy. [phasefocus.com](https://phasefocus.com)

## StemcellIX

Founded: 2016. HQ: Sheffield. StemcellIX is working in the field of stem cells, regenerative medicine, and genetics to develop a treatment for lameness in dogs caused by osteoarthritis. [stemcellix.com](https://stemcellix.com)

## SynGenSys

Founded: 2021. HQ: Sheffield. SynGenSys creates product-specific libraries of synthetic genetic parts for next-generation biomedicines and biomanufacturing processes. [syngensys.com](https://syngensys.com)

## Unicorn Biotechnologies

Founded: 2020. HQ: Sheffield. Unicorn Biotechnologies is developing a next-generation biomanufacturing platform to power cell-based manufacturing, starting with cultivated meat. [unicornb.io](https://unicornb.io)



## Evolutor

Founded: 2022. HQ: Sheffield. Evolutor has developed a suite of technology and microbiology to accelerate the development of commercially viable microbial factories.

[evolutor.bio](https://evolutor.bio)

## Rinri Therapeutics

Founded: 2018. HQ: Sheffield. Rinri Therapeutics is a therapeutic discovery and development company in the field of hearing loss. It was founded on pioneering research into auditory stem cells. [rinri-therapeutics.com](https://rinri-therapeutics.com)

## EdTech

### imoves

Founded: 2010. HQ: Sheffield. imoves aims to get children active every day through an award-winning digital platform that provides teachers with the tools to facilitate activity in a fun way.

[imoves.com](https://imoves.com)

### Natterhub



Natterhub founders Manjit Sareen and Caroline Allams

Founded: 2016. HQ: Sheffield. Natterhub is a gated educational platform for primary schools providing fully assessed lessons and a safe space to practise online safety skills. [natterhub.com](https://natterhub.com)

## Panjango

Founded: 2014. HQ: Sheffield. Panjango is transforming learning through interactive games that link learning to life. Its interactive teaching resources help children to prepare for life after school. [panjango.com](https://panjango.com)

## Tutorful

Founded: 2014. HQ: Sheffield. Tutorful is an online education company helping parents and students across the UK and Ireland find their perfect online tutor. [tutorful.co.uk](https://tutorful.co.uk)

## Twinkl

Founded: 2010. HQ: Sheffield. Twinkl is trusted by teaching communities worldwide and provides access to a complete range of teaching, planning and assessment materials to support learning. [twinkl.co.uk](https://twinkl.co.uk)

## FinTech

### Bumper



The Bumper Team

Founded: 2013. HQ: Sheffield. It's hard to plan for car breakdowns and, when they happen, it can be a costly exercise. Step forwards Bumper, an auto fintech with an innovative car repair financing platform that makes the cost of breakdowns more affordable.

Its core product is an automated buy-now-pay-later platform that allows customers to spread the cost of their car repairs entirely interest-

free. Bumper's AI software is built in-house by developers.

It embeds into the many different payment systems car dealers use, supporting real-time decisioning and online payment with Bumper at every touchpoint.

Bumper also partners with around 50 of the world's biggest OEM brands, including Ford, Nissan, Volkswagen, Harley-Davidson, Audi, and Jaguar Land Rover, which use the payment platform to reduce discounting and price negotiations.

Founded in 2013, in 2021 Bumper was named the eighth fastest-growing fintech in Europe in the 2021 FT1000 rankings. It relocated its HQ to Sheffield this summer.

At the end of 2021, it raised \$12m in Series A funding from Autotech Ventures, Porsche Ventures, and Jaguar Land Rover. That funded its expansion from 20 employees to 75, and accelerated moves into Ireland, Germany, and Spain.

Looking to do a Series B funding round next year, Bumper has plans to hire a development team in Sheffield. Internationally, it has ambitions to expand into every major European market in the next two years.

For more information visit [bumper.co.uk](https://bumper.co.uk)

## Energy Fund

Founded: 2021. HQ: Sheffield. EnergyFund is a crowd-investing platform where people jointly finance renewable energy mini-grid projects providing electricity for rural communities in Africa. [cnergyfund.com](https://cnergyfund.com)

## Mina

Founded: 2018. HQ: Sheffield. Mina's award-winning payment solution for EV charging provides a single invoice for fleet owners, whether vehicles are charged at home, at work or on the road. [mina.co.uk](https://mina.co.uk)

## Gaming

### Peek & Poke

Founded: 2015. HQ: Sheffield. Peek & Poke makes games that help businesses, broadcasters and charities build brands, engage audiences, tell stories and share messages.

[peekandpoke.com](https://peekandpoke.com)

### Sumo Digital

Founded: 2003. HQ: Sheffield. Sumo Digital is one of the UK's largest independent video game developers, creating games for major players such as Microsoft, Sony, Sega and Disney.

[sumo-digital.com](https://sumo-digital.com)

## IoT

### Free Running Buildings

Founded: 2014. HQ: Rotherham. Free Running Buildings offers a range of products to cut emissions and costs, while naturally delivering warm/cool and well-ventilated indoor environments. [freerunningbuildings.com](https://freerunningbuildings.com)

### Ioetec

Founded: 2015. HQ: Sheffield. Ioetec specialises in cyber security for IoT, securely connecting devices to authorised users so data is protected and devices are safe to use. [ioetec.com](https://ioetec.com)



## Peak to Peak Measurement Solutions

Founded: 2018. HQ: Sheffield. Peak to Peak provides integrated sensor systems, measurement services and monitoring solutions to industrial partners worldwide.

[pktopk.co.uk](http://pktopk.co.uk)

## PredicTech

Founded: 2022. HQ: Sheffield. PredicTech's IoT-enabled manufacturing analytics platform monitors machine performance, diagnoses faults and manages incoming jobs to maximise productivity.

## Twin Dynamics



Dr Noukhez Ahmed, MD, Twin Dynamics

Founded: 2017. HQ: Barnsley. Buildings must become more energy efficient if the planet is to reach net-zero targets. The built environment is responsible for almost half of global CO2 emissions, with building operations accounting for 27% of them. This is where Twin Dynamics comes in.

Twin Dynamics' IoT technology tracks the air quality and thermal distribution in spaces within buildings to get a clear picture of where cost and energy savings can be made.

Using digital twin technology - a virtual replication of the asset - it delivers a real-time health report of buildings and offers solutions to reduce the carbon footprint.

Founded in 2017 by Dr Noukhez Ahmed and Dr Shrawasti Sahare, Twin Dynamics combines deep expertise in software development, machine learning, fluid dynamics, and micro fluids.

In 2019, Twin Dynamics received backing from Barnsley's IoT Tribe North accelerator programme to develop digital twin technology that utilises numerical simulation data to create a real-time monitoring tool.

When the pandemic struck, it turned its attention to fighting Covid by monitoring airborne disease transmissions within buildings in real-time. This technology led to Twin Dynamics securing a £92k grant from Innovate UK.

Twin Dynamics is focused creating healthier buildings. It has run a successful commercial pilot with Barnsley Digital Media Centre and is applying for a technology patent.

The startup plans to grow its employee base to double figures and is applying for further investment to achieve this, as well as working towards its broader aims of being at the forefront of net-zero urban living.

For more information visit [twindynamics.co.uk](http://twindynamics.co.uk)

## MedTech & HealthTech

### Active Orbit

Founded: 2020. HQ: Sheffield. Active Orbit is on a mission to get everyone active. Its app tracks active minutes and gives users rewards they can exchange in local shops, businesses and charities. [activeorbit.co.uk](http://activeorbit.co.uk)



## Arquella

Founded: 2018. HQ: Dinnington. Arquella's app-based nurse call system and advanced real-time reporting improve dignity and quality of care for people who need support. [arquella.co.uk](https://arquella.co.uk)

## Champion Health

Founded: 2018. HQ: Sheffield. Champion Health provides a digital platform that helps organisations to understand and improve employee health, morale and wellbeing.

[championhealth.co.uk](https://championhealth.co.uk)

## Elaros

Founded: 2010. HQ: Sheffield. ELAROS is a clinician-created private digital health company with an innovative new way of conducting initial assessments, diagnosis and patient triage.

[elaros.com](https://elaros.com)

## EveryBaby

Founded: 2019. HQ: Sheffield. EveryBaby aims to make preterm diagnosis accessible to all mothers. Its handheld device is an accurate, easy-to-use alternative to transvaginal ultrasound. [every-baby.com](https://every-baby.com)

## Family Phone

Founded: 2021. HQ: Sheffield. Family Phone is a tech company whose video calling app helps people living with dementia maintain their health, independence, and identity.

[familyphone.io](https://familyphone.io)

## Gold Standard Phantoms

Founded: 2014. HQ: Sheffield. Gold Standard Phantoms develops, manufactures and sells specialised test objects, called phantoms, to test the performance of MRI scanners.

[goldstandardphantoms.com](https://goldstandardphantoms.com)

## Juice

Founded: 2015. HQ: Sheffield. Juice and its platform help organisations create healthy and happy workplaces by providing activities and events to meet health and wellbeing goals.

[juicelimited.co.uk](https://juicelimited.co.uk)

## Meetupcall

Founded: 2009. HQ: Doncaster. Meetupcall is a telehealth platform helping organisations that support older or disabled people to facilitate social interaction, create communities and reduce loneliness. [meetupcall.com](https://meetupcall.com)

## SleepCogni

Founded: 2013. HQ: Sheffield. SleepCogni has developed a ground-breaking treatment for insomnia that allows users to control their wind-down process using a unique handheld device.

[sleepcogni.com](https://sleepcogni.com)

## NetZero

### Iceotope



David Craig, CEO, Iceotope

Founded: 2013. HQ: Rotherham. There is a lot of data in the world. So much, in fact, that we're into the realms of numbers that are almost impossible to comprehend: 2.5 quintillion bytes of data was produced every day in 2021.

All of that data has to be stored somewhere, which is why there are over seven million datacentres in the world. And all that data processing creates significant heat, which needs cooling.

The problem? Cooling datacentres consumes vast amounts of energy and water, which has a huge environmental impact.

Iceotope has an answer to these issues: its innovative liquid cooling solutions use less water and energy, produce fewer CO2 emissions, and cost less than conventional cooling.

It has proved hugely successful. Iceotope has relationships with some of the world's biggest cloud-computing companies, as well as technology giants such as Intel, HPE, AMD, and Lenovo.

Founded in 2005, Iceotope achieved lift-off in 2015 with a round of funding from institutional investors.

Since then, it has had several injections of funding, with the latest round of £30m in June 2022. This brought in an international investor base and a major strategic partner, opening up a gateway to Singapore and expanding its footprint in the US.

In the last 12 months, Iceotope has added around ten new employees, taking its workforce to just under 60 people.

With ambitions to create the next British unicorn in the next five years, it has recently taken the lease of another large office space at its AMRC HQ as it scales up recruitment in research and development.

For more information visit [iceotope.com](https://iceotope.com)

## CrownCruiser

Founded: 2018. HQ: Sheffield. CrownCruiser designs and manufactures urban electric transport, including a carbon fibre e-bike capable of 31 mph and up to 100 miles on a single charge. [crowncruiser.bike](https://crowncruiser.bike)

## ITM Power

Founded: 2004. HQ: Sheffield. ITM Power designs and manufactures green hydrogen generation systems. It was the first hydrogen related company to be listed on the London Stock Exchange. [itm-power.com](https://itm-power.com)

## Mobile Power

Founded: 2013. HQ: Sheffield. Mobile Power provides clean energy for homes, businesses and electric transport in sub-Saharan Africa through innovative and affordable solar-power solutions. [mobilepower.co](https://mobilepower.co)

## Perlemax

Founded: 2010. HQ: Sheffield. Perlemax is developing microbubble technologies which can deliver significant energy savings in wastewater treatment by improving oxygen transfer. [perlemax.com](https://perlemax.com)

## Powerstar

Founded: 2013. HQ: Sheffield. Powerstar designs and manufactures cutting-edge energy technologies to protect operations from power disruption and make energy more affordable and sustainable. [powerstar.com](https://powerstar.com)

## Watflo

Founded: 2015. HQ: Doncaster. Watflo manufactures innovative water-saving products to enable people to spend less on their water bills and reduce unnecessary water consumption. [watflo.com](https://watflo.com)



# Platforms & Apps

## Adv8

Founded: 2018. HQ: Sheffield. ADV8 is a dedicated review and customer feedback platform for the legal sector, making it easy for people to find and compare providers of legal services. [adv8.co.uk](https://adv8.co.uk)

## AirSupply

Founded: 2017. HQ: Sheffield. AirSupply matches supply teachers with schools instantly and cuts the cost of making those connections, saving schools money and enabling teachers to earn more. [airsupply.org.uk](https://airsupply.org.uk)

## Fomova

Founded: 2021. HQ: Sheffield. Formova is a fully-customisable community platform that helps organisations to grow organically and increase engagement with their audiences. [fomova.com](https://fomova.com)

## IN-PART

Founded: 2012. HQ: Sheffield. IN-PART helps science benefit society, unlocking innovation from research by connecting academia and industry through an online matchmaking platform. [in-part.com](https://in-part.com)

## Kycker

Founded: 2016. HQ: Sheffield. Kycker is a platform for independent artists to release their music to major online stores and streaming platforms and collect performance royalties, all for free. [kycker.net](https://kycker.net)

## lifeprint.fit

Founded: 2019. HQ: Sheffield. lifeprint.fit is building a platform and app to support self-mastery, wellbeing, personal growth and peak-performance for individuals and teams. [lifeprint.fit](https://lifeprint.fit)

## myhrtoolkit

Founded: 2005. HQ: Sheffield. myhrtoolkit's software helps over 1,250 small to medium-sized businesses manage employees' holiday requests, absences, appraisals, reports and documents. [myhrtoolkit.com](https://myhrtoolkit.com)

## Papermill

Founded: 2018. HQ: Sheffield. Papermill is an easy way to create perfect documents. The app, which is backed by TwinklHive, streamlines document writing, reviewing and presentation. [papermill.io](https://papermill.io)

## Parent List



Chloe Lowe, founder of Parent List

Founded: 2020. HQ: Sheffield. Parent List helps manage the mental load of parenting. It's a web-based app featuring 100+ ready-made checklists to reduce stress, save time and gain headspace. [parentlist.app](https://parentlist.app)

## Positive Transition

Founded: 2019. HQ: Sheffield. Positive Transition helps families leaving the armed forces transition to civilian life, delivering employment support and housing, finance, education and health information digitally. [plus-t.co.uk](https://plus-t.co.uk)



## Samdai

Founded: 2019. HQ: Sheffield. Samdai aims to become the go-to platform for people wanting entertainment in Sheffield. Members get discounts, club tickets and entry to local events.

[samdai.co.uk](https://samdai.co.uk)

## Shreem

Founded: 2019. HQ: Sheffield. Shreem's platform brings together creative communities, supports collaboration, and enables young people to gain experience in their chosen field. [theshreem.co](https://theshreem.co)

## Shuttout

Founded: 2016. HQ: Rotherham. Shuttout is a community of people passionate about photography. It inspires and challenges people to improve their photography skills through social contests. [shuttout.com](https://shuttout.com)

## The Build Chain



The Build Chain Team

Founded: 2020. HQ: Doncaster. When it comes to its processes, the construction industry is traditional with a capital T. However, The Build Chain - which is based in Doncaster - plans to change that by digitising and centralising the procurement process.

The Build Chain's unique platform will connect contractors, suppliers, and manufacturers to simplify the procurement process. When a

contractor has a job, the platform connects them with local suppliers to keep costs down when hiring equipment and buying materials.

The result? A platform that removes inefficiencies, reduces unnecessary touchpoints in the supply chain, and delivers data-led insights.

Not only that, but reducing distances between sites and suppliers helps users meet net-zero targets.

The Build Chain was founded by two digital marketers, Matthew McClune and Neil Sheldon. Weeks before the pandemic hit, they got together to talk about a platform that could revolutionise the industry.

In March 2021, McClune and Sheldon went full-time after raising a pre-seed funding round. With the pandemic opening eyes to what can be achieved in a more digital world, The Build Chain's development proved very timely. To date it has raised more than £600k in funding.

The company is onboarding suppliers and plans to go live in early 2023.

For more information visit [thebuildchain.co.uk](https://thebuildchain.co.uk)

## TribePad

Founded: 2016. HQ: Sheffield. Tribepad is a recruitment software provider serving some of the UK's best-known organisations. Its platform makes finding, assessing, hiring and onboarding people easier. [tribepad.com](https://tribepad.com)

## Software

### Aegiq

Founded: 2019. HQ: Sheffield. Aegiq is building a new generation of networking and computing technologies based on a pioneering single-photon and integrated quantum optics platform. [aegiq.com](https://aegiq.com)

### BOW (formerly Cyberselves)

Founded: 2020. HQ: Sheffield. BOW develops software that makes it easier to control and programme robots. Its Teleport app allows people to experience the world in a robot's body. [cyberselves.com](https://cyberselves.com)

### LabLogic Systems

Founded: 2011. HQ: Sheffield. LabLogic Systems manufactures instrumentation and software for the life science, PET and nuclear medicine, and radiation safety sectors. [lablogic.com](https://lablogic.com)

## Specialist Engineering

### LimitState

Founded: 2006. HQ: Sheffield. LimitState develops analysis and design software for engineers to evaluate the safety of bodies and structures and develop designs for new ones. [limitstate.com](https://limitstate.com)

### Magnomatics

Founded: 2006. HQ: Sheffield. Magnomatics is a spin-out from the University of Sheffield developing and manufacturing motors and generators based on highly-efficient magnetic gear technology. [magnomatics.com](https://magnomatics.com)

## Productive Machines

Founded: 2019. HQ: Rotherham. Productive Machines delivers insight into the machining process to overcome process problems such as poor surface finish, low dimensional accuracy and instability. [productivemachines.co.uk](https://productivemachines.co.uk)

## Specialist Manufacturing

### Chase Research Cryogenics

Founded: 2003. HQ: Sheffield. Chase Research Cryogenics designs and manufactures sub-Kelvin sorption cooler systems for a wide and growing range of scientific and engineering fields. [chasecryogenics.com](https://chasecryogenics.com)

### Fyous

Founded 2020. HQ: Sheffield. Fyous has developed a revolutionary footwear concept. It produces bespoke footwear that is uniquely fitted using a smartphone scanning tool and a novel manufacturing process. [fyous.com](https://fyous.com)

### Ossila

Founded: 2009. HQ: Sheffield. Ossila provides the international scientific community with materials and equipment for fabricating and testing high-performance research devices. [ossila.com](https://ossila.com)

### Pimoroni

Founded: 2012. HQ: Sheffield. Pimoroni is one of the best-known manufacturers and suppliers of educational, industrial, and hobbyist electronics in the UK, with over 100 distributors worldwide. [pimoroni.com](https://pimoroni.com)



## Rivelin Robotics

Founded: 2018. HQ: Sheffield. Rivelin Robotics reduces the burden of post-processing in near-net-shape metal manufacturing by supporting automation for metal additive manufacturing tasks. [rivelinrobotics.com](https://rivelinrobotics.com)

## Conductive Transfers

Founded: 2017. HQ: Barnsley. Conductive Transfers has developed a process to screen print stretchable, washable circuits cost-effectively, making them perfect for wearable applications. [conductive-transfers.com](https://conductive-transfers.com)

## EpiPix

Founded: 2020. HQ: Sheffield. EpiPix is a University of Sheffield spin-out commercialising game-changing micro-LED technology for photonics applications such as displays and virtual reality. [epipix.sites.sheffield.ac.uk](https://epipix.sites.sheffield.ac.uk)

## Optrical

Founded: 2016. HQ: Rotherham. Optrical develops and manufactures advanced micro-optic film products, primarily for product authentication and LED light management. [optrical.com](https://optrical.com)

## PECM Systems

Founded: 2011. HQ: Barnsley. PECM Systems manufactures electro chemical and electro discharge machines for aerospace, medical, bio-pharma and precision tooling customers globally. [pecmsystems.co.uk](https://pecmsystems.co.uk)

## REFLO

Founded: 2021. HQ: Doncaster. REFLO creates clothing from advanced technical fabrics woven from recycled waste, such as single-use plastic and coffee beans. [reflo.com](https://reflo.com)

## VitriTech

Founded: 2010. HQ: Rotherham. VitriTech develops and manufactures speciality glass products for customers involved in oil and gas, tunnelling, medical and marine activities. [vitritech.co.uk](https://vitritech.co.uk)

## SportTech

### Beingwell

Founded: 2017. HQ: Sheffield. Beingwell's workplace wellbeing platform enables organisations to support employees with products that enhance physical, emotional, and family wellbeing. [beingwellfamily.com](https://beingwellfamily.com)

### Coordinate Sport

Founded: 2016. HQ: Sheffield. Coordinate Sport is a platform with tools and functions to help high-performing coaching providers save time and money and grow their businesses. [coordinate.cloud](https://coordinate.cloud)

### Sport:80

Founded: 2013. HQ: Sheffield. Sport:80 designs, delivers and supports technologies that enable the growth of sport. Its platform is trusted by more than 60 governing bodies and sports organisations. [sport80.com](https://sport80.com)

### Uropanet

Founded: 2015. HQ: Sheffield. Uropanet's SportReTiNA product aims to democratise the use of video technology in tennis at all levels to improve players' performance and increase participation and revenue. [sportretina.com](https://sportretina.com)



# Tech for Good

## GoodThing

Founded: 2021. HQ: Sheffield. GoodThing is a new volunteering platform which aims to help charities recognise and reward their volunteers by offering a range of benefits.

[goodthing.org.uk](https://goodthing.org.uk)

## Tickets for Good

Founded: 2019. HQ: Sheffield. Tickets for Good is an open ticketing platform that supports ticket donations, fills seats at live events and allows buyers to give to charity with each sale.

[ticketsforgood.org](https://ticketsforgood.org)

## Other

### Phlux Technology



Team Phlux

Founded: 2020. HQ: Sheffield. Phlux is developing high-performance infrared sensors that will dramatically improve the performance of laser rangefinder, LIDAR, fibre sensing and imaging systems. [phluxtechnology.com](https://phluxtechnology.com)

## Sitehop

Founded: 2021. HQ: Sheffield. Sitehop is a cybersecurity technology company developing and supplying FPGA hardware-enforced cyber security solutions for companies requiring the highest level of security available.

[sitehop.co.uk](https://sitehop.co.uk) **sureCore**

Founded: 2011. HQ: Sheffield. sureCore delivers innovative low-power memory solutions that empower designers to meet their aggressive power budgets. [sure-core.com](https://sure-core.com)

## Sheffield Tribology Services

Founded: 2010. HQ: Sheffield. Sheffield Tribology Services is designing the first portable railhead tribometer, an instrument that measures friction and wear, for widespread rail industry adoption. [sheffieldtribologyservices.com](https://sheffieldtribologyservices.com)

Methodology: The South Yorkshire Tech 100 was curated using insight from Beauhurst, Team SY and public data sources such as Companies House. Employment numbers for the top 10 table were sourced from company pages on LinkedIn.

# South Yorkshire tech specialisms: key sectors in which startups are thriving

## Manufacturing and IoT

*South Yorkshire's heritage in advanced manufacturing has blossomed into a growing speciality in high-tech engineering and IoT (Internet of Things) startups.*

In Barnsley, the IoT Engine pre-accelerator is helping startups validate their business concepts, build early versions of their IoT products, and generate sufficient sales to become established.

Binary Forge is a particularly notable example. It develops large-scale enterprise IoT solutions, helping high street chains manage their lighting better, for instance. Founder Glenn Pugh says, "We were blown away when we saw the Maker Lab at Barnsley Digital Media Centre. We plan to make good use of that to test out new ideas and create prototypes for more IoT solutions."

The IoT Tribe accelerator, with its DECARBONISE SY Programme, aims at scaling up IoT technologies to drive the decarbonisation of cities, industries and supply chains.

NetZero technologies are well represented in South Yorkshire.

In Sheffield, Mina's multi-award-winning payment solution for EV charging is the UK's only platform which allows fleet and business electric vehicles to charge at home, work and on the road, resulting in a single monthly invoice for

the business. The firm is valued at over £6m.

Also in Sheffield, FourJaw is a startup producing highly affordable "Fitbits for manufacturers". With FourJaw's technology and analytics, companies can gauge how hard their machines are working in order to optimise performance. Its online dashboard allows users to track all these metrics, see what's going and compare machines by machine.

Rotherham and the Advanced Manufacturing Research Centre are also key to the ecosystem. For instance, Productive Machines is thriving by using advanced analytics to improve the machining process.


## EdTech

*The EdTech cluster is now well established in Sheffield, making it a nationally significant hotspot.*

According to Sheffield Digital, the city's digital industries association, over 60% of the UK's digital teaching resources are managed from Sheffield (Sheff Digital). Researchers Tracxn suggest there are 25 notable EdTech startups in the city, which is fourth in the list of UK cities with the highest number of EdTech HQs (RS Components).

The pull of this cluster was shown last year when TES Resources moved a significant portion of its operations from London. The learning-resources





specialist, originally spun out of the Times Education Supplement, was drawn by the talent pool and competitive cost base. Its city-centre premises have room for 200 staff.

Among homegrown successes, Twinkl was born in the back bedroom of a Sheffield house in 2010 and has become a global leader in online educational resources. It employs more than 500 people worldwide.

Tutorful is another Sheffield startup success story. Founded to connect students and home tutors, it has enabled more than a million lessons through its platform and is the UK market leader.

Supported by Twinkl's accelerator TwinklHive, Natterhub is growing fast by teaching children to be safe and kind digital citizens.

At the other end of the educational journey, IN-PART is helping firms start meaningful conversations with academics that help turn research into impact.

"There's now a very substantial cluster of EdTech firms and practitioners, start-ups and agencies based here", says Chris Dymond, director of Sheffield Digital.

## Health and Wellbeing Tech

*South Yorkshire has one of the UK's most significant clusters of orthopaedic and medical-device innovators.*

The aim of the Sheffield Olympic Legacy Park – the only one worldwide outside an Olympic Games host city – is to be the home of world-class innovation in sport, health and wellbeing.

A new CEO – Dr Chris Low – was appointed in 2021 to drive the development of a health and wellbeing research ecosystem and further build R&D capacity. It aims to attract and support global health and wellbeing companies to invest and co-locate in the park.

The park is also home to Sheffield Hallam University's Advanced Wellbeing Research Centre (AWRC), an accelerator designed to facilitate and foster health and wellbeing innovations.

The Sheffield universities offer access to world-leading research, and startups are proliferating in this field, especially those tackling serious problems in wellbeing.

For instance, Sheffield's SleepCogni offers a new solution to the huge worldwide problem of insomnia and poor sleep. It has recently raised capital to enter the US market – where it is estimated that insomnia costs the economy more than \$63bn a year.

A cluster of firms is working on communication for wellbeing. To take just one example, Familyphone is making video calling and emergency alerts simple for people living with dementia, who are especially at risk of isolation and harm.

The health cluster is also attracting relocating startups. Gold Standard Phantoms chose South Yorkshire despite being a spin-out from University College London's Institute of Neurology. It is developing, marketing and selling calibration services for medical scanners.

The new P4SY accelerator is driving further growth.

The South Yorkshire arm of the highly successful P4 accelerator, it seeks the world's leading precision medicine startups. It gives them a soft landing and scale-up support. P4SY is already supporting firms bubbling under the top 100, like Holly Health (a digital coach to support behaviour change) and Medwise (giving instant primary care answers from reliable sources).

## Gaming

*Sales of video games now make up more than half of the UK's entertainment market, according to the Entertainment Retailers Association.*

The industry was worth £7.1bn in 2021 – almost four times its value in 2007.

This makes it bigger than music and video combined.

South Yorkshire is capitalising on this growth and its history in the field to develop a flourishing gaming ecosystem.

It is a sector in which Sheffield and South Yorkshire have a proud tradition. In the 1980s, Gremlin Graphics was a key player in the 8-bit market, growing out of Just Micro, an independent retailer that appeared in Sheffield in 1983. Gremlin grew out of the creative talent of the teenagers who came into the shop. This heritage was recognised with Sheffield being chosen to house The National Videogame Museum.

Indielab South Yorkshire Games Accelerator is a ground-breaking accelerator programme designed to build on this heritage, and drive growth and success for games studios.

The giant in the local area is Sumo Digital, a firm founded by Gremlin management, which was bought in January 2022 by Tencent, among the largest gaming companies in the world, for £919m.

Rising investment makes this a boom sector. There are 16 gaming firms in South Yorkshire and several games design programmes at Sheffield Hallam's Department of Media and Arts and Communication.

## Social impact startups

*Sheffield is one of only four major conurbations in the UK to be an official Social Enterprise City.*

This recognises its significant social enterprise activity and established social enterprise stakeholder group.

Unrest – a successful accelerator for impact firms – chose South Yorkshire for its first hub outside of London, with its first cohort beginning in September 2022.



The region has a long history of social enterprise activity and is home to social enterprises operating in tech. Sheffield Live runs the city's community radio and television stations; Sheffield Renewables fund, build, own and operate renewable energy schemes.

Startups such as Tickets For Good and Future Greens have joined these more established social enterprises.

Tickets For Good helps venues and promoters to maximise their charitable efforts and positive social impact through free tickets and live entertainment. Promoters gain local, regional and national exposure through 'good cause' marketing.

Future Greens is a Sheffield-based indoor farm growing salad in an innovative way that is good for people and the planet.

Social enterprise has always been woven into the entrepreneurial culture of South Yorkshire, and forms part of the regional identity. The increase of mission driven impact firms in this area shows that social impact and high growth are not mutually exclusive.

*"We're delighted we chose Sheffield for our HQ and we're looking forward to continuing to grow there. It's really well connected, it's a brilliant place to live, and the universities are top-class for tech companies looking to hire talent."*

- James Jackson, Bumper



# Who's there to help?

## Assets, support and initiatives fuelling tech startup growth

*David Craig is CEO of Iceotope – one of the region's most successful startups, which secured £30m in its last funding round, said "If you want to scale Everest, you need a Sherpa Tenzing."*

He was referring to how Iceotope works with its customers, which include some of the biggest cloud companies in the world. The quote is relevant to the tech startup journey.

If you go solo, you might make it, but the chances are much slimmer than if you have support. And if you go with a full expedition team your chances are the best they can be.

Startups need support, which was what TEAM SY was set up to coordinate.

We started by listening, and four issues became clear. The region lacked:

1. A critical mass of tech startups
2. A coherent, mature startup ecosystem
3. Startup acceleration programmes
4. Investor activity and a funding ecosystem





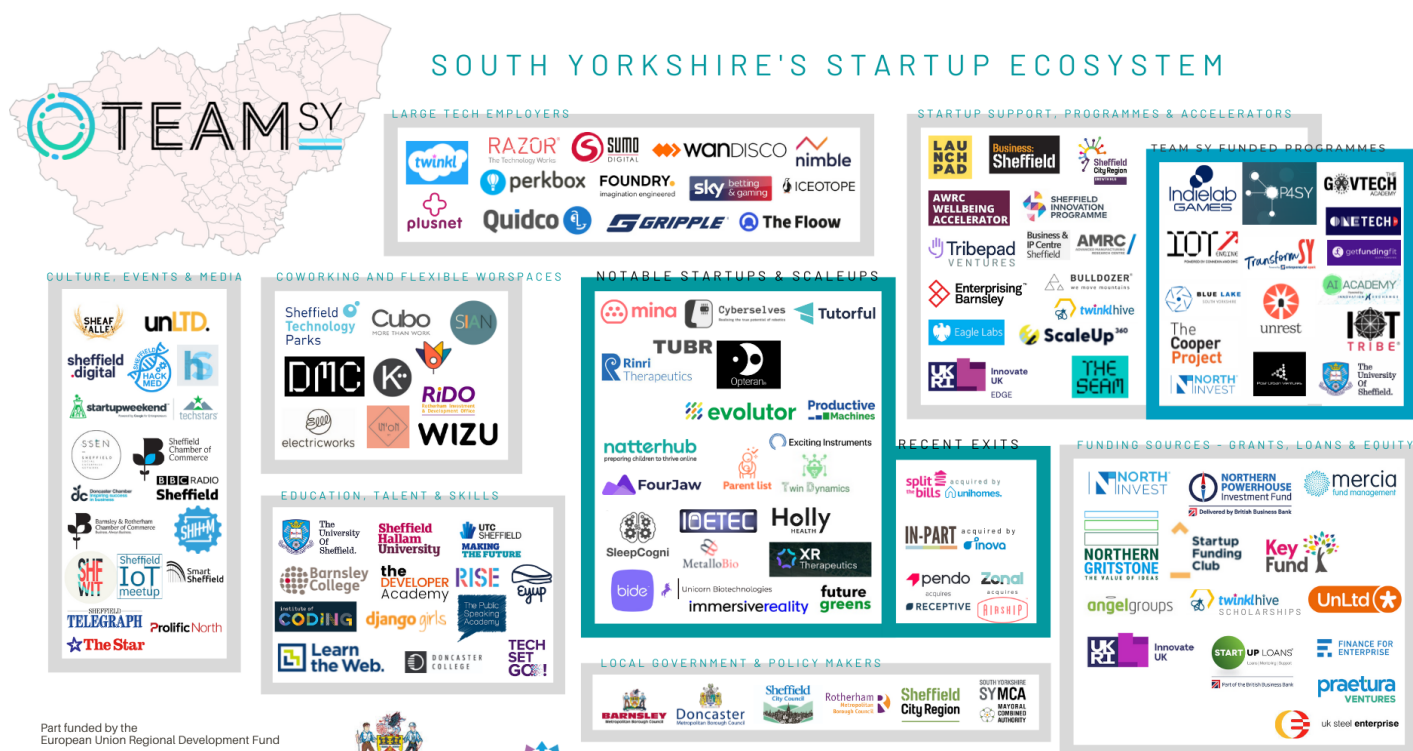
TEAM SY is a collaborative effort. It builds on the strong foundations of supporting tech entrepreneurship to scale up activity and ambition for the region.

It addresses the need for specialist startup support, signposting, network building, clustering expertise, and pipeline development.

We aim to create the conditions for a more sustainable, successful startup ecosystem, a catalyst from which we can build and continue supporting ambitious tech businesses.

In 2017 there was one accelerator programme in the region, and now there is an array.

The tech ecosystem – with its assets, sources of support and growth initiatives – is now taking root (see graphic below).



Part funded by the European Union Regional Development Fund



CAPITAL ENTERPRISE

WEARETEAMSY.ORG

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# South Yorkshire Tech Ecosystem Directory

To see where to go for what, we have also produced a summary of support sources for tech entrepreneurs. A full directory will follow. Organisations and projects highlighted are linked to or funded by TEAM SY.

Keep up-to-date on talks, workshops, meetups and events here

<https://weareteamsy.org/startup-ecosystem/south-yorkshire-startup-events/>

	Website	What they do
<b>Startup support programmes, incubators and accelerators</b>		
TEAM SY	<a href="https://weareteamsy.org">weareteamsy.org</a>	Drives SY tech startup ecosystem. Invests in service providers who support SY startups and investors.
AI Academy	<a href="https://weareteamsy.org/programmes/ai-academy">weareteamsy.org/programmes/ai-academy</a>	Supporting founders to incorporate AI into their businesses. No tech experience needed.
Blue Lake VC	<a href="https://bluelakevc.com/accelerator">bluelakevc.com/accelerator</a>	Accelerator for immigrant founders with B2B and software startups at pre-seed and seed-stage.
Bulldozer	<a href="https://bulldozer.co.uk">bulldozer.co.uk</a>	Venture partner, studio and investor. Partnering with academics, businesses, or entrepreneurs to create and take businesses from 0 - 1, or to accelerate growth.
Business and IP Centre Sheffield	<a href="https://sheffield.gov.uk/libraries-archives/business-intellectual-property-centre">sheffield.gov.uk/libraries-archives/business-intellectual-property-centre</a>	In Sheffield Central Library. Specialises in advice on protecting intellectual property.
Business Doncaster	<a href="https://businessdoncaster.co.uk/business-support">businessdoncaster.co.uk/business-support</a>	Business-facing arm of Sheffield City Council. Support for startups and established firms.
Business Sheffield	<a href="https://welcometosheffield.co.uk/business">welcometosheffield.co.uk/business</a>	Business-facing arm of Sheffield City Council. Support for startups and established firms.
DECARBONISE SY	<a href="https://iottribe.org/decarbonisesy-accelerator/">iottribe.org/decarbonisesy-accelerator/</a>	IoT accelerator for SY startups / scaleups with IoT products / services helping achieve net zero.
Eagle Labs at Kollider	<a href="https://enterprisingbarnsley.co.uk">enterprisingbarnsley.co.uk</a>	Incubator for founders, startups and scaleups. Supported by Barclays.
Enterprising Barnsley	<a href="https://powerstar.com">powerstar.com</a>	Award-winning support for businesses looking to start, grow, relocate or expand into Barnsley.
Entrepreneur Support at TUoS	<a href="https://weareteamsy.org/programmes/entrepreneur-support-at-tuos">weareteamsy.org/programmes/entrepreneur-support-at-tuos</a>	Support for staff and students at University of Sheffield starting up or spinning out companies.
Get Funding Fit	<a href="https://weareteamsy.org/programmes/get-funding-fit">weareteamsy.org/programmes/get-funding-fit</a>	Intensive funding readiness bootcamp for early-stage SY entrepreneurs with high-growth-potential startups. Focus on equity investment.
GovTech Academy	<a href="https://govtech.academy">govtech.academy</a>	Supports early-stage companies in GovTech and public sector innovation.
IndieLab SY Games Accelerator	<a href="https://weareteamsy.org/programmes/indielab">weareteamsy.org/programmes/indielab</a>	SY accelerator for games technology businesses and emerging talent.
IoT Engine	<a href="https://weareteamsy.org/programmes/iot-engine/">weareteamsy.org/programmes/iot-engine/</a>	Pre-accelerator for IoT ideas in SY. Validates business concept(s), helps build early products and generate sales.
IoT Tribe	<a href="https://iottribe.org">iottribe.org</a>	Accelerator group focusing on IoT. Presence in SY is via DECARBONISE SY accelerator.



	Website	What they do
Launchpad	<a href="http://scrgrowthhub.co.uk/launchpad">scrgrowthhub.co.uk/launchpad</a>	Free support for pre-start and very new businesses in the Sheffield City Region.
OneTech SY	<a href="http://bootstrap.weareonetech.org/onetechsy">bootstrap.weareonetech.org/onetechsy</a>	Bootstrap school for early-stage entrepreneurs from diverse and under-represented backgrounds in SY.
P4SY	<a href="http://weareteamsy.org/programmes/p4sy/">weareteamsy.org/programmes/p4sy/</a>	Accelerator delivered by P4, helping early-stage SY precision medicine companies to scale.
Post Urban Ventures	<a href="http://weareteamsy.org/programmes/posturbanventures">weareteamsy.org/programmes/posturbanventures</a>	AI and Deep Tech venture builder. For SY academics with ambition to turn their research into a viable tech product or business.
Rotherham Investment and Development Office (RiDO)	<a href="http://investrotherham.com">investrotherham.com</a>	Offering a comprehensive range of services to help new and existing businesses achieve their potential.
ScaleUp 360	<a href="http://scaleup360.co.uk">scaleup360.co.uk</a>	Tailored support to entrepreneurs, start-ups and trading businesses with the ambition and potential to scale up their activity.
Sheffield Innovation Programme	<a href="http://sip.ac.uk">sip.ac.uk</a>	Linking SMEs and the two universities. Academic expertise and university facilities for SMEs
South Yorkshire Growth Hub	<a href="http://scrgrowthhub.co.uk">scrgrowthhub.co.uk</a>	Providing direct support, advising, and signposting to the most appropriate support in the region based on business needs.
The AWRC Wellbeing Accelerator	<a href="http://shu.ac.uk/advanced-wellbeing-research-centre/accelerator">shu.ac.uk/advanced-wellbeing-research-centre/accelerator</a>	Accelerator based at Sheffield Hallam's AWRC for pre-revenue and early-stage companies in health and wellbeing.
The Cooper Project	<a href="http://shefftechparks.com/the-cooper-project">shefftechparks.com/the-cooper-project</a>	Incubator for SY early-stage start-ups in tech and digital
Transform SY	<a href="http://weareteamsy.org/programmes/transform-sy">weareteamsy.org/programmes/transform-sy</a>	SY accelerator from Entrepreneurial Spark. Focuses on entrepreneurial mindset and business.
Tribepad Ventures	<a href="http://tribepad.com/article/1-million-back-into-jobs-and-start-ups/">tribepad.com/article/1-million-back-into-jobs-and-start-ups/</a>	Support, coaching and seed capital for WorkTech ideas. Led by Sheffield scale-up Tribepad.
Twinkl Hive	<a href="http://twinkl.co.uk/hive">twinkl.co.uk/hive</a>	Accelerator supporting founders with a mission. Specialises in EdTech but other tech firms are eligible. Supported by Twinkl.
Unrest North	<a href="http://weareteamsy.org/programmes/unrest">weareteamsy.org/programmes/unrest</a>	Accelerator for SY social impact startups. For consumer-facing businesses launching an MVP within the last or upcoming six months.
Yorkshire Cyber Security Cluster (YCSC)	<a href="http://ycsc.org.uk">ycsc.org.uk</a>	Helps businesses and organisations across the region to collaborate and build a stronger standard of cyber security.
<b>Coworking hubs and flexible workspaces</b>		
BizSpace Doncaster	<a href="http://bizspace.co.uk/spaces/doncaster">bizspace.co.uk/spaces/doncaster</a>	Offices to rent in Doncaster, two spacious meeting rooms in addition to modern hotdesking and coworking options.
Cubo	<a href="http://cubowork.com">cubowork.com</a>	Coworking space and private offices in Sheffield.
DMC	<a href="http://barnsleydmc.co.uk">barnsleydmc.co.uk</a>	A home for digital and creative businesses to start and scale their company. Includes a MakerLab.
Electric Works	<a href="http://electric-works.net">electric-works.net</a>	Flexible office space, meeting rooms, conference and events space, and coworking in Sheffield.
Hallam iLab	<a href="http://shuenterprise.co.uk/the-hallam-ilab">shuenterprise.co.uk/the-hallam-ilab</a>	The Hallam i-Lab is a dynamic co-working business incubation space for students, graduates and external businesses.
Kollider	<a href="http://kollider.co">kollider.co</a>	Flexible space which is home to a community of ambitious founders growing diverse tech, digital and creative businesses.
RiDO	<a href="http://ridobusinesscentres.co.uk/about">ridobusinesscentres.co.uk/about</a>	Business Hubs run by Rotherham Investment & Development Office.

	Website	What they do
Sheffield Innovation Centre	<a href="http://ukse.co.uk/workspace/sheffield-innovation-centre">ukse.co.uk/workspace/sheffield-innovation-centre</a>	Office space located in the heart of the city and close to its universities.
Sheffield Technology Parks	<a href="http://shefftechparks.com">shefftechparks.com</a>	Office space, coworking and lab space in Sheffield city centre.
The Business Village	<a href="http://business-village.co.uk">business-village.co.uk</a>	Barnsley flexible managed work space and offices to rent together with business support.
The Sheffield Olympic Legacy Park	<a href="http://sheffieldolympiclegacypark.co.uk/space-innovation-centre">sheffieldolympiclegacypark.co.uk/space-innovation-centre</a>	A place to co-locate and collaborate with like-minded organisations.
Union Street	<a href="http://union-st.org">union-st.org</a>	Not-for-profit community hub where people can work, meet and eat in central Sheffield.
Wizu	<a href="http://wizuworkspace.com/eyre-street">wizuworkspace.com/eyre-street</a>	Coworking and serviced offices on flexible rents in Sheffield.
WorkfromHub	<a href="http://workfromhub.co.uk">workfromhub.co.uk</a>	A South Yorkshire startup building a network of bookable workspaces designed for busy people who work away from the office.

## Funding sources, grants, loans and equity with an interest in South Yorkshire

Angel Groups	<a href="http://angelgroups.co.uk">angelgroups.co.uk</a>	Matches angel investors with ambitious high-growth SMEs.
Finance for Enterprise	<a href="http://finance-for-enterprise.co.uk">finance-for-enterprise.co.uk</a>	Loan provider for startups and SMEs in South Yorkshire. Official delivery partner of the Startup Loans scheme across Yorkshire and Humber.
Finance Yorkshire	<a href="http://finance-yorkshire.com">finance-yorkshire.com</a>	Funding to grow for SMEs located in or planning to relocate to Yorkshire.
FundHerNorth	<a href="http://fundhernorth.com">fundhernorth.com</a>	A Northern-based, volunteer collective of women in VC's, funding organisations and angel groups.
Key Fund	<a href="http://thekeyfund.co.uk">thekeyfund.co.uk</a>	Funding for community and social enterprises.
Mercia Asset Management	<a href="http://mercia.co.uk">mercia.co.uk</a>	Funding for regional fast-growth SMEs.
North Invest	<a href="http://northinvest.co.uk">northinvest.co.uk</a>	Not-for-profit connecting tech and digital start-ups with mentors and investors in North.
NorthEdge	<a href="http://northedge.com">northedge.com</a>	Regional private equity firm headquartered in the North focussed on Technology, Healthcare, & Business Services.
Northern Gritstone	<a href="http://northern-gritstone.com">northern-gritstone.com</a>	Founded by Universities of Leeds, Manchester and Sheffield to fund academic spin-outs.
Northern Powerhouse Investment Fund	<a href="http://npif.co.uk">npif.co.uk</a>	Finance (£25,000 to £2m) for SMEs in the North.
Praetura Ventures	<a href="http://praeturaventures.com">praeturaventures.com</a>	Invests money and support in exceptional founders in the North.
South Yorkshire Angel Hub	<a href="http://weareteamsy.org/programmes/south-yorkshire-angel-hub">weareteamsy.org/programmes/south-yorkshire-angel-hub</a>	Growing the pool of investment and funding available to SY tech SMEs.
Startup Funding Club	<a href="http://sfccapital.com">sfccapital.com</a>	UK's most active early-stage investment firm. Investment funds and angel network.
Startup loans	<a href="http://startuploans.co.uk">startuploans.co.uk</a>	Borrow up to £25,000 at 6% pa.
Sure Valley Ventures	<a href="http://surevalleyventures.com">surevalleyventures.com</a>	Early stage investor helping new technology companies & software entrepreneurs grow and
UK Steel Enterprise	<a href="http://ukse.co.uk/investment">ukse.co.uk/investment</a>	Buys minority stakes in startups in steel and ex-steel communities.
UKRI	<a href="http://ukri.org">ukri.org</a>	Invests in with others to build a thriving, inclusive research and innovation system.
unLTD	<a href="http://unltd.org.uk">unltd.org.uk</a>	Finds, funds and supports promising social entrepreneurs.





TEAM SY (Technology Ecosystem Acceleration, and Market-Making South Yorkshire) is an initiative to boost the tech start-up and investment ecosystem in South Yorkshire. A £4.6m ERDF part-funded project delivered by Capital Enterprise with delivery partners Barnsley Council funded to run from October 2020 until June 2023. TEAM SY is focused on creating a sustainable, strong and competitive regional tech entrepreneurial ecosystem that can attract and sustain significantly more entrepreneurs to start and scale tech businesses in the region.

For more information, visit [weareteamsy.com](https://weareteamsy.com)

## Beauhurst

Beauhurst is a searchable database of the UK's high-growth companies.

Our platform is trusted by thousands of business professionals to help them find, research and monitor the most ambitious businesses in Britain. We collect data on every company that meets our unique criteria of high-growth; from equity-backed startups to accelerator attendees, academic spinouts and fast-growing scaleups.

Our data is also used by journalists and researchers who seek to understand the high-growth economy, and it powers studies by major organisations – including The British Business Bank, HM Treasury, and Innovate UK – to help them develop effective policy.

For more information and a free demonstration, visit [beauhurst.com](https://beauhurst.com)



TEAM SY is a project part-funded by the European Regional Development Fund and delivered by Capital Enterprise in partnership with Barnsley Council.